



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

Adapting Drinking Water Infrastructure to Climate Change Challenges

18 – 20 September 2024

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

Introduction

Climate change presents major challenges to our drinking water infrastructure. This three-day training program aims to equip participants with the knowledge, skills, and tools required to adapt and strengthen the resilience of their water systems. Join us to explore innovative solutions, effective policies, and community engagement strategies to protect our water resources from the impacts of climate change.

Objectives

The objective of this program is to provide participants with a thorough understanding of the impacts of climate change on drinking water systems. The program will cover methods for identifying and assessing vulnerabilities within these systems, helping participants recognize specific climate-related risks. It will also explore a range of adaptive strategies, including innovative design solutions and green infrastructure, to bolster the resilience of drinking water infrastructure. Participants will gain insights into relevant regulatory frameworks, policies, and financing mechanisms that support adaptation efforts. A key focus will be on the importance of community and stakeholder engagement in the adaptation process, ensuring that all relevant parties are actively involved and informed. Ultimately, the training aims to equip participants with practical tools and knowledge that they can apply in their local contexts to protect drinking water resources from the challenges posed by climate change.

Course Coverage

This program is designed to broadly cover the following topics:

- ✚ The State of Climate Change
- ✚ Impacts of Climate Change on Water Infrastructure
- ✚ Case Studies: Global Examples of Impacted Water Systems
- ✚ Vulnerability Assessment Techniques
- ✚ Effects of Climate Change on Water Resources
- ✚ Water Quality Concerns
- ✚ Assessing Local Vulnerabilities
- ✚ Engineering Solutions for Resilience
- ✚ Green Infrastructure and Nature-Based Solutions
- ✚ Regulatory Frameworks and Policies
- ✚ Financing Mechanisms and Opportunities
- ✚ Building Community Resilience

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,

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Centre for Promotion of Professional Excellence

debates, sharing of experiences, etc. All the sessions will be interactive, demanding active participation from all the participants.

Target Participants

This training programme targets a diverse group of professionals, including water utility managers, civil and environmental engineers, urban planners, city officials, policy makers, regulators, and researchers. It also includes NGO representatives, environmental consultants, community leaders, financial institution representatives, and students. This programme aims to enhance skills in planning, designing, managing, and regulating resilient water systems. By fostering a collaborative learning environment, participants will address climate change challenges, ensuring sustainable water management practices and infrastructure adaptation strategies.

Programme Dates, Timings & Code

Dates: 18 –20 September 2024, Timings: 10 AM Onwards. & Code: 8052

Course Director

Dr. K. Chandrakala, Faculty, Centre for Climate Change

Mr. Aadhi Naresh, Jr. Faculty, CCC

Engineering Staff College of India,

Phone: Direct 040 6630 4164, Fax: 040 - 6630 4163,

Mob: 8019438539 Email: 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. 24,000/-** (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) (ZC) of Finance act – 1994).

Programme fee is to be paid 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

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 receive at the end of the programme.

Centre for Climate Change, Engineering Staff College of India

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