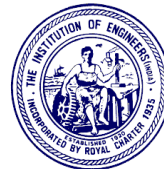




Engineering Staff College of India

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 Circular economy - Conservation of natural resources in construction and O&M 24 – 26 January 2024

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

Introduction

Worldwide there is a growing recognition of the circular economy development approach as one of the key drivers towards achieving the 2030 Agenda for Sustainable Development Goals (SDGs). Circular economic development model calls for a transformation pathway towards natural resources utilization with minimization of waste and enhanced job opportunities in both consumption and production processes through 3R policies and measures.

Due to rapid urbanization, India's construction sector is likely to become the world's third largest by the middle of the next decade and has led to the exploitation of top soil. It is estimated that only 5% of C&D waste is recovered in India (Ref: NITI AAYOG on Resource efficiency and Circular Economy-Current Status and Way Forward). The existing practice in India is to dispose of this waste in landfills or illegally dump in rivers and water bodies affecting the land and water resources. While disposal of C&D Waste (CDW) is a challenge, there is an acute shortage of naturally available aggregates, limestone and other construction materials like sand and soil. There is a lack of awareness among the related stakeholders on the CDW Management and its regulations. From various studies on issues & challenges towards CDMW, we understand the need of capacity building on CDWM and Circular economy. With this, the construction industry can become truly 'circular' and resource efficient. Improving the practices of construction activities, adopting the use of recycled C&D wastes, preventing indiscriminate dumping and landfilling are just some of the steps the industry to transform itself into a sustainable and cleaner industry.

Objectives

The objective of this training is to build capacities of the related stakeholders and municipal functionaries in a stepwise approach to develop structure and implement Construction & Demolition Waste Management (CDWM) leading to Circular Economy. This will be useful to various stakeholders involved in the management and implementation of CDWM in cities and towns. In addition, participants will learn about key information and benefits for businesses intended in recycling of CDW. After the training, participants will have well-founded knowledge of the tools and be able to implement first or upcoming local actions on CDWM and creating environment friendly city/town.

Course Coverage

- Overview — Construction & Demolition Waste (CDW) and its relevance to climate Change & Green House gas Emissions
- Highlights of CDW Management (CDWM) Rules, 2016
 - CDWM - Latest Technologies, Operation & Maintenance
 - Main steps to CDWM
 - CDW processing facilities - Processing and Utilization Sustainable CDWM
 - Best Practices on CDWM
 - Procedures for Sustainable CDWM
 - Extended Producer Responsibility
- Resource efficiency & Circular Economy principles in CDW recycling
- Recycle and Reuse options of CDW in modern construction
- Cases studies, Group discussions and Field visits.

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

Centre for Promotion of Professional Excellence

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.

Target Participants

- Working professionals, consultants and decision makers from government and non-government 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: 24 – 26 January 2024, **Code:** 8059 & **Timings:** 10 AM Onwards

Course Director

Ms. Anita Aggarwal

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Engineering Staff College of India,
Old Bombay Road, Gachi Bowli, Hyderabad 500 032
Phone: Direct 040 6630 4120, 4122 / Fax: 040-66304163
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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

- **Course Fee** – Rs. 16,000/- (Rupees Sixteen 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.

Centre for Climate Change, Engineering Staff College of India

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