Excellence in Power

Excellence Enhancement Centre

for Indian Power Sector



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.







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GIZ worldwide

- GIZ operates in more than 130 countries worldwide.
- GIZ employs more than17,000 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









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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.



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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)



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 Techinical, 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)

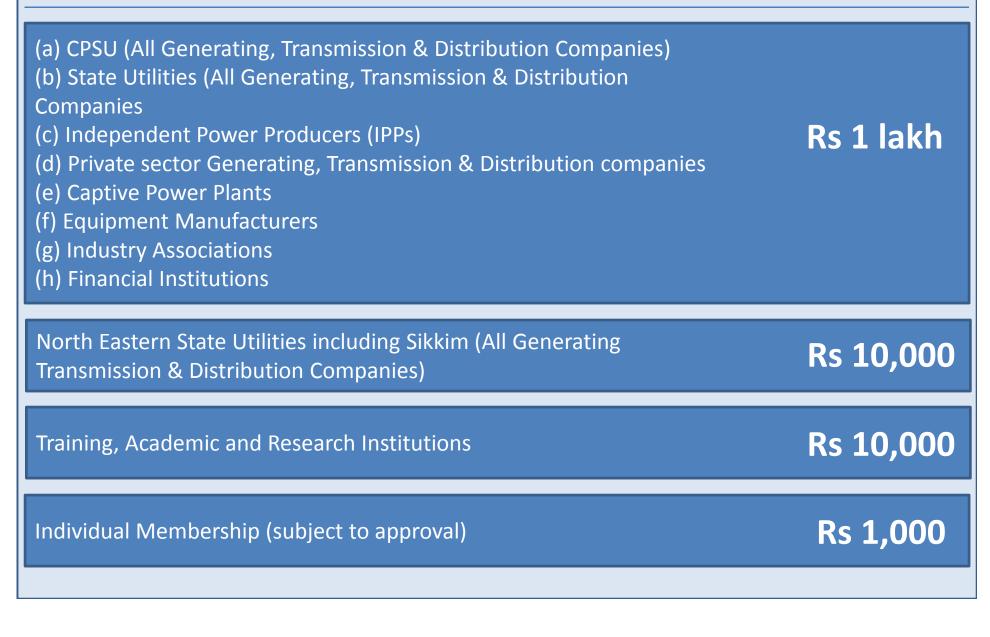
Membership

- 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





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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