Engineering Staff College of India

Autonomous Organ of The Institution of Engineers (India)

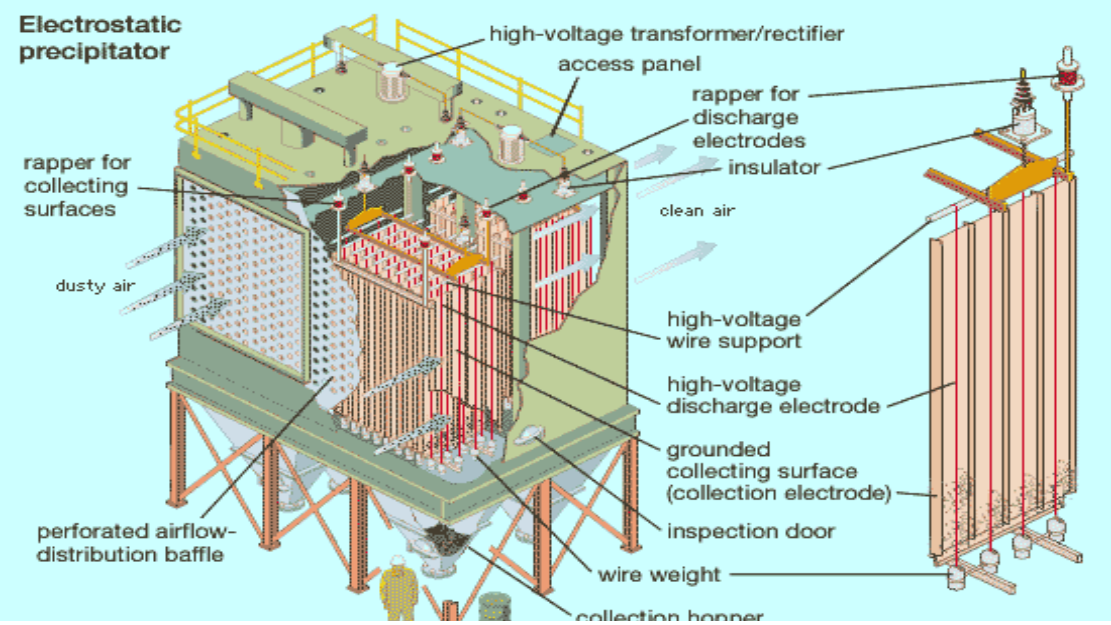
Old Bombay Road, Gachi Bowli, Hyderabad – 500 032. T.S., India

POWER & ENERGY DIVISION

Continuing Professional Development Programme on

Best Practices in O&M of ESPs & Performance Improvement

19 - 21 December, 2017



(An ISO 9001:2008 Certified, AICTE & CEA Recognized Institution)

Centre for Promotion of Professional Execellence

INTRODUCTION

Electrostatic Precipitators of thermal power plants play a vital role in the O&M of power and cement plants. Due to the carbon based fuels, thermal plants are responsible for a large fraction of CO_2 emissions, which is a concern regarding global warming. Emissions and dust may be reduced through more efficient and latest technology by the best O&M practices of ESP's in thermal power plants.

The high rate of failure of ESP's in power plants especially in state utilities is a great concern, as they cause enormous loss both in terms of money, pollution problems and reputation. The maintenance practices followed is the need of the hour. It becomes necessary to get maximum production out of the existing capacity and the need to better management of existing equipment. This can be achieved by the best energy efficient practices of O&M and Improvement Skills on Performance of ESPs.

ESCI has, therefore, thought it fit to conduct a 3 day programme on Best practices and Energy Efficiency in Operation & Maintenance in ESP's with a view to provide a forum for exchange of information and sharing of experience & expertise among engineers involved in design, manufacturing, installation, O&M of power plant equipment. Such interaction should pave the way for speedy introduction of best practices in O&M of ESP's and enhance availability and free from pollution, conservation of energy and reduction of the cost of generation.

OBJECTIVE

- To enhance reliability & availability of power plant.
- To conserve energy and efficient operation of ESP's
- To reduce the emissions & operate power plant in a better way

COURSE COVERAGE

- Selection of Pollution Equipment
- Statutory & Pollution Norms
- Types, Design & Construction Functions and Features
- Mechanical, Electrical, Mechanisms, Drives and Controls
- Safety, Commissioning, Maintenance & Operational Aspects
- Efficiency and Performance of ESPs and Factors Affecting the Performance
- Optimisation, Performance Improvement
- Trouble Shooting
- Retrofits
- Best Practices and Energy Efficiency
- Case Studies

METHODOLOGY

The programme will be conducted in an interactive environment providing greater scope for discussions. Emphasis will be on a highly participative style of learning. The classrooms are provided with latest audio – visual teaching aids. The ambience in the campus and classrooms facilitate in effective learning by participants.

FACULTY

Apart from Core Internal Faculty, Consulting Firms, Government Organisations, Academic and Research Institutions etc. will share the sessions.

TARGET PARTICIPANTS
Engineers working in Planning and Design Wings of Generation Divisions of Power Utilities; Engineers & Officials working in Power Projects and Reforms & Restructuring Units of Power Utilities; IPPs; CPPs Government Departments; Power & Energy Consulting Companies; Academic & Research Organizations, etc.

PROGRAMME VENUE, DATES & TIMINGS
Engineering Staff College of India (ESCI) Campus, Old Bombay Road, Gachi Bowli, Hyderabad - 500032, TS, India.

DATES
19 - 21 December, 2017

TIMINGS
On the first day registration will commence at 0900 Hrs. On all other days the programme timings will be from 0945 to 1715 hrs with breaks in between for tea and lunch.

COURSE DIRECTOR
A Chandra Mohana Rao
Head I/c & Sr. Faculty - Power & Energy Division, ESCI

COURSE FEE
Residential Fee is Rs.15,000/- (Residential) per participant. Fee includes Course Material, Course Kit, and Twin-sharing / Single AC accommodation as per availability, Breakfast, Lunch, Dinner, Tea / Coffee and Snacks.

DISCOUNTS
Non-Residential Fee: 10% discount on course fee is allowed for non-residential participants.

Group Discount: 10% discount for three or more participants if sponsored by the same organization.
(All discounts are applicable only if fee is received at ESCI a week before the commencement of the programme)

GST @18% (as applicable) is to be paid extra over and above the training fee. ESCI's **Provisional ID No. 36AAATT3439Q1ZV, PAN Card No. AAATT3439Q.**

The course fee is to be paid in favour of **"IE (I) – ENGINEERING STAFF COLLEGE OF INDIA"** in the form of demand draft payable at Hyderabad.

Alternatively the payment may be made by **Electronic Fund Transfer (EFT) to ESCI – SB A/c No. 10007111201** with The SBI, PBB Rajbhavan Road Branch, Khairatabad, Hyderabad – 500 004 by **NEFT / RTGS / IFSC Code No: SBIN 0004159 – MICR No: 500002075.** While using EFT method of payment, please ensure to communicate us your company name, ESCI invoice reference and programme title.

Online registration is available on ESCI website. To register, manually please send your nominations giving details of name, designation, contact address, email

address, mobile number, telephone and fax number of the participant along with the details of mode of payment of fee, addressed to:

Head, Power & Energy Division
Engineering Staff College of India
Gachi Bowli, Hyderabad – 500 032, Telangana
Phone: 040 – 6630 4170 to 4177; 040-6630 4100, Fax: 040 – 23000336, 66304103
Email:pe.esci@gmail.com / pe@escihyd.org; Website: www.escihyd.org

CERTIFICATE: A certificate of participation will be awarded to each participant on conclusion of the programme.

GENERAL INSTRUCTIONS

- ESCI encourages participants to present case studies from their respective organizations.
- For the convenience of the outstation participants ESCI will facilitate pickup and drop from Airport / Railway Station / Bus Stations, if travel plans are received at least 3 days in advance along with mobile number by fax or email. The charges shall be paid by the participants directly to the cab driver.
- ESCI provides complimentary accommodation to participants a day prior to the commencement and after the conclusion of the programme. (Check in at 12:00 hrs a day prior to the commencement & check out at 12:00 hrs a day after completion of the programme)
- Overstay charges of @ Rs.990/- per day / per head including hospitality (Bed Tea / Coffee to Dinner) will be charged.
- Well developed Information Centre and Internet facilities are available to the participants free of cost.