

INFORMATION BULLETIN

TRAINING PROGRAMME

Capacity Building Programme on Pumped Storage Hydropower Projects (PSPs)



4 - 6 Nov. 2026



RENEWABLE
ENERGY



HYDRO
POWER



SMALL
HYDRO



TRANSMISSION



Conference Hall, CBIP
Malcha Marg, Chanakyapuri,
New Delhi

Organised by



CBIP
NEW DELHI

Supported by



CEA

ANNOUNCEMENT

The Central Board of Irrigation and Power, New Delhi is organizing a Training Program on **“Capacity Building Programme on Pumped Storage Hydropower Projects (PSPs)”** on **4-6 November 2026** at Conference Hall, CBIP, Malcha Marg, Chanakyapuri, New Delhi. The Program is being supported by Central Electricity Authority (CEA).

INTRODUCTION AND ABOUT THE PROGRAMME

With the rapid expansion of renewable energy in India, Pumped Storage Hydropower Projects (PSPs) have emerged as one of the most effective and reliable energy storage solutions for ensuring grid stability, peak load management, renewable energy integration, and long-term energy security. As India moves towards achieving its ambitious renewable energy targets and Net Zero commitments, PSPs are expected to play a pivotal role in balancing the intermittency of solar and wind power while enhancing the flexibility, resilience, and reliability of the national power grid.

The successful development of PSPs requires multidisciplinary expertise encompassing policy and regulatory frameworks, techno-economic feasibility, hydrological investigations, geological studies, environmental and forest clearances, engineering design, construction methodologies, electro-mechanical equipment, grid integration, operation and maintenance, financing, and risk management. Considering the increasing number of PSPs under planning and implementation across the country, there is a growing need for capacity building among utilities, developers, consultants, regulators, and other stakeholders.

Recognizing this emerging requirement, CBIP has designed this three-days intensive Training Programme on Pumped Storage Hydropower Projects (PSPs) to provide participants with a comprehensive understanding of the complete project lifecycle—from project identification and planning to design, statutory approvals, construction, commissioning, operation, and maintenance. The programme will also cover the policy, regulatory provisions, environmental and social safeguards, financing mechanisms, technological advancements, and emerging best practices adopted in successful PSPs in India.

The programme will bring together experienced professionals, policymakers, developers, consultants, utility engineers, equipment manufacturers, and technical experts from the hydropower sector to share practical insights, case studies, lessons learnt, and innovative solutions for successful implementation of PSPs. It will serve as an excellent platform for knowledge sharing, technical discussions, and networking among stakeholders involved in the planning, development, and operation of pumped storage project.

BROAD CONTENT OF THE PROGRAMME

- Policy, Planning and Regulatory Framework, Tariff structures for PSPs.
- Sequential statutory clearances including Environmental, Forest and Techno-Economic Clearances.
- Land Acquisition, Social Impact Assessment, Rehabilitation and Resettlement (R&R).
- Government policies for the development of Pumped Storage Projects.
- Developer's perspective on PSP development under the current policy framework.
- Integration of Pumped Storage Projects with Renewable Energy.
- Civil infrastructure, including site selection, upper and lower reservoirs, water conductor systems and hydro-mechanical equipment.
- Selection and design considerations for electro-mechanical equipment.

Programme Objectives

The programme aims to:

- Enhance understanding of Pumped Storage Hydropower Projects.
- Familiarize participants with current policy and regulatory frameworks.
- Explain statutory approvals and project development processes.
- Discuss engineering aspects of civil and electro-mechanical systems.
- Understand land acquisition, environmental and social issues.
- Explore integration of PSPs with Renewable Energy.
- Share developers' experiences and best practices.

Who Should Attend?

This programme is intended for **Professionals** from State & Central Power Utilities, Hydropower Developers, Renewable Energy Organizations, Engineering Consultants, Government Departments, Regulatory Bodies, Project Planning & Design Engineers, EPC Contractors, Academic & Research Institutions.

Date and Venue

The training will be held on 4- 6 November 2026 at CBIP Conference Hall, New Delhi.

The training timings will be 10.00 AM to 5.30 PM for all three days. The registration will start at 9.00 AM on 04th Nov 2026.

Course Fee

All those who wish to participate in the training program are expected to register in advance by sending the details through email to the organizers along with payment of registration fee as indicated under:

1. Non – Member fee is Rs. 18,000/- per participant
2. Discounted fee for members of CBIP is Rs. 16,000/- per participant
3. Special Discounted fee for students is Rs. 8,000/- per student

GST @ 18% shall be charged extra GST No. 07AAAJC0237F1ZU

The Registration fee covers the registration kit, tea/coffee/lunch during the training. The training program is non-residential. Participants will have to make their own arrangements for travel, boarding and lodging etc.

All payments be made through cheque at par in favour of „Central Board of Irrigation & Power“, payable at Delhi or amount deposited/ transferred to HDFC Bank

CBIP A/c no. 00031110004411, MICR No. 110240001, Swift Code : HDFCINBBDEL, IFSC: HDFC 0000003

Address: 209-214, Kailash Building, 26 Kasturba Gandhi Marg, New Delhi – 110001

The Name of the event should be mentioned under subject in all the correspondence relating to this event. Also after making of the payment online in respect of the event, the details like UTR/Organization name to be furnished immediately.

About Faculty

The programme will be delivered by a panel of eminent experts having over 35–40 years of extensive experience in the planning, design, construction, commissioning, operation, and maintenance of Hydropower and Pumped Storage Hydropower Projects (PSPs). The faculty comprises former senior professionals from organizations such as CEA, NHPC, THDC, Grid India, CWC, State Utilities, Pvt utilities, reputed manufacturing firms. They possess rich expertise in civil, electrical, mechanical, hydro-mechanical, geological, environmental, and project management aspects of PSPs and will share practical insights, case studies, best practices, recent technological developments, and lessons learned from major hydropower and pumped storage projects in India.

CBIP Key Officers

Dr Deepak Saigal, Secretary, CBIP

Shri Sandeep Kumar, Director(WR), CBIP

Shri Anoop Singh, Director (Energy),CBIP

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Website : www.cbip.org

Training Program
**Capacity Building Programme on Pumped Storage
Hydropower Projects (PSPs)**

**4-6 November 2026, CBIP Conference Hall,
New Delhi**

REGISTRATION FORM

1. Name _____
(First Name) (Middle Name) (Surname)
2. Position _____
3. Organization _____
- Address _____
5. City _____ PIN _____
6. Mobile No. _____
7. E-mail ID _____
8. I intend to participate in the deliberations of the Training programme.

(Signature)

Place: _____

Date : _____

SECRETARIAT

CBIP, Plot No. 4, Institutional Area, Malcha Marg, Chanakyapuri, New Delhi-110 021
Phone: 91-11-26115984 / 26116567