



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



WATER RESOURCES DEVELOPMENT DIVISION

Continuing Professional Development Programme on
Climate Change – Management of Water Resources
23 – 25 October, 2017



(An ISO 9001:2008 Certified, AICTE & CEA Recognized Institution)

Centre for Promotion of Professional Excellence

INTRODUCTION

Water is the primary medium through which climate change influences Earth's ecosystem and thus the livelihood and well-being of societies. Higher temperatures and changes in extreme weather conditions are projected to affect availability and distribution of rainfall, river flows, snowmelt, groundwater, and water quality. Effective Water Resources management is critical to ensure sustainable development as it affects almost all aspects of the economy, in particular health, food production and security; domestic water supply and sanitation; energy and industry; and environmental sustainability.

Adaptation to climate change is urgent task and this needs to be recognized by all. Early strategies for addressing climate change focused almost exclusively on mitigation measures (i.e. reduction of greenhouse gas concentrations in the atmosphere). In recent years, more resources have been dedicated to adaptation of human natural systems to the anticipated impacts of climate change. "Adaptation is the adjustment in natural or human systems in response to actual or expected climatic stimuli or their effects, which moderates harm or exploits beneficial opportunities."

The National Action Plan on Climate Change identifies measures that promote our development objectives while also yielding co-benefits for effectively addressing climate change. It outlines a number of steps to simultaneously advance India's development and climate change related objectives of adaptation and mitigation.

In dealing with the challenge of climate change we must act on several fronts in a focused manner simultaneously.

There are Eight National Missions which form the core of the National Action Plan, representing multi-pronged, long-term and integrated strategies for achieving key goals in the context of climate change.

A National Water Mission is one of the eight to ensure integrated water resource management helping to conserve water, minimize wastage and ensure more equitable distribution both across and within states.

The mission will take into account the provisions of the National Water Policy and develop a framework to optimize water use by increasing water use efficiency by 20% through regulatory mechanisms with differential entitlements and pricing. It will seek to ensure that a considerable share of the water needs of urban areas are met through recycling of waste water, and ensuring that the water requirements of coastal cities with inadequate alternative sources of water are met through adoption of new and appropriate technologies such as low temperature desalination technologies that allow for the use of ocean water.

OBJECTIVES

The proposed training programme aims at updating the knowledge of Water Resources Engineers in implementing various adaptation measures for efficient use of water resources for different purposes such as irrigation, water supply, industry, etc. Agricultural engineers can also update themselves on innovative methods of crops, soil & water conservation and land use for various water efficient.

COVERAGE

- Overview – Climate Change related risks
- Adaptation tools for climate change risks.
- Integrated Water Resource Management
- Storm Water Control and Management
- Flood and Drought Management
- Rainwater Harvesting and Groundwater Recharge
- Water Use Efficiency, Conservation Reuse and Recycle
- Soil Conservation & Land Use Management
- Desalination

METHODOLOGY

Methodology includes class room lectures with audio visuals, interactive sessions through group discussions, case studies etc. Emphasis would be laid on sharing of experiences of participants and active participation is solicited from participants. Medium of training is English.

TARGET PARTICIPANTS

The programme is meant for Junior / Middle as well as Senior level officers involved in Water Resources Development and Management and also Agricultural Engineers from State Govts. DWMA's and Central Government, Research & Development Organizations, Consultants etc.

PROGRAMME VENUE

Engineering Staff College of India (ESCI) Campus, Old Bombay Road, Gachi Bowli, Hyderabad - 500032, TS, India.

DATES

23 – 25 October, 2017

TIMINGS

On the first day registration will commence at 0900 Hrs. On all other days the programme timings will be from 0945 to 1715 hrs with breaks in between for tea and lunch.

COURSE DIRECTOR (S)

G.D. Ojha, *B.E., M.Tech*
(Former Regional Director
Central Ground Water Board, MoWR GoI),
Head & Sr. Faculty, WRD Division

B. Leela Prasada Rao, *B.E., M.Tech*
Sr. Faculty
WRD Division

COURSE FEE

Residential Fee is Rs.15,000/- per participant. Residential fee includes course material, course kit, and twin-sharing / single AC accommodation as per availability, Breakfast, Lunch, Dinner, Tea / Coffee and Snacks.

DISCOUNTS

Non-Residential Fee: 10% discount on course fee is allowed for non-residential participants.

Group Discount: Additional 10% discount for three or more participants if sponsored by the same organization.

(All discounts are applicable only if fee is received at ESCI before the commencement of the programme)

GST @18% as applicable is to be paid extra over and above the training fee. **PAN Card No** AAATT3439Q; **GSTIN** 36AAATT3439Q1ZV under commercial training or coaching services.

Programme fee is to be paid 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. **While using EFT method of payment, please ensure to communicate us your company name, our invoice reference and programme title.**

REGISTRATION

Online registration shall be available on ESCI website. To register, manually please send your nominations giving details of name, designation, contact address, email address, mobiles no, telephone and fax number of the participant along with the details of mode of payment of fee, addressed to:

Head

Water Resources Development Division
Engineering Staff College of India
Gachi Bowli, Hyderabad – 500 032
Phone: 040 – 66304117 – 9 (Dir.) 23000465 (EPABX): Extn: 4117– 9
Fax: 040 - 23000336
E-Mail : wrd@escihyd.org
Url : www.escihyd.org

CERTIFICATE: A certificate of participation will be awarded to each participant on conclusion of the programme.

GENERAL INSTRUCTIONS

- ESCI encourages participants to present case studies from their respective organizations.
- For the convenience of the outstation participants ESCI will facilitate pickup and drop from Airport / Railway Station/ Bus stations, if travel plans are received at least 3 days in advance along with mobile number by fax or email. The charges shall be paid by the participants directly to the cab.
- ESCI provides complimentary accommodation to participants a day prior to the commencement and after the conclusion of the programme. (Check in at 12:00Hrs) one day after conclusion (Check out at 12:00 hrs) of the programme duration.
- Overstay charges of @ Rs.990/- per day, per head will be charged.
- Well developed Information Centre and internet facilities are available to the participants.