

**Training Program on  
Dam Health And Rehabilitation Monitoring Application (DHARMA)  
(21-22 May 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)

**SPONSORING AUTHORITY**

Full Postal Address

Tel Nos (with STD Code):

Email :

Mobile

Date

(Signature and Seal)

Completed Registration Form may be sent by email:

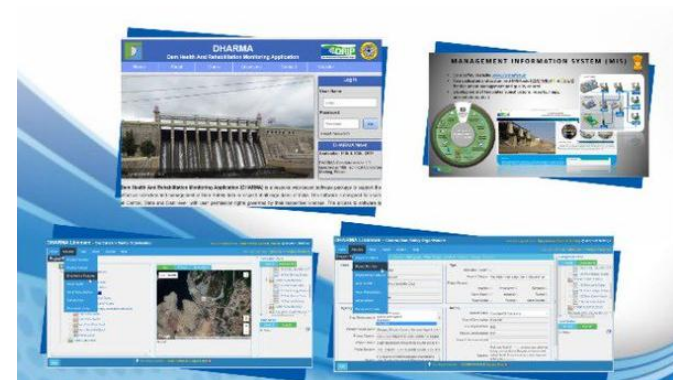
[nwa.pune@gmail.com](mailto:nwa.pune@gmail.com) / [directordes-nwa@gov.in](mailto:directordes-nwa@gov.in)



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



**Training Program on  
Dam Health And Rehabilitation  
Monitoring Application (DHARMA)  
(21-22 May 2025 )**



**Organised 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; and these also constitute a major responsibility in terms of asset management and safety. The Dam Safety Act 2021 mandates the monitoring, inspection, operation, and maintenance of dams to prevent dam failure-related disasters. Mapping of the dam complex data and dam incidences is foremost requirement to enhance dam safety and operational performance by addressing structural integrity, surveillance, maintenance, instrumentation, design intrinsic risks, natural hazard risks, emergency planning, capacity building, and physical rehabilitation.

A web-based tool called **Dam Health and Rehabilitation Monitoring Application (DHARMA)** has been developed to capture data for dams and develop rehabilitation protocols. The software, conceived by the Central Water Commission, has been designed, developed, and implemented under DRIP. This tool, licensed to states, aims to enhance the capacity of individuals and organizations to manage dam assets effectively, ensuring dam benefits and preventing disasters.

DHARMA comprises of 7 modules namely: Project Features; Project Portfolio; Engineering Features; Asset Health; Asset Rehabilitation; Stakeholders; and Document Library. The software is designed for users at Central, State and Dam level, with user permission rights governed by their respective licenses. Inbuilt Dashboard enables Dam Safety Organizations to monitor the data-entry for each dam and to pinpoint dams with critical deficiencies.

DHARMA aims to address four main challenges in dam asset management: ensuring complete information, bringing stakeholders together, effectively managing asset inventory, and assessing dam health. **DHARMA** will enable structured gathering and updating of dam asset information, overcoming limitations due to agencies, geographical spread, and inconsistent formats. It will also ensure accurate recording and maintenance of stakeholder details, enabling effective asset management across all dam projects. DHARMA Software has been enhanced to include diverse data for accurate asset management across all dam projects, based on stakeholder feedback.

DHARMA Portal has been now updated by incorporating the inputs from Stakeholders and required modifications in other parameters have also been included. Accordingly, as a part of Institutional Strengthening, capacity building of staff and officials involved in regular operation of these water assets along with is one of the important activities which is being undertaken by National Water Academy, CWC, Pune.

## PROGRAM FEE

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

Cate gory	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	600/-
D.	Central and State Public Sector Undertakings	4000/-
E.	Private Companies, individuals	6000/-

\* 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

Course fee 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 No: 11382328092; IFSC Code: SBIN0001904; Account holder name: PAO - Ministry of Water Resources. Receipt for the amount will be issued by NWA.

**RESOURCE PERSONS** The resource persons for the program would be subject experts from CWC-HQ/ NDSA/ SDSOs etc.

## DURATION

The program is of two days duration scheduled during 21-22 May 2025. The participants are expected to reach NWA by the evening of 20 May 2025 and should plan to leave only after 1900 Hrs. 22 May 2025.

## VENUE

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

## TARGET GROUP

This training course is intended to the officers of State Govts in the rank of JE/ AE/AEE/EE or equivalent and officers of Dam owners involved in the activities of Dam Safety/Dam operation/Dam maintenance etc. There is no program fee for the participants. **Participants are advised to bring their own laptops so that they can independently complete the hands-on with their data.**

## PARTICIPATION

The nomination of the officers fitting the target profile may be sent to the Program Coordinator latest by 16 May 2025 by email ([nwa.pune@gmail.com](mailto:nwa.pune@gmail.com); [directordes-nwa@gov.in](mailto:directordes-nwa@gov.in)). The nominated officers are requested to start the program only after confirmation of their nomination. The accepted nominations will be displayed on NWA's website on 16 May 2025 evening 1800 hrs.

## ACCOMMODATION

The trainee officers would be accommodated in NWA hostel on applicable payment basis. Working Lunch during the training program will be provided by NWA, CWC. Participants will have to bear breakfast, evening snacks and dinner charges, as applicable. Participants will have to make their own arrangements for travel to the NWA Guest House to attend this training program. Airport/ Railway station pickup/drop will also have to be arranged by the trainee officers themselves.

## WEATHER

In May, Pune experiences a little warm but pleasant weather. The average maximum temperature during the day ranges from 35 to 40 degrees Celsius, while the average minimum temperature at night ranges from 25 to 30 degrees Celsius.

## CONTACT

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

S K Das, Director & Course Coordinator

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

Mobile: # 9818707541

Email: [nwa.pune@gmail.com](mailto:nwa.pune@gmail.com) ; [directordes-nwa@gov.in](mailto:directordes-nwa@gov.in)