Webinar on

“Introduction and Minimum Load Operation of Thermal Power Stations”

August 12, 2024

From 15:00 Hours to 17:00 Hours

ABOUT EEC

Excellence Enhancement Centre (EEC) for Indian Power Sector was conceptualized as 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. Indo German Energy Forum (Support Office) support EEC to exchange knowledge, in Energy transition, skill building, training and Energy efficiency enhancement in fossil fuel-based power plants. Vgbe Power Tech e.V. is the European technical association for power and heat generation. Vgbe supports GIZ with technical experience to bring the EEC into a lively platform for the Indian Power Sector and acts as the point of contact for EEC to access the German power generation industry and provides detailed information about the energy supply in Germany, which also comprises the coordination of the exchange of experiences from the German side. EEC was registered as a non-profit society under the Indian Societies Registration Act 1860 and started functioning from February 2012.

AIMS & OBJECTIVES OF EEC

- To promote Peer to Peer cooperation between Indian Power Sector Stakeholders.
- To provide a platform for the top Experts in Power Sector
- To share best practices in all areas of power sector and provide broad based expertise.
- To identify challenges for power sector.
- To create a “Technical Discussion Forum”
- To promote policy initiatives of MOP, GOI
- To facilitate bilateral cooperation in the Indian Power Sector.
- To engage pro-actively with foreign organizations such as VGB Germany, for Technical knowhow, Expertise, Consultancy, Studies and Reviews.
- To raise awareness for the need of excellence in Power Sector.

WEBINAR SERIES ON FLEXIBILIZATION OF THERMAL POWER PLANTS

Numerous studies have shown that automation and controls (A&C) are a key lever to Flexible Coal-Fired Power Plants. One of them is the study “Guidelines for Flexible Operation of Coal Fired Power Plants in India” which summarises the results of several flexibility investigations and test runs at NTPC’s Dadri, and Simhadri power plant, at Maithon power plant operated by Tata Power and at DVC’ Andal power plant. These projects were conducted under the auspices of the Indo-German Energy Partnership.

To provide specific support in the implementation of flexibilization measures, the Deutsche Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ), the Indian Excellence Enhancement Center For Indian Power Sector (EEC) and the vgbe, IGEF (SO) organize various events aiming at an exchange of experiences and best practices.

For a deep-dive into the role of automation and controls, these organizations have teamed up with Siemens to arrange a series of four webinars session on the topic. Here is an overview of the thematic priorities of these webinars.

DATE, TIME & VENUE OF THE FIRST SESSION

The webinar will be held on August 12, 2024 from 15:00 hours to 17:00 hours through Microsoft Teams platform.

TOPICS TO BE COVERED

- Overview of four webinars
- Technical solutions to reduce minimum load and increase ramp rates incl. impact on life time
- Specific aspects of minimum load in Benson-type boilers
- Practical experiences

PRESENTER

Dr. Bernhard Meerbeck, Siemens Energy

Bernhard brings along over 25 years of experience in the field of Controls & Instrumentation, Advanced Process Control, Artificial Intelligence and power plant technology. His focus has been the use of controls and various digital twins to increase efficiency and flexibility and lower emissions of power plants, especially they were not designed for flexible operation. Additionally, he has developed techno-commercial models to evaluate plant optimization measures. Since starting with Siemens/Siemens Energy in 2000, Bernhard has worked in different roles in engineering, commissioning, sales and product/solution management for global business. He holds several patents, has presented on various national and international conferences and heads the committee “Digitalization of energy systems” of the VDI (German association of engineers).

Dr. Claudia Weise, Vgbe energy e.V.

Dr. Claudia Weise works as a Project Director of International Affairs at vgbe energy e.V., the international technical association for energy plant operators based in Germany. She is responsible for international projects ranging from technical consultancy to bilateral energy co-operation projects. For more than ten years she has been collaborating with Indian partners especially under the auspices of the Indo-German Energy Forum. In 1999 Claudia started her professional career at Siemens as a project engineer in the field of modernization of coal-fired power plants. Since then, she has been working in the energy sector. Claudia holds a diploma and a doctorate in process engineering.

Mr. Ian Rebello, Siemens Energy

Ian Rebello provides technical Sales support fo Process Optimization and Flexibilization of Power plants in India. He also supports the Asia Pacific office in business development for Process Optimization of Power plants in the region.

Ian has worked in the house of Siemens for more than 29 years in various roles viz. engineering, installation commissioning Sales & service management of Siemens Automation solutions for Power plants. He had been a part of the Sales & Execution team for CCPP plants at the headquarters in Erlangen, Germany for 3 years.

Ian has been part of the team that conducted the flexibility test runs at Andal and Maithon power plants.

Mr. Denis Tschetschik, Siemens Energy

Denis Tschetschik is an expert in boiler technology and the water-steam cycle in thermal power plants. He also manages the test operation for steam turbines and assesses, for example, their service life in flexible operation. He began his career as a commissioning engineer. Denis has been working for Siemens since 2007 and has been involved in projects to upgrade coal, gas and steam power plants worldwide.

Denis has been part of the team conducted the flexibility test runs at Dadri, Andal and Maithon power plant.

REGISTRATION FEE

The registration fee payable by the participant for participation in this webinar is as follows:

- No participation fee for the participants from organizations who are members of EEC.
- Rs 60,000/- (Rupees Sixty Thousand Only) plus GST per organization from organizations who are not member of EEC.

PAYMENT & CORRESPONDENCE

Payments for the webinar can be paid through RTGS in favour of " Excellence Enhancement Centre For Indian Power Sector, Account Holder Name: Excellence Enhancement Centre For Indian Power Sector, Bank Name : Canara Bank , Address: Diplomatic Enclave, 5, Nyaya Marg, Youth Hostel Bld, Chanakyapuri, New Delhi 110021, Account No: 0157101027808, Branch & Code : Diplomatic Enclave & 000157, IFSC Code: CNRB0000157 , MICR Code : 110015007, PAN No AAAAE4790J and GSTIN No : 07AAAAE4790J1ZK

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