

International Study Tour on “Financing Energy Efficiency”

Tentative Agenda

In the frame of the InWEnt Programme
“Energy Efficiency in India”
on behalf of the Federal Ministry for Economic Cooperation and
Development

In cooperation with the Bureau of Energy Efficiency, India

Date of programme: 22 August – 31 August 2011

Location: Berlin, Frankfurt (Germany)

The study tour is implemented by adelphi

Background and aim of the study tour

Energy efficiency is essential for shifting country development paths toward lower-carbon economic growth. Especially in India, enormous potential for energy savings opportunities exist. A recent study of the World Resource Institute revealed that India could reduce its annual electricity usage by 183.5 billion kWh by investing US\$ 10 billion in energy efficiency improvements. However, although investments in energy efficiency promise attractive rates of return, existing energy efficiency mechanisms and activities are extremely small relative to the large potential for EE investments in India. Barriers towards more extensive investments in EE measures are particularly seen in capacity and knowledge deficits, such as lack of information in the relevant sectors, perceived overrated financial risk etc.

This programme in the frame of InWEnt Programme “Capacity Building on Energy Efficiency in India” aims to support India’s efforts to overcome barriers to and enhance financing energy efficiency. The programme enables the participants to identify the main obstacles for EE investments perceived from the various stakeholders in the field. By illustrating concrete requirements and expectations from policy makers, industry, banks, research institutes and energy contractors the participants learn about the factors that have to be met for an to improvement of the investment environment for EE. Best practice examples from different sectors (e.g. industry, buildings) in the field of energy efficiency and their financing mechanism will be showcased. Specific emphasis will be given to provide a diversified programme incorporating a variety of elements such as presentations, group discussion, site visits etc. The programme will enable the participants to reflect on the possibilities to transfer EE financing measures in their local contexts.

Day 1: Monday, 22.08.2011

Berlin Evening: Arrival and transfer to hotel

Day 2: Tuesday, 23.08.2011

Berlin Welcoming, introduction and overview of financing EE in Germany, Europe & India

- 09:00-10:30
- Welcoming and introduction training programme
 - Financing EE in Germany & Europe
 - Financing EE in Indian state government projects, schemes and ongoing activities

Adelphi

- 10:30-12:00
- Challenges and obstacles to financing EE
 - Risk Analysis of EE projects
 - Introduction to different financing models

Landesbank Berlin

Financing of EE research

- 13:30-15:00
- Importance of research funding in EE
 - Requirements for financing of EE
 - European and German research programmes
 - Current research streams in EE

Projekträger Jülich , Dr. Piotr Swiatek

Place: Novotel Berlin Mitte

Site Visit: Adlershof

- 16:00-17:00
- *Financing of project from Government as a joint initiative for the construction of universities*
 - *Passive building air conditioning*
 - *Energy efficient office building*
 - *Adiabatic cooling*
 - *Green facades experiences*
 - *Briefing on EnOB: Research for energy-optimised construction sponsored by Ministry of Economics and Technology (BMWi) & watergy*

Day 3: Wednesday, 24.08.2011

Berlin State programme-public funding of EE: National Level

- 10:00-11:30
- Energy contracting for federal government properties
 - Tax breaks, financial supports and subsidies in transportation, infrastructure and refurbishment of buildings
 - Investment in transport infrastructure: financial assistance programmes for improving energy efficiency in electric mobility, fuels and fuel efficient vehicles
 - Investment in building sector: Large housing estate refurbishment, energy efficient investment for municipalities (schools, childcare, gymnasium, social facilities)
 - Contracting of municipal street lighting projects

Federal Ministry of Transport, Building and Urban Development (BMVBS)

State programme-public funding of EE: National Level

- 14:00-15:30
- Overview of energy data and energy efficiency goals for Berlin
 - Energy Performance Contracting, framework and constraints
 - ESCO models: practical examples in EPC (CHP model city Berlin,

framework and best practices) - pitfalls and challenges

- Reducing risk of financing in EE
- Legal requirements on energy contracting
- Success story of Public Private Partnership
- *Berliner Energieagentur (Energy Agency Berlin - BEA)*

16:45 –
17:30

Site Visit: AxelSpringer Printing Company

Day 4: Thursday, 25.08.2011

Berlin Financing of EE street lighting

10:00-12:30

- Advantages of EE street lighting (energy and cost efficient)
 - Technical specifications of EE street lighting
 - Landscape of financing schemes for EE street lighting
 - Best practice examples: financing EE street lighting projects
Alliander Stadtlicht AG
-

The private sector's role in financing EE

14:00-17:30

- Financing of EE from the private sectors viewpoint
- The private sector's role in financing EE
- Involvement of private sector in EE legislation
- Best practice examples from members

DENEFF "German Industry Initiative for Energy Efficiency"

Place: Novotel Berlin Mitte

Day 5: Friday, 26.08.2011

Berlin Energy performance contracting & Legal management

09:00-10:30

- Legal Focus on Energy Contracting in Germany (national framework)
- Legal Energy Contracting Vision
- What is important to various conditions and what is to be respected?

Becker Büttner Held (BBH) Lawyer Consultant

Scaling up financing EE : Partnerships, awareness raising and qualification

- 11:00-13:00
- Contribution towards the implementation of energy efficiency investments in business entities
 - Financing programmes for EE
 - Awareness raising activities: promotion of EE
 - Qualification programmes for EE
- DIHK , Sabine Zinzgraf and Alexandra Böhne*

15:00-17:30 *Site Visit: Vattenfall Heizkraftwerk
Reuter West Combined Heat and Power Station*

Day 6: Saturday, 27.08.2011
Berlin Berlin City Tour / Cultural Activities

Day 7: Sunday, 28.08.2011
Frankfurt Free time, transfer to Frankfurt by train

Day 8: Monday, 29.08.2011
Frankfurt National credit lines for financing EE

10:00-10:45

Programmes for residential buildings

- Energy-Efficient Rehabilitation
- Energy-Efficient Construction
- How to design effective credit line for EE

KfW Privatkundenbank (private customers) - Dr. Rudolf Hennes

10:45-11:00 Coffee break

11:00-12:00

ERP Energy Efficiency Programme

- General environment protection measures
- EE measures in SMEs
- Acquisition of low-emission heavy commercial vehicles

KfW Mittelstandsbank (small and medium sized businesses) - Dr. Rudolf Hennes

12:00 – *Site Visit: KfW-Ostarkade & KfW-Hauptaus (Green Building Frankfurt Award)*

12:45 IPEX building – Andreas Sturm (TRANSLATION NEEDED)

11:45 –
14:00 Lunch break

German Financial Cooperation on EE

KfW Development Bank Activities to Promote EE

- 14:00-15:00
- Energy Efficiency Promotion in Developing and Transition Countries: Overview on KfW's Programmes
 - Promotion of Energy Efficiency in Indian Small and Medium Enterprises
 - Promotion of Energy Efficiency in Indian Residential Buildings

KfW Entwicklungsbank – Silke Hermes-Christian Calov

Carbon Financing

- 16:00-17:30
- Programmatic CDM
 - Incorporating CDM benefits in financing structure of EE projects
 - Future of CDM

First Climate

Day 9: Tuesday, 30.06.2011

Frankfurt Public funding of EE: state level

- 9:30 - 11:00
- Financing & Non-financing incentives for EE in Hessen
 - EE programmes on state level
 - Different requirements for state and national level EE financing

Hessen Agentur / Hessian Ministry for Environment, Rural Development and Consumer Protection

Feedback and evaluation round

- 11:00-13:00
- Feedback/Output monitoring

Adelphi

Free Afternoon, optional sightseeing programme

Day 10: Wednesday, 31.06.201

Transfer to India