

**Training Program on
Reservoir Sedimentation Assessment and Management
(08th-12th December 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)
Completed Registration Form may be sent by email: nwa.pune@gmail.com	



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



**Training Program on
Reservoir Sedimentation Assessment and Management
(08th-12th December 2025)**



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

INTRODUCTION AND OBJECTIVE

India ranks third globally in terms of number of large dams in operation and about 400 dams are under construction. In addition, there are several thousand smaller dams. These dams are vital for ensuring the water security of the Country. Old dams have traditionally been designed with a certain “design life”, typically 50 or 100 years, which were determined by sedimentation rate, trap efficiency, provision of sediment storage pool volume (dead storage). Eighty percent of the large dams in India are more than 25 years old and over 200 of them exceed 100 years of age. Most reservoirs are therefore gradually being filled up.

Reservoir sedimentation is a crucial issue faced by the reservoirs across the globe which are bound to suffer a loss of storage potential due to sedimentation, in due course of time. The reservoirs can be designed and operated to fill with sediment in a controlled manner, while harnessing the benefits from remaining storage over a finite period. As the ageing dams approach the end of their original design lives and depletion of their storage capacity due to sedimentation, water scarcity will be more widespread. The reservoir sedimentation is becoming a potential threat to social, environmental and economic efficacy as well as safety of the dam and reservoir itself.

One-week Training Program on “**Reservoir Sediment Assessment and Management**” has been conceptualized by NWA to provide an insight, necessary expertise and develop knowledge for preparing comprehensive plan and actions with regard to assessment and management of sediment-induced problems and contribute to the safe operation of these critical infrastructures.

PROGRAM CONTENTS

- **Life of reservoir Studies:** Sedimentation Studies
- **Sediment Yield Assessment:** Modelling Techniques & using Sediment Graph
- **Hydrographic Surveys, Recent Advancements & Bathymetry Data Analysis**
- **Soil Erosion Modelling in Watershed**
- **Case Studies of Sedimentation**
- **Satellite Remote Sensing & Its Applications:** Mapping & Monitoring of Reservoirs, Satellite Altimetry for Reservoir Water Level and Sedimentation, Assessment of Reservoir Capacity and Sedimentation using Satellite Remote Sensing, Soil Erosion and Sediment Modelling using Remote Sensing, Applications of RS & GIS for Watershed Management.
- **Sediment Management in Reservoirs:** Operational measures (Trapping and Flushing Techniques)
- **Sediment Management: Catchment area treatment of Reservoir**
- **Case Study: Sediment Management Strategies**
- **Visit:** Visit to CWPRS Modelling Centre & Khadakwasla Dam

TARGET GROUP

This training course is intended to the officers of Central/State Govts/PSUs/Dam owners/Pvt companies/Individual/NGO in the rank of JE/ AE/AEE/EE/SE or equivalent and involved in the activities of Dam Safety/Dam operation/Dam maintenance/Design unit etc.

RESOURCE PERSONS

The resource persons for the program would be subject experts from CWC, NIH, CWPRS, IIRS and other experts.

PROGRAM FEE

There is no program fee for participants from Central and State Govt. Departments. Also, Lodging & Boarding shall be FREE of charge for officers of CWC. 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 08-12 December 2025. The participants are expected to reach NWA by the evening of 07 December 2025 and should plan to leave only after 2000 hrs on 12th December 2025.

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 01st December 2025 by email (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/nRP5CbRnDU9imH8u7>. The 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 the evening of 05th December 2025.

ACCOMODATION

The trainee officers would be accommodated in NWA hostel on an 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 will have to bear breakfast, evening snacks and dinner charges, as applicable. **Participants from CWC will be provided FREE lodging & boarding facilities.**

Airport/ Railway station pickup/drop will also have to be arranged by the trainee officers themselves.

WEATHER

In December, Pune is expected to experience temperatures ranging from 15°C to 25°C.

CONTACT

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

Sh Ankit Dudeja, Director (A&C) & Course Director

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

Mobile: 9717349877 Email: nwa.pune@gmail.com