



Engineering Staff College of India

Autonomous Organ of The Institution of Engineers (India)

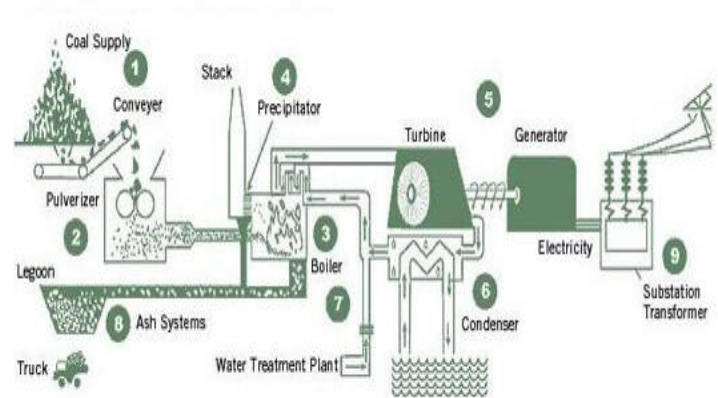
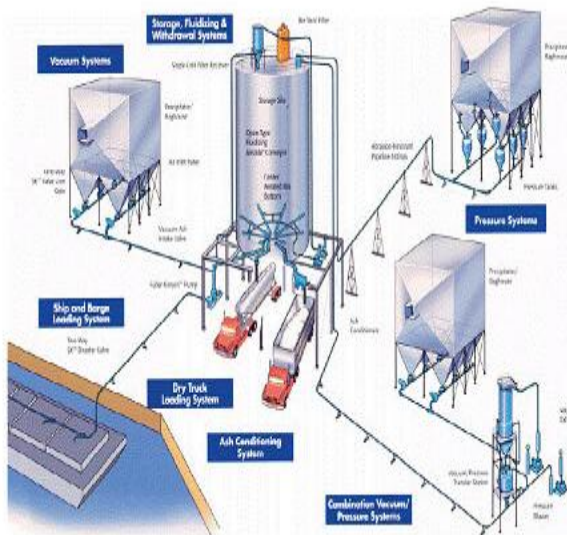
Old Bombay Road, Gachi Bowli, Hyderabad – 500 032. TS, India



POWER & ENERGY DIVISION

Continuing Professional Development Programme on Best Practices of O&M of Coal Handling and Ash Handling and disposal in Thermal Power Plants

16-18 July, 2019



(An ISO 9001:2015 Certified, AICTE & CEA Recognized Institution)

Centre for Promotion of Professional Excellence

INTRODUCTION

Thermal Power Plants contribute a great deal of about 60-65% of total electricity generation in India, which forms the backbone of economy and quality of life. Coal continues to stay as a major player in power generation, and hence a very large quantity of coal is required to be handled not only at coal mines and also at generation stations. Coal handling at thermal power plant begins at coal yard where coal is received from coal supplier. Coal handling which forms the life line for continuous and smooth operation of power plant, includes stacking of coal, conveying coal from coal yard to crushers and pulverizers through conveyors, pulverizing of coal, and feeding of coal powder into the boiler. Any stoppage in coal movement within power plant will adversely affect the power plant operation. Most of the constraints leading to low PLF in coal based thermal power plants, are due to either non-availability of coal or problems in coal handling & pulverizing systems.

Indian coal contains large proportion of ash content (35 - 50%) which constitutes one of major pollutants emitted by thermal power plants. Ash handling is another critical activity in power plant operations which, if not done properly, creates hell of lot of problems in the plant including pollution of environment, and also affects plant operations. Continuous disposal of ash from the power plant is very crucial for ensuring continuous operation of power plant. Part of ash is disposed in the form of slurry in to ash pond while major portion of fly-ash is required to be transported for other uses. This program takes the participants through various problems faced and best practices to be followed in coal handling and ash handling areas including ash disposal methods in thermal power plants.

OBJECTIVE

The objective of this program is to sensitize the participants with issues and challenges faced and the best practices to be followed in coal handling and ash handling units of thermal power plants.

COURSE COVERAGE

- Factors to be considered for sizing of Coal and Ash Plants
- Coal sampling and analysis
- Coal handling equipments - Bucket wheel stacker/Reclaimer
Crushers and Vibrating screens, Belt Conveyors, Magnetic Separators,
- Online coal analyzers
- Fly-ash systems – ESPs
- Bottom ash systems – slurry disposal systems
- Technological upgradation by providing protection systems and PLCs
- Environmental Pollution control systems
- Improvements and modifications including condition monitoring systems
- 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, Reputed Manufacturing Organisations, Government, Academic and Research Institutions etc. will share the sessions.

TARGET PARTICIPANTS

Middle and senior level executives / managers associated with Power Generation namely All State Electricity Generation Boards/Corporations, NTPC, CEA, Adani Power, WBPDC, Tata Power, GETRI, HWPM, Captive Power Plants, Torrent Power, CLP etc.

PROGRAMME VENUE, DATES & TIMINGS

VENUE : Engineering Staff College of India (ESCI) Campus, Old Bombay Road, Gachi Bowli, Hyderabad - 500032, Telangana, India.

DATES

16-18 July, 2019

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 & Sr. Faculty - Power & Energy Division, ESCI

COURSE ADVISOR

B Prahlad

Former Dy. Chief Executive, Nuclear Fuel Complex, DAE

ACCOMMODATION

A.C. Accommodation will be provided to the participants located within ESCI Campus. The accommodation will be on twin sharing basis / single, based on available.

COURSE FEE

Residential Fee is Rs.15,000/- per participant. Fee includes Course Material, Course Kit, Accommodation, 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. 33705165550** with The SBI, Manikonda Branch, Gachi Bowli, Hyderabad – 500 032 by **NEFT / RTGS / IFSC Code No: SBIN0011076 – MICR No: 500002107.** While using EFT method of payment, please ensure to communicate us your company name, ESCI invoice reference and programme title. hod 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 (**10 days** prior to date of commencement of the programme) 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

Phone: 040 – 6630 4171/4173; or 4170 - 4177, 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.