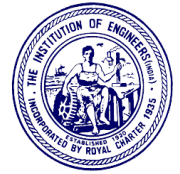




Engineering Staff College of India

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

Plastic Waste Management: End-to-End Processes, Recycling Technologies and Circular Economy (2016 Rules – Amended)



02-03 December 2026

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

Introduction

Plastic has become an integral part of modern life due to its versatility and wide range of applications. However, increasing plastic consumption, particularly in packaging and single-use applications, has resulted in growing quantities of plastic waste and associated environmental challenges.

Improperly managed plastic waste can contribute to littering, blockage of drainage systems, pollution of land and water bodies, impacts on terrestrial and aquatic ecosystems, and microplastic pollution. Effective plastic waste management therefore requires an **end-to-end approach**, covering reduction, segregation, collection, transportation, sorting, recycling, resource recovery and environmentally sound management of residual waste.

In India, the **Plastic Waste Management Rules, 2016 and subsequent amendments** provide the regulatory framework for plastic waste management, including provisions relating to waste generators, Urban Local Bodies, Producers, Importers, Brand Owners, recyclers and other stakeholders. The framework also provides for **Extended Producer Responsibility (EPR) for plastic packaging**.

This two-day programme provides a practical overview of the **plastic waste management value chain, regulatory framework, EPR, collection and processing systems, recycling technologies, resource recovery and circular economy approaches**. The programme will also cover Indian case studies and practical challenges in implementing sustainable plastic waste management systems.

Objectives

The programme aims to build participants' understanding of **plastic waste management, applicable regulations, EPR and recycling technologies**. It will provide practical knowledge on developing efficient end-to-end plastic waste management systems and promote **resource recovery and circular economy approaches** for sustainable plastic waste management.

Course Coverage

- Introduction to Plastics and Plastic Waste Management
- Plastic Waste Management Rules, 2016 and Subsequent Amendments
- Extended Producer Responsibility (EPR) for Plastic Packaging
- Plastic Waste Segregation, Collection and Transportation
- Material Recovery Facilities (MRFs) and Plastic Waste Processing
- Plastic Recycling Technologies and Resource Recovery
- Plastic Waste in Road Construction – Opportunities and Challenges
- Environmental Impacts of Plastic Pollution and Microplastics
- Circular Economy and Sustainable Plastic Value Chains
- Indian Case Studies and Good Practices
- Practical Exercise / Group Discussion / Field Visit, subject to availability

(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

Commissioners, Town Planning Officers, Medical Health Officers, Municipal and public health engineers from Municipal Corporations, Municipal Administrative Departments, PHEDs, Town Planning Departments, Urban Local Bodies (ULBs), Development Authorities, Industrial Townships, Housing Boards, Officers, Managers and Scientists from Pollution Control boards, Research Institutions and Non Govt Organizations, Technology Developers, Energy Consultants and Private Organizations dedicatedly involved in Waste Management etc.

Programme Dates, Prog. Code & Timings

Dates: 02-03 December 2026, (**Prog. Code:6121**) & **Timings:** 10:00 AM onwards at ESCI Campus, Gachibowli, Hyderabad.

Course Director

Ms. Anita Aggarwal

Faculty & Head. Environment Management Division,
Engineering Staff College of India,
ESCI Road, Gachibowli, Hyderabad 500 032
Phone: Direct 040 6630 4120, 4122 Fax: 040-66304163
Mob: 8374362306, 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. 12,000/-*** (Rupees Twelve 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 and above the training fee as training. **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 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 and TAN No along with your nominations.**

Registration

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

To register please send your nominations giving details of name, designation, 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.** (or) Contact us at : Mr. GNM. Rao (Prog. Manager) – 9866431555.

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

Environment Management, Engineering Staff College of India

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Email: em@escihyd.org, web portal: www.escihyd.org