

Engineering Staff College of India

Autonomous Organ of The Institution of Engineers (India) Old Bombay Road, Gachi Bowli, Hyderabad – 500 032. Telangana, India



Centre for Climate Change Division

Continuing Professional Development Programme on Industrial Decarbonization in India

19 – 20 March 2024

Interactive Sessions | Digital Learning | Assessments | 24/7 Experts Online/Offline Support

Introduction

The Industrial Decarbonisation supports development of low-carbon technologies and infrastructure, and contributing to the clean growth. It will reduce the carbon emissions from energy intensive industries, such as iron and steel, cement, refining and chemicals. Decarbonisation can be achieved by improving the energy efficiency, changing the fuel mix (moving to renewables or nuclear), carbon capture and storage or modifying the process. The Industrial Decarbonization are home to large and growing industrial sectors with huge energy efficiency potential and the willingness to embrace the massive growth of the renewable energy market. In the recently COP26 at Glasgow our Prime Minister announced a target for the Indian economy to move to Net Zero by 2070.Decarbonisation of Industry is a challenge and an opportunity for engineers and managers. ESCI has planned a Three day training programme to provide professionals with the tools and techniques needed for this challenge.

Objectives

This course will provide basics of energy auditing, benchmarking, pinch and process integration, cogeneration as well as the state of the art of Carbon capture, utilisation and storage.

Course Coverage

- Overview Climate change problem, Energy and carbon footprint of industry, Options for decarbonisation
- Need for industrial sector to accelerate low carbon growth for India to meet 2030 target
 - o Carbon capture, utilization and storage
 - Understanding sector specific measures to reduce Green House gases (GHG) emission including energy efficient technologies
 - International and domestic climate finance for cleaner technologies in industries
 - o Concepts of Cogeneration
- Case Studies examples and Efficiency projects
- Discussion Towards Zero Carbon Industry.

Methodology

Methodology of the programme includes classroom Sessions with Lectures/discussions, with audio visual aid; bench - marked video shows, Chalk & Talk sessions, group discussions, case studies, debates, sharing of experiences, etc. All the sessions will be interactive, demanding active participation from all the participants.

(An ISO 9001:2015 Certified, AICTE & CEA Recognized Institution) Centre for Promotion of Professional Excellence

Target Participants

- Working professionals, consultants and decision makers from government and nongovernment institutions
- Working professionals from large scale industrial sectors
- Academicians and Researchers working in the field of Sustainability and GHG reduction in industries.

Programme Dates, Code & Timings

Dates: 19 – 20 March 2024, Code: 8061 & Timings: 10 AM Onwards.

Course Director

Ms. Anita Aggarwal

Faculty & Head I/c., Environment & Climate Change Division, Engineering Staff College of India, Old Bombay Road, Gachi Bowli, Hyderabad 500 032 Phone: Direct 040 6630 4120, 4122 / Fax: 040-66304163 Email: <u>em@escihyd.org</u>

Faculty/Speaker Details

Apart from the core internal faculty, Experienced Professionals/Faculties/Sector experts will be delivering the lively lecture with practical knowledge & case study.

Course Fee

- Residential Fee Rs. 11,000/- (Rupees Eleven Thousand only) per participant (Residential). Fee includes course material, course kit, twin-sharing/single AC accommodation as per availability, breakfast, lunch, dinner, tea / coffee and snacks during the actual days of training programme. ESCI provides complimentary accommodation and boarding to the participants one day before commencement (Check-in 1200 h) and one day after conclusion (Check-out 1200 h) of the programme duration. Overstay charges will be applicable as per ESCI rules (subject to availability of accommodation).
- > Non-Residential Fee: 10% discount on course fee is allowed for non-residential participants
- Group Incentive: 10% discount for five or more participants, if sponsored by the same Organization

GST @18% is to be paid extra over and above the training fee. **PAN Card No.** AAATT3439Q. **GST No: 36AAATT3439Q1ZV, HS No.: 999293** (under commercial training or coaching services – clause 65(105) (ZZC) of Finance act – 1994).

Programme fee is to be paid in in favour of "THE INSTITUTION OF ENGINEERS (INDIA)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-500004 by NEFT/ RTGS. IFSC Code No. SBIN 0004159 – MICR No.500002075. PAN Card No AAATT3439Q; GSTIN No. 36AAATT3439Q1ZV. While using EFT method of payment, please ensure to communicate us your company name, Contact details, our invoice reference and programme title. Kindly provide your organization GSTIN No. along with your nominations.

Registration

Online registration shall be available on ESCI web portal : www.escihyd.org;

To register manually please send your nominations giving details of name, designation, organization name, contact address, email address, mobile no, telephone and fax number of the participant along with the details of mode of payment of fee, addressed to: **Course Director**

A Certificate of participation will be awarded to each participant on conclusion of the programme.

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