



National Workshop PreciSense 2026

*Reliable Hydrometric Data through
Precise Sensing*

Date: 22nd-23rd January, 2026

Venue: Central Water & Power Research Station (CWPRS), Pune



Organised by
Central Water & Power Research Station (CWPRS), Pune
In Association with
The Indian Society for Hydraulics (ISH)

About Central Water & Power Research Station (CWPRS)

Established in 1916, CWPRS is India's premier institution for hydraulic research, providing scientific solutions for sustainable water resource management and resilient infrastructure. With expertise in river engineering, coastal management, and dam safety, CWPRS has played a key role in shaping the nation's water landscape. In response to emerging challenges like climate change, it has expanded its capabilities with state-of-the-art facilities for testing and calibration of hydro-meteorological and water quality sensors. Blending a legacy of innovation with modern infrastructure, CWPRS continues to lead in advancing water security and sustainable development at both national and international levels.

About Indian Society of Hydraulics (ISH)

The Indian Society for Hydraulics (ISH), Pune, established in 1992, is a non-profit national organization that provides a platform for engineers, scientists and professionals involved in hydraulics, water resources and coastal engineering. It promotes knowledge sharing through seminars, symposia and publications such as the *Journal of Hydraulic Engineering* and the biannual online *ISH Newsletter*. The Society encourages members to stay updated with national and international developments, fosters collaboration with global bodies like the International Association for Hydraulic Research (IAHR) and recognizes outstanding contributions in the field through awards.

Role of CWPRS in National Hydrology Project

The National Hydrology Project (NHP) is a Central Sector Scheme implemented by the Ministry of Jal Shakti, Government of India with World Bank assistance, for the duration 2016–2024. The project aimed at improving the availability, reliability and accessibility of water resources data to support scientific, evidence-based decision-making in water resource planning and management. In this, **CWPRS** being one of the central implementing agencies was bestowed with the responsibility of establishing Testing, Calibration & Certification Facility (TCCF) for hydrometric equipment. This has turned out to be **India's Premier Hub for Precision Measurement for Hydrometric Equipment** in compliance with the ISO 17025/2017.

Relevance of Workshop

The “**PreciSense - 2026**” workshop is a focused initiative taken by CWPRS aimed at enhancing technical capacity in the domain of hydrometric instrumentation. The event will bring together water resources policy makers, practitioners, field engineers, researchers, technical experts and original equipment manufacturers for knowledge exchange and hands-on exposure to sensor calibration, testing and interpretation techniques.

As climate variability increases, the pressure on India's water resources, the need for accurate data, real-time monitoring and sensor reliability becomes critical. This workshop offers a platform to align stakeholders on best practices, standards and innovations in the field.

Objectives

- To create awareness regarding necessity of testing and calibration for reliable data acquisition for strategic water management.
- To showcase CWPRS's state of art testing and calibration facilities for hydrometric and meteorological equipment.
- To facilitate knowledge sharing, collaborative research, innovation among domain experts, stakeholders and institutions for informed decision-making and technological advancement.
- To exhibit cutting-edge technologies, innovations and solutions for advancing water resources management and sustainability.

TCCF Facilities at a Glance

The state-of-the-art TCCF Facilities at CWPRS is revolutionizing water resources management by delivering accurate, reliable and real-time hydrometric data. Designed to support the growing demand for precise water information, TCCF enables scientists, engineers and water managers to address complex hydrological and climate challenges with high technical precision. This CWPRS's facilities provide advanced testing and calibration services for a wide range of monitoring equipment.

State of art Testing and Calibration Laboratories

- Meteorological Sensor
- Groundwater Levels Sensors
- Water Quality Sensors
- Data Logger and Telemetry
- Current Meter Calibration Laboratory
- Surface Water Level & Flow Sensors
- Ingress Protection Testing Laboratory
- Hydraulic Machinery

Model Facility for Hydrometric Sensors

- Automatic Weather Station
- Groundwater Level Piezometer
- Surface Water Level Sensor Station

By upholding the highest standards in sensor accuracy and data integrity, the TCCF strengthens operational decision-making and fosters a data-driven approach to water resilience. More than a laboratory, it serves as a strategic asset for national sustainability, capacity building, innovation and water governance.

PARTICIPATION

The Workshop will be of interest to the Implementing Agencies of the National Hydrology Project, Scientists, Researchers, Engineers, Regulatory Bodies, Government Departments, Policymakers, Original Equipment Manufacturers, Suppliers and Consultants working in the water resources engineering & management and allied sectors.

Interested participants may register by filling the Google form along with the online payment of registration fee in the following link <https://forms.gle/rwwLENBafnLw39GP7>.

Registration Fee:

Rs. 4000/- per person

Last date of Delegate registration:

10.01.2026

Accommodation

Accommodation at CWPRS/ NWA guest houses on first cum first serve basis as per the availability. Nearby logistic details can be provided on request.

Payment Details

Bank: CANARA BANK

Account Name: THE INDIAN SOCIETY FOR HYDRAULICS

A/c No.: 2580101000822

Branch: KHADAKWASLA, PUNE

Swift Code: CNRBINBBPFD

IFSC Code: CNRB0002580 (used for RTGS, IMPS and NEFT/UPI transactions)

MICR Code: 411015022

Level	Fee	Benefit/Complimentary Included Items
Platinum	Rs. 3,00,000/-	5 free delegates, 1 stall, presentation for 10 min, Standee at prominent locations, logo display on flex, digital prints.
Golden	Rs. 2,00,000/-	2 free delegates, 1 stall, presentation for 5 min, standee at prominent locations, logo display on flex, digital prints.
Silver	Rs. 1,00,000/-	2 free delegate, standee at prominent location, logo display on flex, digital prints.

Exhibition Stalls

Standard size	3 m x 3 m x 2.4 m	Rs. 60,000/-
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Patron

Dr. Prabhat Chandra
Director, CWPRS

ORGANISING COMMITTEE

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