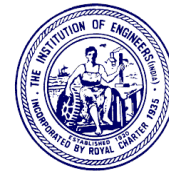




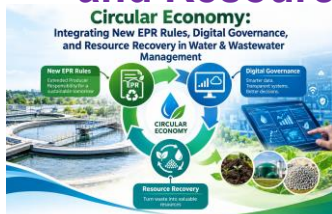
Engineering Staff College of India

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



Environment Management Division

Continuing Professional Development Programme on Circular Economy: Integrating New EPR Rules, Digital Governance, and Resource Recovery in Water & Wastewater Management



19-22 January 2027

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

Introduction

Globally, the circular economy is increasingly recognized as a key development approach for achieving the 2030 Agenda for the Sustainable Development Goals (SDGs). The circular economy model promotes a transformative pathway for efficient utilization of natural resources by minimizing waste generation, enhancing resource recovery, and creating employment opportunities across production and consumption systems through the application of the 3R principles—Reduce, Reuse, and Recycle.

Rapid urbanization in India has led to significant challenges in waste and wastewater management. Current practices largely involve disposal of waste in landfills or illegal dumping into rivers and water bodies, resulting in serious degradation of land and water resources. While waste disposal remains a major challenge, the country also faces an acute shortage of naturally available resources. In addition, limited awareness among stakeholders regarding waste management practices and regulatory frameworks further exacerbates the problem.

Various studies highlighting issues and challenges in waste management underline the urgent need for capacity building in waste management and circular economy approaches. Through effective implementation of circular economy principles, waste-generating sectors such as plastics, electronic waste, tyres, batteries, and wastewater treatment systems can become more resource-efficient and environmentally sustainable. Improved waste segregation, adoption of recycling and recovery technologies, prevention of indiscriminate dumping, and reduction of landfilling are essential steps toward transforming industries and urban systems into cleaner and more sustainable models.

Objectives

The primary objective of this training programme is to build the capacity of key stakeholders, including municipal functionaries, in a structured and stepwise manner to plan, implement, and strengthen waste and wastewater management systems aligned with circular economy principles.

Course Coverage

- Overview of Waste and Wastewater Management in India and applicable Rules (2016 and amendments):
- *Plastic Waste, E-waste, Waste Tyres, Waste Batteries – significance and implementation*
- Circular Economy: concepts, goals, indicators, resources, and value streams
- Plastic Waste Management: collection, processing, disposal technologies, and sustainable solutions
- Sustainable E-waste Management: composition, collection systems, Extended Producer Responsibility (EPR)
- Waste Tyres and Waste Batteries: regulatory framework, sustainability aspects, and recycling technologies
- Wastewater Management in Circular Economy: reuse, resource recovery, and treated water applications
- Case 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 organizations; professionals from large-scale industries, MSMEs, and start-ups involved in waste, wastewater, recycling, and circular economy solutions; municipal officials, urban planners, engineers, and regulators associated with waste and wastewater management; academicians, researchers, and students working in sustainability, resource efficiency, and GHG reduction; as well as NGOs, service providers, and technology developers engaged in environmental management and urban sustainability initiatives.

Programme Dates, Code & Timings

Dates: 19-22 January 2027 (Prog. Code:6124) & Timings: 10 AM Onwards.

Course Director

Ms. Anita Aggarwal

Faculty & Head I/c.

Environment Management Division

Engineering Staff College of India

Old Bombay Road, Gachi Bowli, Hyderabad 500 032.

Phone: Direct 040 6630 4120, 4122 / Fax: 040-66304163

Email: em@escihyd.org

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 (Residential): – Rs. 24,000/-*** (Rupees Twenty Four Thousand only) per participant. 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 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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