Excellence Enhancement Centre
for Indian Power Sector
The Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH
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
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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.
<table>
<thead>
<tr>
<th>EEC – Involved organisations</th>
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<tbody>
<tr>
<td><strong>Ministry of Power (MoP)</strong></td>
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<tr>
<td><strong>Central Electricity Authority (CEA)</strong></td>
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<td><strong>Bureau of Energy Efficiency (BEE)</strong></td>
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<td><strong>National Thermal Power Corporation (NTPC)</strong></td>
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<td><strong>Federal Ministry of Economics and Technology (BMWi)</strong></td>
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<td><strong>Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)</strong></td>
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<td><strong>Gesellschaft fuer Internationale Zusammenarbeit (GIZ)</strong></td>
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<td><strong>Vereinigung der Grosskesselbesitzer (VGB PowerTech)</strong></td>
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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
<table>
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<tr>
<th>Category</th>
<th>Membership Fee</th>
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<tr>
<td>(a) CPSU (All Generating, Transmission &amp; Distribution Companies)</td>
<td>Rs 1 lakh</td>
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<td>(b) State Utilities (All Generating, Transmission &amp; Distribution Companies)</td>
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<td>(c) Independent Power Producers (IPPs)</td>
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<td>(d) Private sector Generating, Transmission &amp; Distribution companies</td>
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<td>(e) Captive Power Plants</td>
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<td>(f) Equipment Manufacturers</td>
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<td>(g) Industry Associations</td>
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<td>(h) Financial Institutions</td>
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<tr>
<td>North Eastern State Utilities including Sikkim (All Generating Transmission &amp; Distribution Companies)</td>
<td>Rs 10,000</td>
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<tr>
<td>Training, Academic and Research Institutions</td>
<td>Rs 10,000</td>
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<tr>
<td>Individual Membership (subject to approval)</td>
<td>Rs 1,000</td>
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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
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
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www.eecpowerindia.com