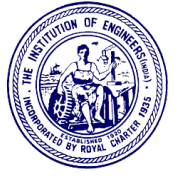




Engineering Staff College of India

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 on

Coastal Wastewater Management, Decentralised STPs & Urban Water Systems



18-22 May 2026

Venue : Goa

Last Date for Registration: 18th April 2026

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

Introduction

Coastal regions like Goa face unique challenges in wastewater management due to **rapid tourism growth, sensitive marine ecosystems, and increasing urbanization pressures**. Effective management of wastewater is critical to protect **coastal waters, groundwater, and public health**.

As per available search engine reports, Goa generates approximately **112–176 MLD of sewage**, while the installed treatment capacity is significantly lower and underutilized. Studies indicate that **over 60% of sewage remains untreated**, and even existing STPs operate at only **40–50% of their capacity**, highlighting major gaps in collection, treatment, and reuse systems.

The Goa State Pollution Control Board has also raised concerns regarding **pollution of water bodies, coastal zones, and groundwater**, leading to stricter regulations and the need for decentralized treatment solutions and improved system performance.

In this context, decentralized STPs (DEWATS), compact treatment systems, and integrated urban water management approaches are emerging as **sustainable and practical solutions** for coastal regions like Goa.

This programme is designed to provide participants with **practical exposure, field insights, and advanced knowledge** on coastal wastewater management, decentralized systems, and resilient urban water infrastructure.

Objectives

The objective of this programme is

- Understand challenges in **coastal wastewater management**
- Learn design and implementation of **decentralized STPs (DEWATS)**
- Explore **urban water system integration** (water–sewer–stormwater)
- Gain insights into **reuse & recycle strategies in coastal regions**
- Understand **environmental regulations and coastal protection norms**
- Strengthen knowledge on **O&M and performance optimization**
- Learn application of **digital tools and smart monitoring systems**

Course Coverage

This programme is designed to cover broadly the following topics.

- Overview of urban water systems in coastal cities and Coastal wastewater management challenges & regulations
- Decentralized STPs (DEWATS) and compact treatment solutions including O&M
- Technology options for small-scale and tourism areas
- Reuse and recycle strategies in coastal regions
- Desalination technologies and integration with urban water supply
- Marine outfall systems and environmental safeguards
- Stormwater management and flood resilience
- Planning, design & techno-economic considerations
- Smart monitoring, IoT & digital water solutions

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

Centre for Promotion of Professional Excellence

- Case studies (Goa & other coastal cities)
- Field visits to STPs / DEWATS / coastal systems

Methodology

Methodology of the programme includes classroom Sessions by expert faculty, 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

The course is meant for Engineers/ Managers / Commissioners at all levels working in Metropolitan Water Supply & Sewerage Boards, Sanitation Boards, Public Health Engineering Departments, Municipal Corporations, Municipal Administration Departments, Urban Development Authorities, ULBs, Industrial Townships, Industrial Development Corporations, Consultancy Organizations, Implementing agencies and interested professionals / individuals. The programme can also be attend by the local, State and Central Government officials engaged in the decision making, planning and management of water and sanitation services from across the Country, national and international consultants' and technology providers along with technical experts and sector professionals.

Programme Dates, Code & Timings

Dates: 18-22 May 2026, (EM 6110), **Timings:** 10 AM Onwards.

Venue : Goa (Exact location To be shared with registered participants prior to the programme)

Course Director

Ms. Anita Aggarwal

Faculty & Head I/c. Environment Management Division,
Engineering Staff College of India,
Old Bombay Road, Gachi Bowli, Hyderabad 500 032
Phone: 040 6630 4120, 4122; Fax: 040-66304163
Mob: 08374362306, 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

- **Residential Fee – ₹.75,000/-** (Rupees Seventy Five 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.
- **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 “**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, organization name, 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.

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