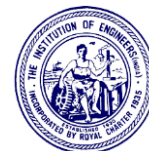




Engineering Staff College of India

Autonomous Organ of The Institution of Engineers (India)

ESCI Road, Gachibowli, Hyderabad – 500 032. Telangana, India



Environment Management Division

Continuing Professional Development Programme on

Impact of Climate Change on Water Resources in India: Challenges and Solutions



15-17 March 2027

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

Introduction

Climate change is increasingly affecting **India's water resources** through changing rainfall patterns, extreme weather events, droughts, floods, rising temperatures, groundwater stress and increasing water demand. These impacts are creating challenges for drinking water supply, agriculture, ecosystems and urban and industrial development.

With India experiencing rapid urbanisation and increasing variability in water availability, **climate-resilient and sustainable water management** has become essential. The programme will provide participants with an understanding of climate-related water challenges and practical approaches for adaptation, resilience and improved water security.

Objectives

The programme aims to enhance participants' understanding of the **impact of climate change on India's water resources** and develop awareness of practical adaptation and resilience strategies. It will focus on sustainable water management, climate-resilient infrastructure and solutions through Indian case studies and field-based learning.

Course Coverage

- Climate Change, Trends, Water Resources and Water Availability in India
- Impact on Surface Water and Groundwater
- Changing Rainfall Patterns and Extreme Events
- Droughts, Floods and Water Security
- Urban Water Management
- Climate Impacts on Agriculture and Irrigation
- Groundwater Management and Recharge
- Water Conservation and Demand Management
- Nature-Based Solutions for Water Resilience
- Water Reuse and Resource Recovery
- Climate Adaptation and Mitigation Strategies
- Water Governance, Policy and Planning
- Case Studies – India and Global, Field Visit to Selected Water/Environmental Facilities in and around Hyderabad

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

Water Resources and Irrigation Engineers; Civil and Environmental Engineers; Urban and Town Planners; Municipal and Water Utility Officials; Groundwater and Hydrology Professionals; Agriculture and Irrigation Professionals; Climate Change and Environmental Professionals; Government / PSU / ULB Officials; Infrastructure and Project Management Professionals; Consultants and Development Professionals; Faculty Members and Researchers; NGOs and professionals working in water and climate resilience.

Programme Dates & Timings

Dates: 15-17 March 2027 (Prog. Code: EM 6127) **&Timings:** 10:00 AM onwards at ESCI Campus, Gachibowli, Hyderabad.

Course Director

Ms. Anita Aggarwal

Faculty & Head I/c.

Environment Management Division,

Engineering Staff College of India,

Old Bombay Road, Gachibowli, Hyderabad 500 032

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

Mob: 8374362306;

Email: em@escihyd.org

Faculty/Speaker Details

In addition to the core internal faculty, highly experienced professionals and sector experts from organisations such as NRSC, along with senior GIS consultants, will deliver interactive sessions enriched with practical knowledge and case studies.

Course Fee

- **Course Fee** (Residential): **Rs. 18,000/-*** (Rupees Eighteen 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) (ZZC) of Finance act – 1994).

Programme fee is to be paid in in favour of “**THE 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.

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 be awarded to each participant on conclusion of the programme.

Environment Management, Engineering Staff College of India

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