



**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*  
**Integrated Water Resources Management Including  
Modernization of Irrigation Projects**

21 – 24 November, 2017



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

**Centre for Promotion of Professional Excellence**

## **INTRODUCTION**

India has the largest irrigated area ahead of China and USA but is lagging behind these countries in food production. Though irrigation sector's contribution to agriculture and GDP of the nation is undisputed, there have been serious concerns over its poor performance. Stagnated agriculture has emerged as a challenge during recent years in India's otherwise progressive performance.

To address the major challenges of securing water to meet increasing food production demands of the expanding population, while safe-guarding the critical ecological balance, it is necessary to adopt technological innovations with integrated approach to irrigation water management. These include analyzing the interactions between the adoption and adaptation of irrigation systems to plant level options and field level options, innovations like water harvesting, micro irrigation, atomistic irrigation, conjunctive management of different water sources, institutional reforms and management methodologies.

In a comprehensive review of Indian irrigation sector in 1991, World Bank cautioned that India will be critically dependant on a better performance from irrigation sector. It thus identified capacity building in irrigation systems management as one of the thrust areas. The future sustainability of Irrigation Systems will largely depend upon the needed improvements and innovations in this sector in the form of Modernization in its real sense.

## **OBJECTIVES**

The programme is designed to discuss technological, managerial innovations as well as institutional reforms required for irrigation systems and farm management techniques to deliver improved performance in order to achieve "more income and crop per drop of water" . It aims at updating the knowledge, upgrading the skills and uplifting the attitudes of working irrigation and agricultural engineers, scientists and others.

## **COVERAGE**

- ✚ Overview of Integrated Water Resources Management
- ✚ Irrigation Development in India
- ✚ Principles and status of Water Distribution in Major Irrigation Systems
- ✚ FAO Guidelines for Crop Water Requirements
- ✚ Modernization of irrigation systems - MASCOTTE approach-RAP
- ✚ Water – use efficiency : Bench Marking of Irrigation Projects
- ✚ Participatory Irrigation Management: Rights and Responsibilities
- ✚ Field visit

## **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 Irrigation, Agriculture Depts. of State Govts. 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**

21 – 24 November, 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.20,000/- 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.