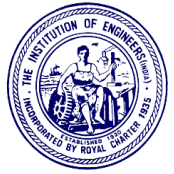




# Engineering Staff College of India

Autonomous Organ of The Institution of Engineers (India)

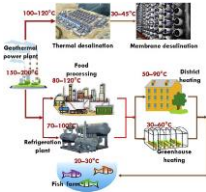
Old Bombay Road, Gachi Bowli, Hyderabad – 500 032. Telangana, India



## Environment Management Division

### Three days Training Programme on Desalination Process-Planning, Design & Operation

21-23 February 2024



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

#### Introduction

Water Desalination and Purification Technology Training covers many aspects of water supply challenges facing the World, and areas of **water desalination and purification technologies** that may lead to technological solutions to these challenges. Water desalination technology converts the un-drinkable brackish water or seawater into drinkable water. However, it has to be done with minimum cost and energy use in order to be feasible and sustainable.

The water desalination and purification training course is designed to give sufficient knowledge about desalination and filtration processes. It also teaches you the fundamental thermodynamics and transfer phenomena, which govern the production of water out of brackish or seawater.

#### Objectives

The three days Course aims to enhance the subject knowledge, skills and attitude of the engineers working in Recycle and Reuse of Waste Water. It covers advancements and emerging technologies.

#### Course Coverage

- **Overview:** Introduction to water supplies, Desalination, water salinity and potential users of the desalinated water
- Characteristics of seawater and fresh water
- Salinity concentration
- Molality and molarity
- **Desalination Process:** Fundamentals, Concepts, Design, O&M and its Sustainability
- Environmental impacts and economics of desalination plants
- Costs analysis and economics
- Environmental impacts
- Some examples of the existing desalination processes
- Each session is covered with Practice Sessions, practical case studies and group discussion

#### 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

Engineers/ Managers / Commissioners at all levels working in Metropolitan Water Supply & Sewerage Boards, Public Health Engineering Departments, Municipal Corporations, Municipal Administration Departments, Urban Development Authorities, Industrial Townships, Industrial Development Corporations, Consultancy Organizations, Implementing agencies and self interested professionals / individuals.

## Programme Dates, Timings & Code

**Dates:** 21-23 February 2024, **Timings:** 10:00 AM onwards, **Code:** EM6088.

## 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: Direct 040 6630 4120, 4122 / Fax: 040-66304163  
Mob: 8374362306; Email: [em@escihyd.org](mailto: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** – Rs. 16,000/- (Rupees Sixteen Thousand only) per participant. Fee (Residential) 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. **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**, 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

Phone: 040 – 66304120, 66304122, Fax: 040 – 66304103

Email: [em@escihyd.org](mailto:em@escihyd.org), web portal: [www.escihyd.org](http://www.escihyd.org)