



**Government of India
Ministry of Jal Shakti
Department of Water Resources,
River Development & Ganga Rejuvenation
Central Water Commission**



**DL course on 'Irrigation Planning and Management
Aspects of Water Resources Projects'
27th to 30th April 2026**



**Organized by
National Water Academy, CWC, Pune**

INTRODUCTION AND OBJECTIVE

Irrigation planning and management aspects constitute a critical component of water resources projects, ensuring optimal and sustainable utilization of available water. Water resources projects must be carefully planned and appraised to optimize benefits and minimize the costs involved. For this, preparation of bankable and technically sound Detailed Project Reports (DPRs) assumes greater importance. This 4-day Distance Learning (DL) course introduces participants to the systematic approaches and methodologies adopted in the preparation of the irrigation planning chapter of DPRs. The program also emphasizes efficient operation and maintenance of irrigation systems, equitable water distribution, and adoption of improved water management practices to enhance project outcomes.

The course aims to build and strengthen the capacities of officials from Central and State Government departments, Central and State Public Sector Undertakings (PSUs), as well as professionals from private institutions, consultancies, academia, civil society organizations, and other stakeholders. The course will strengthen both organizational and individual competencies in applying scientific approaches, established methodologies, and best practices essential for effective irrigation planning, project appraisal, and water management. These competencies will directly contribute to improved project outcomes and the long-term sustainable utilization of water resources.

COURSE CONTENTS

- Introduction to Irrigation Planning Aspects
- Data and Survey Requirements for Irrigation Planning
- Estimation of Crop Water Requirement
- Irrigation Scheduling and Tools for Irrigation Planning
- Water Use Efficiency, Crop Water Planning, Demand Table, Success Rate/Failure of the Project
- Water Management in Irrigated Commands
- Command Area Development and Participatory Irrigation Management
- Micro Irrigation Systems
- Economic Evaluation of Irrigation Projects

RESOURCE PERSONS

The resource persons for this DL course will comprise subject experts from Central Water Commission, WALMIs/IMTIs, Academia and other experienced professionals.

DURATION

The duration of the Program will be from 27th to 30th April 2026

TARGET GROUP

This DL course is intended for all the stakeholders including Private Organizations/Research Institutions/Academia/Consultants/NGOs/ Central and State PSUs/ Central and State Govts Departments, Organizations, Authorities, and other bodies working in the field of irrigation and WRD&M.

COURSE FEE

This DL course is free of charge for all the stakeholders.

HOW TO APPLY

1. The authorities of Central Govt./State Govt./PSUs/ Private Organizations /Consultants/Academia etc. are requested to send nominations of their personnel in the Nomination form given in the brochure through email to deputydirector1-nwa@gov.in. The last date of sending nomination is **24.04.2026**.

2. All nominated and other interested participants shall register in the google form given at: <https://forms.gle/6mYrmeAcZoxTX6x36>

3. The DL course will be conducted through the NWA e-learning platform (<https://www.nwapune.gov.in/> or <https://elearning.nwapune.co.in/>). All nominated and registered participants will receive instructions on how to join the course by registering themselves on the NWA e-learning platform and enroll for the course. The links for various activities of the training program as well as the training material will be made available on this platform.

CERTIFICATE

Course participation certificates can be generated by participants on the e-learning platform upon successful completion of all sessions, submission of the final assessment as well as the course feedback.

CONTACT FOR ANY FURTHER INFORMATION

Shri Chaitanya K S
Deputy Director & Course Coordinator
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Central Water Commission, Pune
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Email Id: deputydirector1-nwa@gov.in/nwa.mah@nic.in

NOMINATION FORM

Name (in capitals):

Designation:

Organization:

Responsibilities (in brief):

Full Postal Address

Tel Nos (with STD Code):

Email:

Mobile

Date:

(Signature of the Participant)

SPONSORING AUTHORITY

Full Postal Address

Tel Nos (with STD Code):

Email :

Mobile

Date

(Signature and Seal)

Completed Nomination Form may be sent by email to deputydirector1-nwa@gov.in