

International Seminar on “Energy Storage Options for Renewable Energy Integration”

Preamble

Recognizing the need for “knowledge and International experience sharing” amongst stake holders in Power Sector, STEAG Energy Services (India) Pvt. Ltd., a wholly owned subsidiary of STEAG Energy Services GmbH, Germany organizes a seminar every year on a contemporary topic. For the last nine years the annual seminars have been organized in association with CEA, BEE, GIZ, NTPC Ltd., TERI, etc.

The topics for previous nine annual seminars were:

1. Energy Efficiency
2. Renewable Energy
3. Supercritical Technology
4. Coal as dominant fuel for Power Plants – Issues and Challenges
5. Combustion Optimization of Blended Coal
6. Impact of Generation from Renewable Sources on Conventional Power Generation & Grid
7. Implementation of PAT Scheme in Thermal Power Stations – Issues and Challenges
8. Planning and Management of Energy in Smart Cities
9. Environmental Compliances in Thermal Power Plants - Issues and Challenges.

The first six seminars were inaugurated by the then Member Energy, Planning Commission and the seventh seminar was inaugurated by Dr. R. Chidambaram, Principal Scientific Adviser to the Government of India. Last two seminars were inaugurated by Chairman, CERC. Secretary, Ministry of Power, Secretary, MNRE, Chairperson CEA, Chairman and Member, Central Electricity Regulatory Commission (CERC), have made addresses in the past seminars. Speakers from Germany, Japan, USA, China and India have made presentations.

At present, Indian Power Sector is witnessing rapid scale-up in Renewable Energy (RE) due to its environmental benefits, ability to meet growing energy needs, economic and social benefits of distributed generation and likely cost parity with fossil fuel power in the near term. Out of total all India installed capacity of about 329 GW, RES contributes nearly 60 GW. The Ministry of New and Renewable Energy (MNRE) has set an aggressive renewable energy capacity target of 175 GW by 2022. However, the variable nature of renewable energy sources makes it difficult to control generation to match the demand and integration of large-scale variable renewable energy into the grid presents challenges which can, if not addressed, lead to its instability. One of the key strategies for addressing the issue of variability of renewable energy technologies is the use of efficient energy storage technologies. Accordingly, as part of STEAG’s contribution to Indian Power Sector through knowledge sharing, the 10th Annual International seminar is being organized on **“Energy Storage Options for Renewable Energy Integration” on 29th January, 2018** at India Habitat Centre, Lodhi Road, New Delhi. Draft seminar brochure – version 0 is uploaded.