



SEMINAR on Meeting New Environment Norms for Thermal Power Generation - A Challenge

Date : 22nd April 2016

Venue : GULMOHAR Hall, India Habitat Centre, Lodhi Road, New Delhi

Excellence Enhancement Centre for Indian Power Sector (EEC)

Excellence Enhancement Centre (EEC) for Indian Power Sector was conceptualized as a part of bilateral cooperation between Govt. of India and Govt. of Federal Republic of Germany and was set up through an Implementation Agreement between BEE & CEA, Ministry of Power, GOI and GIZ, Germany under the Indo German Energy Programme (Phase II), to promote dialogue in the area of Energy Efficiency and Energy Security. It was registered as a non-profit society under the Indian Societies Registration Act 1860 and started functioning from February 2012.

Aims and Objectives of EEC

- To provide a platform for the top Experts in Power Sector.
- To share best practices.
- To identify challenges.
- To create a "Technical Discussion Forum".
- To promote Peer to Peer cooperation between Indian Power Sector Stakeholders.
- To promote policy initiatives of MOP, GOI
- To raise awareness for the need of excellence in Power Sector.

EEC Members



The Excellence Enhancement Centre is organizing a Seminar on “Meeting New Environment Norms for Thermal Power Generation – A Challenge”

The Thermal Power Generation process is becoming more complex owing to the need of addressing Climate Change issues and mitigating stricter Emission Norms, the last of which have been notified by the Government of India in December, 2015.

The various measures available to make the process of thermal power generation cleaner & greener also bring along with it various new challenges for the power plant stakeholders. In addition, the measures to be adopted to make the process cleaner will ultimately enhance the cost of generation. At the same time tremendous pressure is on the generator to make the electricity affordable to all and to also remain competitive in the market.

Therefore, it is a daunting task for both new & old power plants to meet the emerging challenges for better environment and at the same time to reduce cost of generation.

In this new emerging scenario, there is a bigger responsibility to be shared by all those involved in the power plant design & engineering, operation & maintenance, renovation & modernization, erection & commissioning, environment management, commercial management, technology provider, product and solution providers, policy maker, regulators and others. These professionals have to work with new set of different challenges and constraints which are known or lesser known at this stage.

The technical solutions available and best suited to the individual power plant have to be implemented with the most efficient use of available resources in terms of space, land, water, coal, lime, time schedule, capital etc.

It is in this back drop that the seminar on “Meeting New Environment Norms for Thermal Power Generation – A Challenge” has been chosen to address the various issues and challenges present before the industry. The various industry experts drawn from generators, manufacturers, consultant & others will disseminate their knowledge and experiences.

The knowledge sharing by experts and deliberations will provide a specialized platform for mutual interaction, knowledge sharing among the delegates, author's, paper presenters and others.

The seminar is structured to cover the various aspects related to the following key topics relevant to thermal power plants under the Environment (Protection) Amendment Rule, 2015 notified on 7th December, 2015 by Ministry of Environment, Forest & Climate.

The programme will be divided in three sessions and it is planned to tentatively cover the following aspects of the emission standard.

Session - I : Control of Sulphur Dioxide, Oxides of Nitrogen and Mercury

- Technology & Technical Challenges, suitability under Indian conditions.
Manufacturers / suppliers annual capacity
Implementation Schedule
- Space Requirement for equipment
Transportation, availability & Storage of Lime Stone/ Ammonia.
By Products
- Cost Implication
O&M Cost/Capex/Opex
Tariff & Financing

EEC Members



Session - II : Control of Particulate Matter

- Technology & Technical Challenges, Retrofitting these technologies under Indian conditions.
Manufacturers / suppliers annual capacity
- O&M Experience of utilities
Capital Investment and effect on Tariff
Implementation schedule

Session - III : Water Consumption

- Technologies and Technical challenges in retrofitting
- Designer's/Manufacturers perspectives on retrofitting of cooling tower
Manufacturers / suppliers annual capacity
Space Requirement - Challenges & constraints
- Operational constrains (Additional usage of water, Power, deterioration in heat rate etc.)
Financing, Impact on Tariff

Methodology

The programme will be delivered through presentations by various experts from the power sectors, interactive discussions and case studies.

Faculty

Eminent faculties from organisations like CEA, NTPC, STEAG, Tata Power, TSGENCO, MAHAGENCO, GSECL, Jindal Power and Manufacturers like BHEL, L&T, MHPS, Doosan, GE-Alstom etc., will share their experience in meeting the latest environment norms. We have also invited experts from VGB, Germany to share their experience in this regards.

Who Should Attend?

The Program is designed for Senior & Middle level personnel, all those involved in the power plant design & engineering, operation & maintenance, renovation & modernization, erection & commissioning, environment management, commercial management, technology provider, product and solution providers, policy makers, regulators and others.

Venue: GULMOHAR Hall, India Habitat Centre, Lodhi Road, New Delhi-110003

Date: 22nd April, 2016

Duration: 1 Day

Seminar Fee: Rs. 7000/- + Applicable Service Tax per participant.

* Seminar Fee to be paid by cheques /Demand Draft drawn in favour of "Excellence Enhancement Centre for Indian Power Sector" payable at New Delhi.

* EEC Member Organisations – Two Delegates Free and subsequent delegates 25% discount.

Registration

Details of participants may be sent at least three weeks in advance of commencement of the programme, in the attached registration form along with the requisite program fee to the EEC Office address.

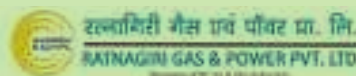
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SIEMENS



**Jammu & Kashmir State Power
Development Corporation Limited**

ACB (INDIA) LIMITED



DURAG GROUP

REGISTRATION FORM

Seminar on Meeting New Environment Norms for Thermal Power Generation – A Challenge

22nd April, 2016

(To be filled in block letters preferably)

Delegate : _____
(Surname) (First Name)

Designation : _____

Name of Organization : _____

Mailing Address : _____

Phone : _____ Fax _____

Email : _____

Dated : _____ Signature _____

Delegate Fees as well as registration form duly filled-in is to be mailed to:

Excellence Enhancement Centre for Indian Power Sector (www.eecpowerindia.com)

West Block - 2, Wing 5, First Floor

Sector 1, R. K. Puram

New Delhi - 110 066, India

Tel/Fax: 011-26164297

Mobile : 09718516555

E-mail: ceoeecips@gmail.com; mdeecips@gmail.com; contact@eecpowerindia.com

Note:

- * Photocopies of the registration form can be used for additional requirements, if any.
- * Spot registration facilities will also be available, provided the prior information is received