



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



**Training Program on
Evapotranspiration based Irrigation
Performance Assessment Tools
(25 - 29 August 2025)**



**Organized by
NATIONAL WATER ACADEMY, PUNE**

INTRODUCTION & OBJECTIVES

With around 1,700 Major and Medium Irrigation (MMI) projects across India, conventional methods for assessing irrigation performance—being data-intensive and time-consuming—pose significant challenges for large-scale monitoring. Geospatial evapotranspiration (ET) datasets offer a valuable alternative, enabling rapid evaluation of irrigation performance.

The Performance Overview and Management Improvement Organization (POMIO) of Central Water Commission (CWC), with support from the World Bank, has developed two Evapotranspiration based Performance Assessment Tools viz., Quick Irrigation Performance Assessment (EQIPA) and Detailed Performance Assessment (EDIPA) to leverage satellite data and geospatial technologies to assess the performance of major and medium irrigation projects across India. While EQIPA offers a web-based platform for rapid evaluations using key indicators, EDIPA, developed on the Google Earth Engine (GEE) platform, provides a more detailed analysis for irrigation commands.

To support widespread adoption of these tools, NWA in association with POMIO, National Institute of Hydrology (NIH) and the World Bank has launched a series of capacity-building training programs aimed at enhancing the capabilities of State Water Resource Departments and Central Agencies.

This hands-on based training program is being conducted as an integral part of the same. It begins with hands-on sessions on the GEE platform. Following the GEE orientation, the training will cover the two ET-based irrigation performance assessment tools

PROGRAM FORMAT

The program will be held in person at the National Water Academy (NWA) campus in Pune.

TARGET GROUP

Professionals of the Central and State Water Resources and Irrigation Departments and other interested stakeholders with basic knowledge of remote sensing.

Officers attending the program should bring their own laptop for hands on exercises.

PROGRAM FEE

There is no program fee for participants from Central and State Govt. departments. Charges for participants from other agencies are as follows:

Category	Description	Fee per participant
A	Central/State Government/Departments including their autonomous bodies	Nil
B	'Not for Profit' Organizations/authorities/ bodies of Central and State governments (if they certify that they are not for profit)	Nil
C	Recognized academic institutions, NGOs	1,500/-
D	Central and State PSUs	10,000/-
E	Private Companies, individuals	15,000/-

• *Discounts applicable: (a) 50% for PSUs of MoJS i.e. WAPCOS & NPCC (no group discount); (b) For others – 20% discount for 3-4 participants; 30% discount for 5 or more participants from the same organization.*

LOCATION

National Water Academy is located on the south-western side of the Pune city on Pune-Sinhgad Road between Nanded Phata and Kirkatwadi villages. It is 12 Kms from Swargate Bus Stand, 18 Kms from Pune Station and 29 Kms from Pune Airport.

[Click here for directions from Pune Airport to NWA](#)

[Click here for directions from Pune Railway Station to NWA](#)

LOCAL HOSPITALITY AND WEATHER

NWA has a self-contained residential campus, and all out-station participants would be provided with accommodation in the NWA hostels, which are comfortable and fully furnished (viz. television with cable connection, refrigerator, micro-oven, tea maker, intercom etc.). Meals are available (self-service dining) in Canteen/Mess which is on the same residential campus. Participants (except for CWC officers) are required to pay for lodging and boarding charges, which are nominal. Officers from CWC will be provided with lodging and boarding free of cost. During the month of August, normally the weather is typically rainy and warm, with temperatures ranging between 22°C to 28° C

PARTICIPATION

The nomination of the officers fitting the target profile may be sent by 21.08.2025. Nominated officer may also fill in the online registration form: <https://forms.gle/dcFC73AjFcuEcfgL7>

The list of accepted nominations will be displayed on the NWA website <https://www.nwapune.gov.in/ongoingevents.jsp> on 22.08.2025

CONTACT

For sending nominations or for any information on this program, please contact:

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