

**National Water Academy, Pune**  
 Training Program on  
**Conventional Flood Forecasting**  
 (27 – 30 April 2026)  
**REGISTRATION FORM**

Name (in capitals): \_\_\_\_\_

Designation: \_\_\_\_\_

Organization: \_\_\_\_\_

Responsibilities (in brief): \_\_\_\_\_

Full Postal Address: \_\_\_\_\_  
 \_\_\_\_\_

Tel Nos (with STD Code): \_\_\_\_\_

Email: \_\_\_\_\_

Mobile \_\_\_\_\_

Whether participating physically at

NWA or Online?

Date: \_\_\_\_\_ (Signature of the Participant)

**SPONSORING AUTHORITY**

Full Postal Address: \_\_\_\_\_  
 \_\_\_\_\_

Tel Nos (with STD Code): \_\_\_\_\_

Email: \_\_\_\_\_

Mobile \_\_\_\_\_

Date \_\_\_\_\_ (Signature and Seal)

Completed Registration Form may be sent by email to

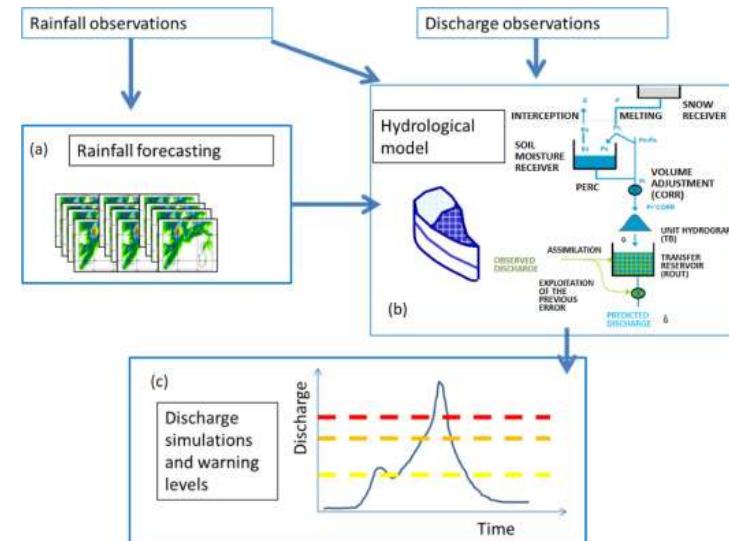
[nwa.pune@gmail.com](mailto:nwa.pune@gmail.com) / [deputydirector3-nwa@nic.in](mailto:deputydirector3-nwa@nic.in)



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



**Training Program on**  
**Conventional Flood Forecasting**  
 (27 – 30 April 2026)



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

## INTRODUCTION AND OBJECTIVE

In regions susceptible to flooding, conventional flood forecasting plays a pivotal role in mitigating risks and minimizing damages. By harnessing scientific data, historical patterns, and advanced modeling techniques, flood forecasting empowers communities, emergency responders, and policymakers to make informed decisions and take proactive measures.

Floods are the most extensive of all natural disasters. The geo-climatic conditions of India make the country prone to floods. India receives an average annual rainfall of 3880 BCM. About 75% of this is received just in four months of monsoon. Consequently, in most of the rivers almost 75-80% of annual run-off also occur in these four months. Impact of floods are huge in terms of socio-economic impact, loss of human life, damage to crops, livestock, property, public utilities, deteriorating water quality etc. resulting in huge economic losses. Though it is not possible to control the flood disaster totally, by adopting suitable structural and non-structural measures damages can be minimized. Flood Forecasting is an effective non-structural tool by giving advance warning of the magnitude of flood and its time of occurrence; and thus let concerned authorities to regulate release through a dam in manner not harmful to structure itself, and lives and properties both upstream and downstream areas; and to administrative officials to set-off a slew of measures needed for mitigating/ alleviating damages on account of flooding etc. Availability of latest, reliable, accurate and timely information is a pre-requisite for planning flood management activities. CWC has established nation-wide forecasting and warning system in all the inter-State river basins. Thus, the program has been conceptualized with an objective to building capacities of the professionals involved in the flood forecasting activities to enhance their knowledge and skills on Flood Forecasting Techniques, and effective management of floods in accordance with the guidelines and latest techniques.

## PROGRAM CONTENTS

This program will attempt to cover following aspects:

- . Introduction to Flood Forecasting & Warning
- . Flood Forecasting by Statistical Methods
- . Preparation of Travel Time (TT) and Stage Discharge (SD) Curve and its use in FF
- . Preparation of Gauge to Gauge correlation and Co-axial Correlation curves and its use in FF
- . API (Antecedent Precipitation Index) calculation and Preparation of rainfall curve with API as parameter and its use in FF
- . Introduction to rainfall Runoff Modelling for Flood Forecasting Studies along with Case Study of FF Activities
- . Formulation of Inflow Forecast
- . Preparation of Flood Forecast (FF) Bulletin & FF Appraisal Report and CWC's Flood Forecast Dissemination website

## TARGET GROUP

The program is open for all stakeholders including private organisations, consulting firms etc. Officers from CWC and State Governments Are encouraged to attend physically .

## RESOURCE PERSONS

The resource persons for the program would be subject experts from CWC, CSMRS, CWPRS, State WRD, Subject experts etc.

## PROGRAM FEES

The program will be conducted in hybrid mode.

- (i) For participation in physical mode the charges are as follows:**

Category	Description	Fees 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	1200/-
D.	Central and State Public Sector Undertakings	8,000/-
E.	Private Companies, individuals	12,000/-

**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 program 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

- (ii) For participants joining in online mode the program fee is NIL for all categories of participants. Accordingly, participants from private organisations, consulting firms etc. are encouraged to send their nominations.**

## DURATION

The program is of 4 days duration scheduled during 27<sup>th</sup> – 30<sup>th</sup> April 2026.

**VENUE:** National Water Academy, CWC, Pune-Sinhad Road, Khadakwasla, Pune – 411024

## PARTICIPATION

The nomination of the officers fitting the target profile may be sent to the Program Coordinator latest by 20<sup>th</sup> April 2026 by email ([nwa.pune@gmail.com](mailto:nwa.pune@gmail.com) ; [deputydirector3-nwa@gov.in](mailto:deputydirector3-nwa@gov.in)). The nominated officers are requested to start the program only after confirmation of their accepted nomination. The accepted nominations will be displayed on NWA's website on 21<sup>st</sup> April 2025 evening.

## ACCOMODATION

NWA has a self-contained residential campus where all out-station participants would be provided with lodging and boarding. Charges for lodging and boarding are to be borne by participants themselves. Local pickup/drop will have to be arranged by the participants.

## WEATHER

April in Pune is generally hot and dry, marking the peak of summer with daytime temperatures ranging from 25° C to 37° C.

## CONTACT

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

Shri Kumar Kushal, Deputy Director

Deputy Director & Course Coordinator

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

Mobile: # 9102303213 Email: [nwa.pune@gmail.com](mailto:nwa.pune@gmail.com) ; [deputydirector3-nwa@gov.in](mailto:deputydirector3-nwa@gov.in)

Website: <http://nwapune.gov.in>