

# EXCELLENCE ENHANCEMENT CENTRE FOR INDIAN POWER SECTOR

(AN INITIATIVE OF THE INDO-GERMAN ENERGY COOPERATION)

## From the desk of President, EEC

I feel privileged to be communicating with you through this first edition of newsletter published by Excellence Enhancement centre (EEC) for Indian power sector.

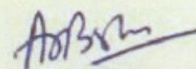
As you know, EEC has been established to provide a common platform for Indian power sector personnel to share best practices which will assist in improving the efficiency and reliability of the Indian power sector.

The installed capacity of the country has already crossed the 200,000 MW mark, but it is of paramount importance that we adopt the latest and the best operational and maintenance practices followed worldwide.

I would also like to inform you that we have planned many meaningful programmes in the near future which will help in making Indian power sector more efficient, reliable, secure and environment friendly.

EEC is a non profit and member driven society, I therefore, appeal to all of you to support and contribute towards achieving our common goal by becoming a member of EEC.

With best wishes.....



**A. S. Bakshi**  
Chairperson, CEA

## Inauguration

Shri K.C. Venugopal, Hon'ble Minister of State for Power inaugurated the Excellence Enhancement Centre for Indian Power Sector on 2nd February, 2012 at New Delhi. Shri P. Uma Shankar, Secretary (Power), and Shri A.S. Bakshi, Chairperson, CEA, His Excellency Cord Meier-Klodt, acting Ambassador to Germany, Mr. Jens Burgdorf, Director, GLZ were also present at the inaugural function. Over 150 senior officials from various Ministries, Public Sectors Undertakings, Private Sector and their representatives attended the event.

The speakers emphasized the importance of a common platform for the stakeholders in the Indian power sector in order to improve reliability & efficiency of power sector. The EEC as an institution with nationwide reach shall tackle common problems such coal quality, renovation & modernization, efficient use of fuel, training of personnel and access to foreign technical know how.



Inaugural ceremony on 2nd February 2012

An umbrella agreement has been signed between Indian & German Governments wherein the German Government has committed funding & technical support for the EEC.

VGB, one of the biggest and most successful associations in the European power sector would provide technical and organizational expertise through their vast network of international actors in the field of power generation.



## Membership & Network

EEC is open to all stakeholders in the Indian and international power sector. Different companies and organizations are being considered under several categories to ensure a balanced membership pattern. Member companies, e.g. generation utilities, transmission and distribution companies, equipment manufacturers, associations and financial institutions shall contribute their knowledge and experience in improving the power sector in India. The efforts are to be complemented by training institutions, academic and research institutions, as well as individual consultants.

EEC also provides the necessary platform to share external know-how where ever it is needed. EEC aims to be the focal point for all interactions among power experts through conferences, technical expert meetings, regional workshops, an interactive EEC website, newsletters, publications, guidelines, etc. International expertise plays an important role in the effort to introduce latest technology, efficient process management and modern training methods to Indian utilities. The support of EEC's international members and VGB would enable the access to the European power market and its know-how.



## Services for the benefit of EEC members:

- » Identification of issues in the power sector, e.g. feedback from the industry
- » Preparation of guidelines and manuals, e.g. best practices, etc.
- » Solutions for technical challenges
- » Access to international best practices and experiences
- » Access to organizations such as VGB, Germany
- » Annual congress, technical workshops, expert meetings
- » Publications, newsletters, reports of events in the power sector
- » Opportunity to interact with EEC members
- » Joint pilot projects



# Indian Power Sector at the Crossroads

by Shri D.K. Jain, Member, EEC Governing Body

The primary and dependable source of energy in the Indian sub-continent is coal. The global concerns of climate change have also forced us to seriously think of ways and means of reducing the carbon footprint of the Indian power sector. There is an urgent need to identify, promote and practice operational strategies that would result in maximization of operational efficiencies in all spheres of the power industry.

*Herein is an opportunity and a challenge that can be addressed by an organization like the VGB in Germany, or the NERC in the USA or our newly formed Excellence Enhancement Centre for the Indian power sector (EEC). The intention of establishing EEC is to carry forward this spirit of cooperation by addressing areas specific to the power industry and resulting in sustainable development of the power sector in tune with the needs of the future in terms of better environmental and waste management.*



Shri D.K. Jain,  
Former Director (T), NTPC Ltd.

EEC which is being structured as a nonprofit member driven organization with initial startup funding from GIZ will go a long way to bring together various experts from the Indian and German power sector on to a common platform for knowledge sharing on best practices and adapting such best practices to the Indian context and subsequently help in deploying these practices and monitoring their progress across the Indian power sector.

CEA and NTPC will be playing a pivotal role in the initial days. As regards the role of NTPC, I envisage that NTPC experts shall be a part of each of the study groups and task groups initiated by EEC and shall actively participate in all projects of the EEC.

In order to establish its credibility, EEC will also need active participation from the power generating companies both in the Government as well as private sector, the power distribution and transmission utilities as well as companies in the field of manufacturing of components and sub-systems for the Indian power sector.

I look forward to the creation of task groups to identify areas of improvement in some of the existing power plants and suggest ways and means to achieve the desired performance and efficiency levels at these stations.

I am sure that by adapting the best practices wherever possible, improving the operational efficiencies wherever applicable and following the path of renovation and modernization to recover lost capacity or reduced efficiency and wherever possible to further increase the capacity and efficiency by upgradation and uprating of the units, the overall carbon footprint of the Indian power industry can not only be contained but in fact can be reduced.

Further, EEC can also play a very active role in evolving O&M best practices for Indian super critical power plants, with a view to maximizing generation availability and efficiency thereby ensuring reduction GHG emissions.

In my opinion the concept of EEC is a timely intervention and very relevant for the Indian power sector. I hope and wish that through EEC we shall be able to engage the different constituents of the Indian power sector to draw on the European experiences and best practices and apply them to the Indian context to improve the overall efficiency of the Indian power sector.

*I look forward to the day when the Indian power industry will look upon the EEC with the same amount of respect and reverence as the German power industry has for the VGB.*

## How can one become a member of EEC?

If you decide to become a member of the EEC network, please contact us at [contact@eecpowerindia.com](mailto:contact@eecpowerindia.com). We will provide you the membership application form. Please return the filled in form, we will get back to you with all further details.

EEC membership is presently divided in four categories. These categories consider the nature of the various organisations in the Indian power market.

**Category 1:** CPSUs, IPPs, companies, CPPs, equipment manufacturers, associations, financial institutions – Rs 1 lakh\*

**Category 2:** North Eastern State Utilities – Rs 10,000\*

**Category 3:** Training institutions, Research Institutions, Academia – Rs 10,000\*

**Category 4:** Individual membership (upon approval of the Governing Body, conditions apply) – Rs 1,000\*

\* Annual membership



## Long-term partner of the Indo-German co-operation – VGB (European technical association for power and heat generation)

VGB has supported the vision of an expert platform in the power sector since it was born. Under the Indo-German Energy Forum, VGB was part of the core group that developed the concept. Thus VGB supports GIZ with its experiences to bring the EEC into lively operation. A Memorandum of Understanding between VGB and CEA was signed in 2010 for the successful Indo-German co-operation in the EEC-project.



Amarjeet Singh (CEA) and Dr. Franz Bauer (VGB) presented the EEC-concept at the inauguration on 2 February 2012.

### What is VGB?

VGB PowerTech e.V. is the European technical association for power and heat generation. The association is based on a voluntary membership of companies active in the field of power and heat generation. Currently 466 companies (operators, manufacturers and other power-related institutions) from 33 countries are members of VGB. They represent an installed capacity of 520,000 MW. The objective of VGB is to promote and optimize the operational safety and environmental compatibility as well as the availability and economy of existing and new built power plants. These plants comprise the complete energy conversion chain:

thermal, renewable and nuclear power generation. Almost 100 people work in the VGB-association which is located in Essen (Germany).

*More information is available at: [www.vgb.org](http://www.vgb.org).*

### How does VGB support the EEC?

VGB acts as the point of contact to access the German power generation industry and provides detailed information about facts and figures of the energy supply in Germany. This also comprises the co-ordination of the exchange of experiences from the German side.

The efforts of the EEC to set up technical guidelines for the Indian power sector will be supported by providing nearly 100 VGB guidelines which reflect the state of the art processes and procedures that are applied in Germany and Europe. The initiation and support of joint projects and events will also be another aspect of the VGB's contribution.

And last but not least: the EEC secretariat will have training sessions in the VGB offices in Essen (Germany) and therefore get familiar with the daily operation of the German partner.



VGB Power Training Institute, Germany

### Contact EEC

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