



# Engineering Staff College of India

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



## Centre for Climate Change Division

*Continuing Professional Development Programme*

### Municipal and Industrial Wastewater Treatment for a Circular Water Economy

20 - 22 May 2026

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

#### Introduction

With increasing water scarcity, urbanization, and industrial growth, wastewater is no longer viewed as waste but as a valuable resource. This three-day programme focuses on advanced treatment technologies, reuse strategies, and resource recovery approaches aligned with the principles of a circular water economy. It aims to equip professionals with technical, managerial, and policy insights to transform wastewater systems into sustainable and resilient resource cycles.

#### Objectives

The programme aims:

- ✚ To understand the fundamentals of municipal and industrial wastewater characteristics
- ✚ To explore conventional and advanced treatment technologies
- ✚ To promote wastewater reuse and recycling practices
- ✚ To introduce resource recovery concepts (energy, nutrients, water)
- ✚ To discuss regulatory frameworks, standards, and governance
- ✚ To build capacity for planning and implementing circular water systems

#### Course Coverage

This training program will broadly cover the following key areas:

- ✚ **Fundamentals and Municipal Wastewater Treatment:** Introduction to Circular Water Economy, Wastewater Characteristics and Assessment, Conventional Municipal Wastewater Treatment, Emerging Technologies in Municipal Treatment.
- ✚ **Industrial Wastewater Treatment and Resource Recovery:** Industrial Wastewater Characteristics, Treatment Technologies for Industrial Effluents, Zero Liquid Discharge (ZLD) Systems, Resource Recovery from Wastewater.
- ✚ **Reuse, Policy, and Implementation Strategies:** Wastewater Reuse and Recycling, Regulations and Standards, Planning Circular Water Systems, Smart Water Management.

**Note:** Field visits will be arranged during the programme.

#### 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.

(An ISO 9001:2015 Certified, AICTE & CEA Recognized Institution)

Centre for Promotion of Professional Excellence

## Target Participants

This programme is intended for engineers and technical staff from Urban Local Bodies (ULBs), Pollution Control Boards, Water Supply & Sewerage Boards, industrial professionals, environmental consultants, project managers, academicians, researchers, NGOs, and students in environmental engineering and water resources.

## Programme Dates, Timings & Code

**Dates: 20 - 22 May 2026, Timings: 10 AM Onwards. & Code: 8071**

## Course Director

**Dr. K. Chandrakala** Sr. Faculty, Centre for Climate Change      **Dr. Aadhi Naresh**, Faculty, CCC  
**Engineering Staff College of India,**  
Phone: Direct 040 6630 4164/4137, Fax: 040 - 6630 4163,  
Mob: 94948 72533 Email: [ccc@escihyd.org](mailto:ccc@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. 18,500/-** (Rupees Eighteen Thousand Five Hundred 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 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.

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

**Each participant will receive a Certificate of Participation upon program completion.**