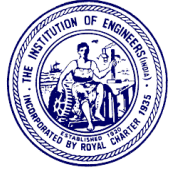




Engineering Staff College of India

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



Water Resources Development Division

ONLINE PROFESSIONAL DEVELOPMENT PROGRAMME Strategies for More Crop for Drop of Water



Powered by



22 – 25 September., 2020
(Three Hours per day)

12 Hours Online Intractive Sessions | 24/7 Experts Online Support

Introduction

Water is the most crucial input for agricultural production. Agriculture is the biggest water consumer. It uses around 70 percent of all freshwater withdrawals worldwide. With a growing world population, agriculture will face more competition from industrial and domestic water users. This is why agriculture will have to use water more efficiently. The irrigated area in developing countries is expected to increase by 40 million hectares (20 percent) by 2030. By 2050, human population is projected to increase to 9 billion people and it is estimated that 70% of additional food have to be produced in order to feed the humanity over the next 40 years. Water demands increase not only for food production but also for other sectors like industry, domestic, power etc to meet the needs of the increased population. Strategies for efficient management of water for agricultural use involves reduction in water losses in conveyance and distribution system through periodic maintenance, applying the right quantity at right time, participation of farmers in water management, right cultivation techniques and irrigation practices including increased use of water saving devices like sprinkler and drip, conjunctive use of surface and ground waters and moisture conservation practices. The use of pressurized irrigation technology could increase water-use efficiency and reduce cost.

The Government of India has been implementing Centrally Sponsored Scheme on Per Drop More Crop with the objective to enhance water use efficiency in the agriculture sector. Under the scheme, technological interventions like drip & sprinkler irrigation systems are promoted to encourage the farmers to use them for conservation and saving of water & improved yield. The positive outcomes of micro irrigation have made food security effective due to increase in production and productivity of different crops and increased area under irrigation from the same source of water resulting in enhanced nutritional security for the country.

In this context, there is an urgent need to resolve the water problems through smarter agriculture practices and better water management including modernization of irrigation systems which enable the rural people to have a better livelihood opportunities.

Objectives

The Proposed Online training programme aims at providing an opportunity to the Irrigation engineers, Agriculture engineers and Agriculture officers involved in irrigation and agricultural activities to enhance their knowledge and skill on “Water Use Productivity” with latest technologies in water management for more agricultural production.

Course Coverage

- Overview of “More Crop Per Drop”
- Irrigation Development in India
- Climate – Weather Forecasting
- Water Use Efficiency –Water Audit and Bench Marking of Irrigation Systems
- Crop water requirements – FAO guidelines.
- Introduction of Micro – Irrigation Systems in Agriculture sector

(An ISO 9001:2015 Certified, AICTE & CEA Recognized Institution)

Centre for Promotion of Professional Excellence

- Participatory Irrigation Management
- Modernization of Irrigation Systems – MASCOTTE approach – RAP
- SRI method of paddy cultivation and other methods with less water consumption & more productivity.
- Bhuvan - Per Drop More Crop App

Methodology

Methodology of the programme includes Digital Learning through LMS Platform, Online Video Interactive sessions with Cloud based Lecture / Discussion with audio visual aid. Online case studies, sharing of experiences etc.

All the sessions will be interactive demanding active participation from all the members.

Target Participants

The programme is meant for Junior and Middle level officers working in Irrigation, Agriculture, Water resources departments, Academics, Research and Development Organizations.

Benefits to the participants

At the end of the training Participants will be able to:

- Explain the strategy for more crop for drop of water
- Estimate the crop water requirements
- Explain water use efficiency and water audit in irrigation system
- Explain the principles of drip and sprinkler irrigation system
- Describe the roles and responsibilities of farmer's organization
- Implementation of MASSCOTE approach in irrigation system
- Utilize Bhuvan application in per drop more crop under PMKSY scheme

Programme Dates & Timings

Dates: 22 – 25 September, 2020 (3 Hours per day)

After Registration / Nomination Participant can get access to ESCI LMS platform for digital Learning.

Online Session timings will be from 14:00 – 17:15 hrs with 15 Minutes break.

Course Director

Er. G.Naresh, M.Tech,MIE,(Ph.D)

Course Director

Contact details : 8801193075 / 040-66304117 (D)

Faculty/Speaker Details

The faculty consists of experts from Universities, Industry and leading Govt. / Semi Govt. organizations. We are sure that the participants will be benefited by the lectures, interactive sessions & presentations on case studies.

Course Fee

Rs 6000/- + GST of 18 % Per participant.

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 **web portal** : www.esciupskill.org / 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 the Course Director by email (wrd@escihyd.org). **Certificate of participation will be awarded to each participant on conclusion of the programme.**