



Excellence Enhancement Centre

for Indian Power Sector

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**The Deutsche Gesellschaft
für Internationale
Zusammenarbeit (GIZ) GmbH**

Purpose of the organisation

GIZ's purpose is to promote international cooperation for sustainable development and international education work.

As a 100% federally owned, public-benefit enterprise, we support the German Government in achieving its objectives in the field of international cooperation for sustainable development.



GIZ worldwide

- GIZ operates in more than 130 countries worldwide.
- GIZ employs more than 17,000 staff members across the globe – some 70% of whom are employed locally as national personnel

In addition there are around:

- 1,110 development workers
- 700 integrated and 455 returning experts
- 820 *weltwärts* volunteers



GIZ in India

- **60 years** of successful Indo-German (Development) Cooperation
- Environment, sustainable development, health, SME development, energy
- 2003: Indo-German Energy (IGEN) Programme, with the intention to support the development of the Indian power sector with **technical expertise, policy recommendation and access to technology.**





Excellence Enhancement Centre

for Indian Power Sector



Excellence Enhancement Centre

for Indian Power Sector

(An Initiative of *the Indo-German Energy Cooperation*)

EEC initiated by the

Indo-German Energy Forum

to facilitate performance improvement

especially with respect to efficiency and reliability by

promoting the deployment of **most advanced solutions**

regarding technology, processes and personal skills.





EEC – Involved organisations



Ministry of Power (**MoP**)



Central Electricity Authority (**CEA**)



Bureau of Energy Efficiency (**BEE**)



National Thermal Power Corporation (**NTPC**)



Federal Ministry of Economics and Technology (**BMWi**)



Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (**BMU**)



Gesellschaft fuer Internationale Zusammenarbeit (**GIZ**)



Vereinigung der Grosskesselbesitzer (**VGB PowerTech**)



EEC – Aims & Objectives

Establishment of a **society** for the Indian power sector, in order to promote **energy efficiency** in thermal power generation, **reduce** emission of **greenhouse gases** and **provide reliable power supply.**

- To provide a **solid network** for interaction with industry as a focal point of contact for the whole power sector
- To share **best national and international practices** and provide broad based expertise.
- To introduce **most advanced technologies** to the Indian power sector
- To identify common challenges and **develop common solutions** and joint action plans
- To raise awareness for the need of **excellence, clean environment and climate change.**



EEC – Structure & Membership

Governing Body

President – Chairperson, CEA (Mr.A.S. Bakshi)

Vice President - Member (Planning), (Mr. A.S. Bakshi)

Member Secretary – Chief Engineer (C&E), (Ms. Neerja Mathur)

Treasurer – Secretary , CBIP (Mr. V.K. Kanjlia)

Members

Director General , BEE (Dr. Ajay Mathur)

Director Technical, NTPC Ltd ,(Mr. D.K. Jain)

Dr. J.T. Verghese, Managing Director STEAG

Dr. Franz Bauer, Managing Director VGB

Mr. Jens Burgtorf, Director – IGEN GIZ

Secretariat

Managing Director
(Mr. A.K. Gupta)

GIZ Advisor
(Mr. Wojtek Nieszporek)

Assistant
(Mr. Jagjit Singh Dua)

Office support
(Mr. Munish Ganti)

Membership

- Utilities, power generation companies
- Equipment suppliers
- Government Institutions
- Consulting companies
- Financing institutions
- Associations
- Transmission and distribution companies
- Non-Gov. institutions
- Research institutions
- Training institutions
- Individuals



EEC – Membership fees

| | |
|---|------------------|
| (a) CPSU (All Generating, Transmission & Distribution Companies) (b) State Utilities (All Generating, Transmission & Distribution Companies) (c) Independent Power Producers (IPPs) (d) Private sector Generating, Transmission & Distribution companies (e) Captive Power Plants (f) Equipment Manufacturers (g) Industry Associations (h) Financial Institutions | Rs 1 lakh |
| North Eastern State Utilities including Sikkim (All Generating Transmission & Distribution Companies) | Rs 10,000 |
| Training, Academic and Research Institutions | Rs 10,000 |
| Individual Membership (subject to approval) | Rs 1,000 |



EEC – activities

Activities

- Participation in VGB congress 2012 in Mannheim
- EEC staff trained by VGB in Essen
- EEC workshops in New Delhi, Kolkata and Bangalore
- Membership drive in (50 German companies + 50 Indian companies approached)

Projects (under preparation)

- Technical working group (TWG) “Compendium of best practices in Power Plants”
- TWG “Best practices in water usage”
- TWG “Condenser Performance Monitoring”
- Preparation of two technical guide lines



EEC – upcoming projects and activities

Future projects

- TWG “Low Rank Imported Coal”
- TWG “Performance Improvement of 200/210 MW LMZ Machines”
- TWG “Combustion Optimisation”
- TWG “Feasibility of Super Critical Units in India”

Other activities

- Training/workshop in India with lectures from VGB, KWS, EON, DURAG, ABB
- Various regional workshops



EEC – Contact

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