

About CWPRS

The Central Water and Power Research Station (CWPRS), Pune, established in 1916 is a leading National Hydraulic Research Institute under the Ministry of Jal Shakti, Department of Water Resources, River Development and Ganga Rejuvenation, Government of India catering to the R&D needs of hydraulics and allied disciplines. The research activities at CWPRS majorly encompass following disciplines: River Engineering, River and Reservoir Systems Modelling, Reservoir and Appurtenant Structures, Coastal and Offshore Engineering, Foundation and Structures, Applied Earth Sciences, Instrumentation, Calibration and Testing Services.

The institute undertakes specific research studies through physical, numerical model studies, field and laboratory investigations for evolving safe designs of hydraulic and maritime structures.

CWPRS is recognized as the regional laboratory of the Economic and Social Commission for Asia and the Pacific (ESCAP) since 1971. The institution, with multi-disciplinary approach in its activities, thus provides unique services to the country and the ESCAP region. CWPRS is an ISO 9001:2015 certified organization.

About IGS, Pune Chapter

The Indian Geotechnical Society (IGS) aims to promote collaboration among engineers and scientists to enhance & disseminate knowledge in the fields of Soil Mechanics, Foundation Engineering, Soil dynamics, Engineering geology, Rock mechanics, Snow and ice mechanics and related fields, including their practical applications. The IGS serves as a shared platform for researchers, academicians, designers, construction engineers, equipment manufacturers & others interested in geotechnical activities.

IGS, Pune Chapter was inaugurated on 3rd April 2004. Since then it has been instrumental in dissemination of knowledge by serving as a platform for geotechnical professionals to engage in exchange of ideas and sharing of experiences by organizing technical meetings, workshops and conferences.

Relevance of the Seminar

India in-spite of being 3rd largest dam owning country of the world which have been built over the decades to ensure water storage, irrigation & power generation faces increasing dependence on water & hydropower for sustainable development. CWPRS has been instrumental in developing of these hydraulic structures by solving complex challenges aroused during planning, design & construction stages & offering techno feasible & economical solutions in the last 110 years. However, the structural integrity & operational safety of these structures becoming a pressing concern as these dams are developing age-related structural discrepancies. To address these issues, the Government of India launched the Dam Rehabilitation & Improvement Project (DRIP) & successfully completed Phase I. Based on the success of Phase I, now Phases II & III are being implemented with a vision to enhance dam safety nationwide by 2031. Complementing this, the Dam Safety Act, 2021, mandates regular safety assessments & proposes a national dam ranking system based on well-defined safety parameters. CWPRS, actively involved in DRIP Phase I & contributed in successful rehabilitation of Hirakud, Massanjore & many more dams. CWPRS now seeks to disseminate its insights, experiences and solutions that have been instrumental in dam rehabilitation gained from real-world dam rehabilitation projects across India with professionals involved in the management, technical evaluation and administration of dams and powerhouse through this seminar.

Topics Covered

- Present status of hydro power projects in India
- Structural evaluation of concrete dams by instrumentation data and Finite Element Methods
- Structural safety assessment of earthen dams by numerical modeling and rehabilitation measures
- Latest NDT methods for structural health assessment
- State-of-the-art geophysical investigations and their applications
- Evaluation of seismic parameters and their significance in dam safety assessment
- Field investigations by tracer studies and flat jack tests for evaluation of engineering parameters
- Identification of suitable repair materials for concrete and masonry dams
- Dam break analysis
- Hydraulic modelling of various components of hydro power projects

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Keynote Speakers

Distinguished Personalities from Government Organisations and Industry

PARTICIPATION

The organizers invite working professionals in Government, Private and Public Sectors; Consultants, Academia, Faculty and Students working in hydro power, dam, irrigation and other allied sectors for participation in the seminar.

Interested participants may register themselves by filling the google form along with online payment of Registration Fees, visit: <https://forms.gle/Hs7qwRFxdYNNnfQP7>

Last Date for Registration: 15th August 2025

Accommodation

Participation Fee: ₹5000/- per Delegate

Accommodation at CWPRS/NWA Guesthouses can be provided to interested delegates on payment and first come first serve basis as per the availability.

SPONSORSHIP OPPURTUNITIES

Category	Amount	Deliverables
Platinum	₹5,00,000/-	5 free delgates, 2 stalls, presentation for 10 min, 3 Standees at prominent locations, logo display on flex, digital prints
Gold	₹3,00,000/-	3 free delgates, 1 stall, presentation for 7 min, 2 standees at prominent locations, logo display on flex, digital prints
SILVER	₹1,00,000/-	1 free delegate, 1 stall, presentation for 5 min, 1 standee at prominent location, logo display on flex, digital prints

EXHIBITION STALLS

Standard size	3 m x 3 m x 2.4 m	₹50,000/-
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