About CW&PRS

Established in 1916, the Central Water and Power Research Station (CW&PRS), Pune, is the premier National Institute devoted to water and power resources development and water-borne transport. The scope and magnitude of the services offered by CW&PRS cater to the research and development needs of the country. As the UN recognized Regional Laboratory for ESCAP region, CW&PRS has offered its services in following major disciplines.

- River Engineering
- River and Reservoir System Modeling
- Reservoir and Appurtenant Structures
- Coastal and Offshore Engineering
- Foundation and Structures
- Applied Earth Sciences
- Instrumentation, Calibration & Testing Services

For more details about CW&PRS, please visit www.cwprs.gov.in

Venue and Date

The offline training course will be held between 1000 hrs to 1700 hrs from 2 - 4 November, 2026 at Central Water & Power Research Station (CW&PRS), Khadakwasla, Pune-411024.

Target Group

The training course is intended for Serving Engineers of Government departments / PSUs, Professionals / practicing and design engineers, Post Graduate Students, Academicians and Researchers.

Registration

Interested participants can register themselves by sending the registration form attached with the brochure to Coordinator on or before 26th of October 2026 along with training course fees in the mail provided in the brochure.

The total number of participants is restricted to 25.

Fees Structure:

The registration fee for Central/ State Govt., PSU, Colleges etc. is Rs.6000/-, for private Institutions/ Companies the fee is Rs.7500/- and for bona fide students sponsored by colleges and educational institutions the fee is Rs.3000/- only. The Demand Draft towards registration fee may be drawn in the name of Pay & Accounts Officer, CW&PRS, Pune" payable at the State Bank of India, Pune-411001, Treasury Branch (Code No. 1904).

Accommodation:

Limited accommodation is available in CWPRS guest house and accommodation will be provided at CWPRS guest house on first-come, first-served basis. The participants may have to stay on twin sharing basis. The participants are requested to arrange own transport facility from Airport/Railway station/Bus stand to CWPRS.

For any further information, please contact:

1) **Course Coordinator:**
Shri M.S. Bist, Scientist 'D'
Ph.No. 020-24103313/9421057659
Email: msbist1974@cwprs.gov.in

2) **Co–Coordinator:**
a) Shri Sampath Srikanth, Scientist 'D'
Ph.No.020-24103382/9494252452
b) Shri Vinesh Katte, Scientist 'C'
Ph No. 020-24103278/9421057632

3) **Training Management Cell**
Ph. No: 020-24103363
CW&PRS, Khadakwasla, Pune-411024 Email: cwprstraining@gmail.com

Goverment Of India

Offline
Training Course on
"Instrumentation for Surface Water Monitoring and Reservoir Bathymetry Survey Techniques"

Date: 2 – 4 November 2026

Government of India
Ministry of Jal Shakti
Department of Water Resources,
River Development and Ganga Rejuvenation
Central Water & Power Research Station
Khadakwasla, Pune–411024
Dr. M. Selva Balan
Director

Preamble

The reservoirs are the backbone of the water resources system which need constant monitoring and remedial measures if affected. The major cause of the reservoir capacity loss is due to sedimentation process which is naturally occurring process and not yet quantified. The true depth and capacity assessment is possible with the advent of DGPS based integrated bathymetry technology. CWPRS is a pioneer institute with multi domain expertise in this field and have carried out bathymetry sedimentation survey of more than 40 major reservoirs across India. There would be demonstration of the bathymetry system, AWLR Facility, IP Laboratory and allied hydraulic instruments/SCADA system installed in models. The training will provide an overall idea of AWLR, ADCP, SLDCP, Bathymetry techniques, data processing and reporting the data with available open-source software.

Course Objective

The objective of the course is to disseminate knowledge related to advance instruments techniques like Automated water Level Recorder (AWLR), SLDCP to measure real time discharge through lined Canals accurately. Functionality of ADCP. It will also include instrumentation and efficient hydrographic survey techniques for the assessment of reservoir sedimentation, its capacity & different methods to be taken for enhancing the original capacity. The present training course is being organized to share the field experiences with site engineers, research scientists and to discuss various problems faced due to sedimentation survey and related issues hydraulic structures.

Course Content

The training course will provide the state-of-the-art information through a series of lectures by CW&PRS experts about AWLR to monitor Surface water accurately, discharge measurement using SLDCP, ADCP. Reservoir capacity and sediment measurement using bathymetry survey, which will cover theory as well as demonstration as a part of the training course.

Key Highlights of the course:

- Advance Instruments Techniques (AWLR, SLDCP)
- Discharge measurement using ADCP & Radar Gun
- Bathymetry Survey -Reservoir capacity & Area – Elevation curves, sedimentation yield, rate etc.
- Demonstration of Bathymetry survey equipment
- Data analysis using EIVA, IGIS and Surfer software
- Hydraulic Instrumentation and Automatic Tide Generating System (ATG) system in physical models
- Visits: AWLR Facility, Canal Automation Laboratory, IP Laboratory, Physical Models at CWPRS.
- Pannel Discussion on case studies of Bathymetry survey, field inspections AWLR & Canal discharge measurement

Participation

The nomination of the participants may be sent to the program coordinator latest by 26th October 2026.

Registration Form

(In word & PDF format only send through mail)

Name: _____

Designation: _____

Organization: _____

Mailing address: _____

_____

Tel: (Off.) _____(Res.) _____

Mobile No. _____

Fax: _____

E-mail: _____

Enclosed please find DD No.: _____

Dated: _____for Rs. _____drawn on

_____towards registration fees or Bharat Kosh

Payment details _____

_____

Accommodation required: Yes / No

Date: (Signature of the Participant)