



**Online International
Training Programme**

OVERVIEW OF WATER RESOURCES (SURFACE WATER) IN INDIA

**7-10 December 2026
National Water Academy
Pune, India**

AFRICAN ASIAN RURAL DEVELOPMENT ORGANIZATION

ENSURE AVAILABILITY AND SUSTAINABLE MANAGEMENT OF WATER AND SANITATION FOR ALL

6 CLEAN WATER
AND SANITATION



THEME OF THE ONLINE PROGRAMME

OVERVIEW OF WATER RESOURCES (SURFACE WATER) IN INDIA

Sponsoring Organization

AFRICAN ASIAN RURAL DEVELOPMENT
ORGANIZATION (AARDO)

Training Institute (Host)

NATIONAL WATER ACADEMY, PUNE, INDIA

Duration

07 TO 10 DECEMBER 2026

for 04 days (08 hours)
with 2 hours session on each day.

Session Timing

2:00 PM to 4:00 PM
(Indian Standard Time GMT+5:30)
(Please Check Local Time Zone)

Virtual Platform (Software)

Zoom Software

Deadline for Application

15 NOVEMBER 2026

INTRODUCTION

Water is one of the world's most valuable natural resources and forms the foundation of sustainable development, food security, environmental sustainability, and socio-economic growth. However, increasing water demand, rapid urbanization, climate variability, pollution, and growing pressure on freshwater resources have made effective water resources management a global priority. Addressing these challenges requires scientific planning, innovative approaches, adoption of modern technologies, and strengthened institutional capacities.

Surface water resources play a crucial role in meeting the needs of agriculture, industry, domestic water supply, hydropower generation, and ecosystem conservation. Their sustainable planning, development, and management demand sound technical knowledge, informed decision-making, and the application of advanced tools and technologies.

Recognizing the importance of international cooperation and capacity building, National Water Academy (NWA), Central Water Commission, Government of India, in collaboration with African-Asian Rural Development Organization (AARDO), is organizing an Online Training Programme on "Overview of Water Resources (Surface Water) in India" for officials and professionals from AARDO Member Countries.

THE MAIN OBJECTIVES OF THIS PROGRAM

The programme aims to provide participants with an overview of India's experience in the planning, development, and management of surface water resources. It will also serve as a platform for sharing knowledge, best practices, innovative technologies, and practical experiences among participating countries, thereby strengthening professional capacities and fostering regional cooperation for sustainable water resources management.

COURSE CONTENTS

The Program will tentatively cover the following broad topics during the four days

- ♦ Provide an overview of the water resources sector in India and its institutional framework.
- ♦ Familiarize participants with the principles of hydrology and their application in the planning, design, and management of water resources projects.
- ♦ Enhance understanding of water quality monitoring, assessment, and management practices.
- ♦ Introduce the application of Remote Sensing and Geographic Information Systems (GIS) in surface water resources planning and management.
- ♦ Provide exposure to hydrologic and hydraulic modelling using HEC-HMS and HEC-RAS for effective water resources planning and flood management.
- ♦ Promote knowledge sharing, exchange of experiences, and professional networking among participants from AARDO Member Countries.

OUTLINE OF THE PROGRAMME

- Basics of hydrogeology to integrated water resources management.
- Dissemination of groundwater domain knowledge and techniques.
- Innovations of the Central Ground Water Board (CGWB), which the organization has gained or developed through various surveys, explorations, and assessments in the field of groundwater across the country.

MEDIUM OF COMMUNICATION

The medium of communication is English only. The participants are expected to have a good working knowledge of English

TARGET AUDIENCE

Officials, engineers, professionals and experts from AARDO Member Countries working in water resources planning, irrigation, river management, environment and allied sectors.

ESSENTIAL QUALIFICATIONS

Bachelor Degree with a considerable working experience in planning and executing programmes ;

- Must be subject specialist and related to the programme;
- Proficiency in English, as the medium of instruction is English only; and
- Must be conversant with ICT and willing to undertake online training course

SELECTION OF PARTICIPANTS

The participants of the training programme will be selected by AARDO and RGNGWTRI. Thereafter, selected participants will be provided with login ID and password to access the programme.

HOW TO APPLY:

Step 1:

- Log on to the link: <http://aardo.org/formDD.php>

Step 2:

- Fill up the details and submit. Take print out of the filled in application form.

Step 3:

- Applicants are required to sign their applications and send them along with the recommendation letter of the Nodal Ministry of AARDO/Centre of Excellence to our email: iec@aardo.org

CERTIFICATE

E-Certificate authenticated with signature of H.E. Secretary-General, AARDO and Head of NWA, will be provided after the successful completion of the training programme.

WHATSAPP COMMUNICATION

WhatsApp communication will be established among the participants, host institute and AARDO for faster communication and information sharing.

ABOUT THE HOST TRAINING INSTITUTE (NATIONAL WATER ACADEMY (NWA), PUNE, INDIA)

National Water Academy (NWA), Pune under Central Water Commission, which is an attached office of Department of Water Resources, RD & GR (DoWR, RD & GR), Ministry of Jal Shakti is functioning as 'Centre of Excellence' in the field of training and capacity building of professionals and all other Stakeholders working in Water Sector. NWA conducts Training & Capacity Building programs in the field of Water Resources Development and Management; emerging technologies, purpose-oriented training; Mass Awareness Programs for School Teachers; NGOs; Media Professionals, PRI's etc; Demand Based Programs for Indian and Foreign Nationals etc. NWA is headed by Chief Engineer and has eight other core faculty members. The core faculty comprises of CWES (Central Water Engineering Services-Group 'A') officers who have long practical experience in Water Resources Development and Management. Since its establishment, in May 1988, the Academy periodically assessed the training



needs in water sector of India and kept adding in it's user base(s), disciplines, pedagogy and institutional linkages. In 2012, NWA was recognized as "Regional Training Centre" of the World Meteorological Organisation (WMO) and started conducting programmes in Distance Learning mode, on regular basis for participants from South Asian countries.

IMPORTANT NOTES:

- ⇒ Application without recommendation of the AARDO's Nodal Ministry/ Center of Excellence in participant's country will not be considered.
- ⇒ Application, duly completed, must reach the AARDO Secretariat before or on the closing date, **15 NOVEMBER 2026**.
- ⇒ Due to limitation of number of participants, only selected candidates would be intimated through the Nodal Ministry and AARDO's Centres of Excellence.
- ⇒ Selected candidates will be required to actively attend all the live sessions of e-training programme to be eligible to obtain e-certificates.

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