

National Water Academy, Pune
Training Program on
Instrumentation in Dams

(28th September- 01st October 2026)

NOMINATION 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)

SPONSORING AUTHORITY

Full Postal Address: _____

Tel Nos (with STD Code): _____

Email : _____

Mobile

Date _____ (Signature and Seal)

Completed Nomination Form may be sent by email

nwa.pune@gmail.com directordes-nwa@gov.in



सत्यमेव जयते

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



Training Program on
Instrumentation in Dams
(28th September- 01st October 2026)



Organized by
National Water Academy, CWC, Pune

INTRODUCTION AND OBJECTIVE

India is home to over 6,600 specified dams, with nearly 68% of these structures exceeding 25 years of age. As these dams continue to age, their health and safety become increasingly critical for the sustainable management of these invaluable national assets. The Central Water Commission (CWC) plays a pivotal role in promoting and facilitating dam safety practices across the country, aiming to mitigate risks to life and property that could arise from potential dam failures. An effective dam instrumentation program is fundamental to this effort, providing essential insights into the structural and foundational behavior of dams both during construction and throughout their operational lifespan.

Dam instrumentation is essential not only for ensuring the structural integrity of these vital infrastructures but also for reassuring dam owners, stakeholders, and the public about the safety of these structures. Properly selected and strategically placed instruments help in monitoring key parameters, detecting any deviations from expected performance, and enabling timely interventions to prevent failures. The ability to accurately assess a dam's performance is crucial for owners who bear the ultimate responsibility for any consequences of dam failure. The CWC's commitment to enhancing dam safety practices underscores the importance of ongoing monitoring and maintenance, supported by comprehensive training programs that equip personnel with the knowledge and skills needed to manage and operate dams safely.

PROGRAM CONTENTS

- **Need and Planning of Instrumentation, Regulation**
- **Core instrumentation in dam monitoring**
- **Sensors and Instruments**
- **Instrumentation Program Case Study**
- **Retrofitting of Dams**
- **Emerging Technologies**
- **Wireless data acquisition system**
- **Measurement of Pore Water Pressures**
- **Analysis and Interpretation of Data**
- **Finite & Distinct Element Technologies**
- **Fiber optics in dam health monitoring**

This training program is designed to empower participants with the necessary expertise to effectively manage dam instrumentation and contribute to the safe operation of these critical infrastructures.

TARGET GROUP

This training is intended for the officers of Central/State Govts/ PSUs/ Dam owners working in the design, execution, operation & maintenance and safety of dams & barrages as well as stakeholders from private Organizations/ Research Institutions/ Academia/ Consultants/ NGOs etc.

RESOURCE PERSONS

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

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	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

DURATION

The 4 days duration program is scheduled for **28 September-01 October 2026**. The participants are expected to reach NWA by the evening of 27th September 2026 and should plan to leave only after 20:00 Hrs. 01st October 2026.

VENUE

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

PARTICIPATION

- The authorities of Central Govt./State Govt./PSUs/ Private Organizations/Consultants/Academia etc. are requested to send nominations of their officers/personnel in the Nomination form given in the brochure through email to nwa.pune@gmail.com / directordes-nwa@gov.in. The last date of sending nomination is **22nd September 2026**.
- All nominated and interested participants shall fill the google form given at:
<https://forms.gle/cYVeifukh8ohr5H89>
- Filling the google form is only for obtaining information by NWA. This does not guarantee the acceptance of the nomination.
- The nominated officers/personnel are requested to start their journey for the program only after confirmation of their nomination. The accepted nominations will for displayed on NWA's website on **23rd September 2026** in the evening.
- All participants whose nominations are accepted by the NWA, Pune will now be required to register on e-learning platform of NWA i.e <https://elearning.nwapune.co.in>. After completing the registration & login to the e-learning website of NWA, they are also required to enroll themselves for the program "**Instrumentation in Dams** " scheduled during **28 September-01 October 2026**. The enrollment key will be shared with the participants after their nomination is confirmed by NWA. The links for various activities of the training program as well as the presentation material will be made available on this platform.

ACCOMODATION

- The trainee officers would be accommodated in NWA hostel on applicable payment basis. Lodging & boarding charges as per government rates (about Rs.275/- 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). Other 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

In September, Pune experiences quite comfortable & pleasant weather. The average maximum temperature during the day ranges from 24 to 28 degree Celsius, while the average minimum temperature at night ranges from 16 to 22 degrees Celsius.

CONTACT

For sending nominations or for any information about this program, please contact:
Shri Vivek Kumar Verma, Director & Course Coordinator
National Water Academy, CWC, Khadakwasla R S , Pune – 411 024
Mobile: # 9140706811 Email: nwa.pune@gmail.com ; directordes-nwa@gov.in