

**Training Program on
Water Allocation Modelling Using WEAP Software
(22-26 September 2025)
Registration Form**

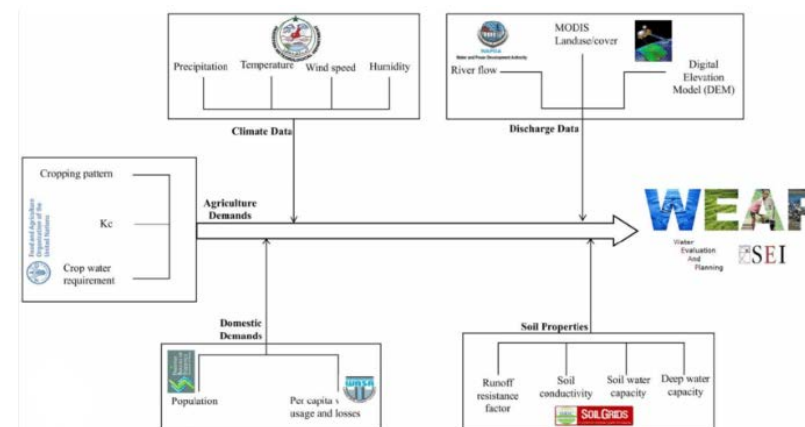
Name (in capitals):	
Designation:	
Organization:	
Responsibilities (in brief):	
Full Postal Address	
Tel Nos (with STD Code):	
Email:	
Mobile	
Whether require accommodation?	YES / NO
Date:	(Signature of the Participant)
<i>SPONSORING AUTHORITY</i>	
Full Postal Address	
Tel Nos (with STD Code):	
Email :	
Mobile	
Date	(Signature and Seal)
<p>Completed Registration Form may be sent by email: nwa.mah@nic.in /nwa.pune@gmail.com</p>	



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



**Training Program on
Water Allocation Modelling Using WEAP Software
(22-26 September 2025)**



**Organized by
National Water Academy, CWC, Pune
In collaboration with
India EU Water Initiative
Stockholm Environment Institute**

INTRODUCTION

Integrated River Basin Planning and Management (IRBM) emphasizes treating the river basin as a holistic unit to ensure sustainable and equitable utilization of water resources. At the National Water Academy, Central Water Commission, IRBM is promoted through capacity building and training, equipping professionals with tools and knowledge to address challenges of water allocation, flood management, environmental sustainability, and climate resilience across India's diverse river basins.

The Water Evaluation and Planning (WEAP) system, developed by the Stockholm Environment Institute, is an advanced, flexible, and user-friendly decision-support tool designed to assist planners, policy-makers, and water managers in evaluating and managing water resources. It integrates both supply and demand aspects of water systems, allowing users to simulate various scenarios for rivers, reservoirs, groundwater, pollution, and climate change impacts.

This one-week intensive capacity-building program at NWA, Pune, in collaboration with SEI and GIZ, is designed to empower participants with the ability to apply WEAP for real-world water allocation challenges. Through a blend of lectures, hands-on practice, and application of local basin data, trainees will gain the skills needed to set up, calibrate, and analyze WEAP models for basin planning and management.

OBJECTIVE

The objectives of this program are to enable participants to:

- Understand WEAP's role in river basin management, scenario analysis, and policy decision support.
- Navigate the WEAP interface, data structures, and model building process.
- Apply techniques for automatic catchment delineation, demand assessment, and infrastructure representation.
- Integrate climate change, pollution, and groundwater considerations into basin models.
- Analyze model outputs to compare different management strategies and develop practical recommendations.

PROGRAM CONTENTS

- Overview of WEAP: Advantages, limitations, and applications.
- Model Setup: Catchment delineation, base map import, spatial and temporal settings.
- Data Handling: Input preparation, hydrological calibration, scenario development.
- Demand Modelling: Agricultural, non-agricultural, and environmental flow requirements.
- Infrastructure Representation: Reservoirs, diversions, groundwater-surface water linkage.
- Scenario Analysis: Comparing management options under climate and demand changes.
- Result Interpretation: Analysis, visualisation, and reporting of model outcomes.

The specific aim of this training is to equip water resources professionals with the practical skills and knowledge to effectively use the **WEAP (Water Evaluation and Planning) software** for integrated river basin management, enabling them to set up, calibrate, and analyze models that incorporate surface water, groundwater, reservoirs, and demand scenarios, so they can evaluate alternative strategies, address climate and pollution challenges, and make informed, data-driven decisions for sustainable water allocation.

TARGET GROUP

Officers from Central/State Government departments, PSUs, academic institutions, and other organizations engaged in water resources planning, modelling, and management.

RESOURCE PERSONS

Experts from Stockholm Environment Institute, GIZ, and National Water Academy with global and local experience in WEAP application and training.

Ms. Doreen Salazar, lead trainer, holds a Master's in Civil & Environmental Engineering from the University of California, Davis, with over 30 years' experience, including 5 years at SEI specializing in WEAP modelling and training worldwide.

Dr. Marina Mautner, co-trainer, is a water resources engineer with a PhD in Hydrologic Sciences and over 6 years' experience in hydrogeologic modelling, sustainability, and WEAP applications.

PROGRAM FEE

There is no program **fee for participants from Central and State Govt. Departments**. Charges for participants from various categories are as below:-

Category	Description	Fee in Rs.(per participant)
A.	Central/State/Local Government Depts. including their autonomous bodies:	Nil
B.	'Not for Profit' Central and State PSUs	Nil
C.	Recognized academic institutions, NGOs	1,500/-
D.	Central and State Public Sector Undertakings	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.

Payment for the programme fee, if applicable, is to be deposited with NWA before the commencement of the program. Payment is accepted through **Online / Demand Draft without deducting any TDS**. **DD drawn in favour of PAO-Ministry of Water Resources payable at Pune** or through electronic transfer in the Account details given below:

Account holder name: PAO - Ministry of Water Resources, Account No: 11382328092; IFSC Code: SBIN0001904

DURATION

The program is of five days duration scheduled during 22-26 September 2025. The participants are expected to reach NWA before 0900 hrs of 22 September 2025 and should plan to leave only after 20:00 Hrs. 26 September 2024.

VENUE National Water Academy, CWC, Pune-Sinhagad Road, Khadakwasla, Pune – 411024

PARTICIPATION

The approved nomination of the officers fitting the target profile may be sent to the Course Director latest by 08 September 2025 by email (nwa.mah@nic.in /nwa.pune@gmail.com). Also nominated officers may kindly fill in the google form for registering in the training in the link <https://forms.gle/rnTf44MvDb4vZ97i8> he nominated officers are requested to start for the program only after confirmation of their accepted nomination. The accepted nominations will be displayed on NWA's website on 10th September 2025 evening.

ACCOMODATION

The trainee officers would be accommodated in NWA hostel on applicable payment basis. Lodging & boarding charges as per government rates (about Rs.350/- per person per day) will have to be borne by the participants. Working Lunch during the training program will be provided by NWA (participants from CWC will be provided free lodging & boarding facilities). Participants will have to bear breakfast, evening snacks and dinner charges, as applicable. Airport/ Railway station pickup/drop will also have to be arranged by the trainee officers themselves.

WEATHER

September in Pune is warm (20–30°C) with occasional rain. Carry light clothing and rain gear.

CONTACT

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

Asheesh Kumar Singhal, Director & Course Director

National Water Academy, CWC, Khadakwasla R S ,Pune – 411 024

Mobile: # 9555986777 Email: nwa.mah@nic.in /nwa.pune@gmail.com