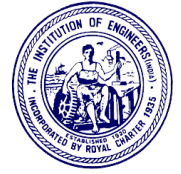




Engineering Staff College of India

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 Hazardous Waste Management & Prevention



23-24 January 2025

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

Introduction

Approx. 43,936 industries in India generate over 70 lakh tonnes of hazardous waste annually. Improper storage of hazardous chemicals- both products and wastes-incompatible inspection of containment materials, using hazardous products when non-hazardous products are available and inadequate training of staff are some of the leading causes of environmental contamination. Contamination can come in many forms- Some examples of contamination are ground and surface water, land, air, radioactive, food, noise, molds, odor, construction, vibration, etc. and invariably, if these contaminants are not properly dealt with, will result in pollution and in certain situations serious health problems.

To prevent environment contamination, proper storage of hazardous chemicals, proper inspection of the containment materials and using non-hazardous products are important. Hazardous waste management is the reduction of the amount of hazardous substances which are produced, reducing the toxicity of the hazardous waste and applying techniques/methods to reduce the exposure to waste. The hazards to health of humans are referred to in medical terms as toxicity, and hazardous waste can be of different forms like water contamination, air pollution, food contamination, construction ... etc. Disposing of untreated hazardous wastes can affect the health of workers and also the immediate surroundings.

In order to deal with these issues stakeholders need to upgrade their skills towards Hazardous Waste Management. Hence, ESCI is organizing this 2 days Training Programmes which will give the details on types of hazardous, Non-Hazardous, contaminants and the new frontiers in eliminating or minimizing these wastes. This course provides complete details on Management & Prevention of Hazardous Waste.

Objectives

- To understand the Hazardous and Non-Hazardous Waste Management and its Rules
- To understand the different forms of contamination and its methodology
- To understand the environment policies preventing the contamination
- To understand the relationship between human health and contaminated environment
- To understand about Recycling of hazardous waste
- To understand the treatment and management of hazardous Waste
- To understand the concept of 5R's –Reduce, Reuse, Recycle, Recover and Rethink

Course Coverage

- Introduction and an Overview of Hazardous Waste Management
- Difference between hazardous and non-hazardous waste
- Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016
- Identification and Characterization of HW
- Overview on “Contamination” and it’s types and its affects
- Connecting the Dots between Contamination and Hazardous Wastes –relationship
- Management of Contamination and Hazardous Wastes
- Treatment of Hazardous Waste
- Disposal of HW by Landfill Method, Co-Processing of HW
- Hazardous Waste Disposal Site management
- Case Study of HW Management in Industry

(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

Personnel who can attend this course are:

- Environmental professionals
- Health and safety professionals
- Laboratory technicians
- Technical assistants
- Emergency personnel
- Staff involved in the management of hazardous wastes
- Staff accountable for contamination issues
- Staff willing to minimize liability and risk appearing from polluting events

Apart from general workers, employees who are specifically assigned to collect, carry, dispose or transport hazardous items and wastes must undergo this course to gain complete awareness on safe disposal methods and regulations.

Managerial and Supervisory Personnel working in industry in Environment / Ecology/ Process/ Maintenance/ Stores/ Utilities/ R & D/ Project/ Quality/ Technical Services/ Laboratory /Safety & Health Departments. Officers from Professional HSE Institutes/ Organisations, Municipal Corporations and Hospitals. Officers from Enforcement Authorities – State Pollution Control Boards/ Factory Inspectorates.

Programme Dates, Prog. Code & Timings

Dates: 23-24 January 2025, **Prog. Code:** EM 6081 & **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,
Old Bombay Road, Gachi Bowli, Hyderabad 500 032
Phone: Direct 040 66304120, 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. 11,000/- (Rupees Eleven 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) (ZCC) of Finance act – 1994).

Programme fee is to be paid in in favour of “**THE INSTITUTION OF ENGINEERS (INDIA) – 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

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