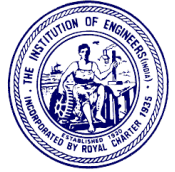




# Engineering Staff College of India

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

## Sanitation and Waste Management

20 – 22 September 2023



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

### Introduction

Sanitation denotes preventing people from coming into contact with wastes by providing facilities and services for the treatment and disposal of human excreta and other liquid wastes produced in homes, workplaces and public buildings.

Waste management is the collection, treatment and scientifically disposal of wastes produced in the home, workplace and public buildings.

All wastes of various types; need to be controlled and managed for the benefit of people and the environment that they live in. In urban areas where people live close together and space can be limited, managing these wastes is a difficult problem. The main objective of a Sanitation system protects and promote human health by providing a clean environment and breaking the cycle of disease. In order to be sustainable, a sanitation system has to be not only economically viable, socially acceptable, and technically and institutionally appropriate, it should also protect the environment and the natural resources. "If handled properly, waste management has huge potential to turn problems into solutions and to lead the way towards sustainable sanitation system through the recovery and reuse of valuable resources; the creation of new business and employment opportunities, including for the informal sector and reduced emissions of toxic gases. Access to potable water, proper sanitation, and hygiene have become global concerns. This programme highlights on the sanitation and waste management practices and the best possible implications towards safe and clean environment. .

### Objectives

To introduce the candidates with the concepts of sanitation, waste management and circular economy. Providing knowledge on the linkages between Sanitation, health, hygiene and environment.

### Course Coverage

1. Sanitation-Overview, Basic Principles and Planning.
2. Types of Sanitation System - Onsite & Offsite - TPPFs, septic tanks, soak pits, FSTP, Offsite, DEWATS etc.
3. Sanitation and Waste Management in Urban and Rural areas.
4. Design, Construction and Monitoring of Sanitary landfill.
5. Concept of circular economy and its relation with sanitation & waste management.
6. Best Practices in segregation, collection, transportation, reuse and recycle options.
7. Energy recovery system and models (Bio-methanisation and power production).

The program encompassed lectures, case studies, dialogues, assignments and group activities viz., development of a sustainable waste management plan focusing on segregation, recycling and reuse; and need for circularity in waste management system etc. Participants will also be taught the concept of 'Circular Economy'.

(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, 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, Engineers, Executives, Project Proponent and Managers etc. from all Industries, Government, Public and Private sector involved in waste Management. This course is useful for decision makers, engineers and managers working in the areas of project formulation including Environment and Forest clearances in various development projects from various sectors, Regulatory authorities, Academicians, Environmental consultants, Project proponent, EIA Coordinators and function area experts etc..

## Programme Dates, Code & Timings

**Dates:** 20 – 22 September 2023 (EM 6092), **Timings:** 10:00 AM onwards.

## Course Director

**Ms. Anita Aggarwal**

Faculty & Head I/c., Environment Management Division,

Phone: Direct 040 6630 4120 to 4122; Fax: 040-66304163

Mob: 8374362306; Email: [em@escihyd.org](mailto:em@escihyd.org)

(or) Contact us at: Mr. GNM. Rao (Prog. Manager) – 9866431555.

## 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

- **Residential Fee** – Rs. 16,000/- (Rupees Sixteen 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) (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](http://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.**

**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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