



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

E-Waste Management - Issues, Collection and Disposal Mechanism- Challenges & Opportunities

18 – 20 August 2026

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

Introduction

Electronic waste (E-waste) is one of the fastest-growing waste streams globally, driven by rapid technological advancement, increasing digitalization, shorter product life cycles, and rising consumption of electrical and electronic equipment. According to the United Nations Global E-Waste Monitor 2024, the world generated a record 62 million tonnes of E-waste in 2022, and this volume is projected to reach 82 million tonnes by 2030. Alarmingly, only 22.3% of global E-waste is formally collected and recycled, resulting in significant environmental risks and loss of valuable resources.

India is the world's third-largest generator of E-waste after China and the United States. As per the latest CPCB data, India generated approximately 13.98 lakh tonnes of E-waste during FY 2024-25. While the formal collection and recycling rate has improved to 70.71%, nearly 4 lakh tonnes of E-waste still remain outside the formal management system, posing challenges related to collection, traceability, recycling, resource recovery, and environmental protection.

To address these challenges, the Government of India has introduced the E-Waste (Management) Rules, 2022, which establish a robust Extended Producer Responsibility (EPR) framework, digital compliance mechanisms, recycling targets, and online monitoring systems. The transition towards a circular economy, urban mining, resource recovery, and environmentally sound management of E-waste presents significant opportunities for industry, regulators, entrepreneurs, and sustainability professionals.

Recognizing this need, ESCI has designed a comprehensive three-day training programme on “E-Waste Management – Issues, Collection and Disposal Mechanism: Challenges & Opportunities” to provide participants with practical insights into regulatory compliance, collection systems, recycling technologies, disposal mechanisms, EPR implementation, and emerging opportunities in the E-waste sector.

Ref: Global E-Waste Monitor 2024 (UNITAR & ITU), CPCB / Ministry of Environment, Forest and Climate Change, Government of India – E-Waste Statistics FY 2024-25, E-Waste (Management) Rules, 2022 and subsequent amendments/notifications

Objectives

The programme aims to provide participants with a comprehensive understanding of E-waste management practices, regulatory requirements, collection and disposal mechanisms, recycling technologies, and Extended Producer Responsibility (EPR) obligations. It will also highlight the key challenges, emerging opportunities, best practices, and circular economy approaches for achieving environmentally sound and sustainable E-waste management.

Course Coverage

- Overview of E-Waste: Generation trends, environmental and health impacts
- E-Waste (Management) Rules, 2022 and latest amendments/notifications
- Extended Producer Responsibility (EPR): Targets, compliance and EPR certificate mechanism
- CPCB EPR Portal, digital tracking and reporting requirements
- E-Waste collection, reverse logistics and disposal mechanisms
- Dismantling, recycling and resource recovery technologies
- Role of producers, recyclers, refurbishers, regulators and informal sector
- Circular Economy and Urban Mining opportunities

- Setting up and operation of E-Waste collection, dismantling and recycling facilities
- Challenges and opportunities in sustainable E-Waste management
- Best practices, case studies and group discussions
- Site Visit to an authorized E-Waste collection, dismantling and/or recycling facility

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

Senior Managers and Corporate Executives, Environmental, Sustainability and ESG Professionals, Engineers, Scientists and Researchers, Urban Local Body (ULB) Officials, Pollution Control Board Officers, Government Departments and Regulatory Authorities, E-waste Recyclers and Dismantlers, Producers, Manufacturers and Brand Owners, EPR Compliance Professionals, Waste Management Companies, Consultants and Project Developers, NGOs and Development Organizations, Start-ups and Entrepreneurs in Circular Economy and Recycling, Academicians and Training Professionals, Personnel involved in collection, transportation, storage and processing of E-waste, and representatives from public and private sector organizations dealing with environmental management and resource recovery.

Programme Dates, Code & Timings

Dates: 18 – 20 August 2026 (EM 6080) & Timings: 10:00 AM onwards.

Course Director

Ms. Anita Aggarwal

Faculty & Head, Environment Management Division,
Engineering Staff College of India, Gachi Bowli, Hyderabad.
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 and working Professionals/Faculties/Sector experts will be delivering the lively lecture with practical knowledge & case study.

Course Fee

- **Residential Fee – Rs. 18,000/-** (Rupees Eighteen 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 one Course fee for five or more participants, if sponsored by the same Organization.

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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) (ZCC) 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, 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

Gachi Bowli, Hyderabad – Telangana 500 032

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