



Curtain Raiser for ICOLD 2024 Event

National Workshop on

Sedimentation Management in Reservoirs for Sustainable Development

2nd-3rd, May. 2024 (Thu-Fri)

Institution of Engineers (India), Engineers Bhawan, Chandigarh



Bhakra Dam

Organized
by



INCOLD

In association
with



BBMB

ICOLD 2024 - Sponsors



BBMB



SJVN



NEEPCO



WRD Maharashtra



Member of the Surbana Jurong Group



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Dam Rehabilitation & Improvement Project

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INTRODUCTION

Sedimentation management in reservoirs is a critical aspect of sustainable development and plays a vital role in ensuring the long-term viability and functionality of reservoir systems. Reservoirs are essential for various purposes, including water supply, irrigation, hydropower generation, flood control, and recreation. However, over time, reservoirs accumulate sediment, which can have adverse impacts on their storage capacity, water quality, and overall ecosystem health. Effective sedimentation management strategies are necessary to mitigate these challenges and promote sustainable development.

As sediment accumulates, it reduces the available storage capacity, leading to a decrease in water supply and increased risk of flooding during high precipitation events. To address these challenges, sedimentation management focuses on implementing measures to minimize sediment deposition, control erosion in upstream catchment areas, and effectively manage sediment within the reservoir. Sustainable sedimentation management aims to strike a balance between human needs for water resources and the preservation of the ecological integrity of river systems. For sedimentation management, several approaches and techniques are employed like Sedimentation Monitoring and Modelling, Sedimentation Control Structures, Sediment Flushing and Releases, Sediment Dredging and Watershed and Land Management Practices.

By adopting sustainable sedimentation management strategies, reservoirs can continue to meet the increasing demands for water resources while preserving the ecological health of river ecosystems and ensuring long-term sustainable development.

INCOLD in association with CBIP and BBMB is going to conduct its sixth curtain raiser workshop on “Sedimentation management in Reservoirs for Sustainable Development” and arrangement of interactive technical visit to Bhakra Dam.

ABOUT BBMB

BBMB is a Statutory body constituted under Punjab Reorganization Act, 1966 for managing Bhakra-Nangal & Beas Projects. BBMB is an interstate body with Punjab, Haryana, Rajasthan & Himachal Pradesh as partner/ beneficiary states utilizing/regulating waters of three eastern rivers i.e. Sutlej, Beas & Ravi.

BBMB has an installed capacity of 2954.73 MW - the third largest installed hydro power capacity in India. BBMB also transmits Power in the Northern Grid through a widespread network of 3751.96 Ckt. Km. of 400, 220, 132 and 66 kV transmission lines. BBMB maintains some of the largest water reservoirs in the country such as Bhakra and Pong Dam reservoirs and also operates 98 Km. long water conductor system including channels & tunnels. Bhakra – Nangal & Beas Projects have been harbinger of green & white revolutions, rapid industrialization & urbanization in Northern Region, besides protecting the downstream areas from ferocious floods.

ABOUT THE INCOLD

The Committee for International Commission on Large Dams, (INCOLD) is the Indian Committee interacting with ICOLD Central Office in Paris and helps in dissemination, in India, of information about new developments in dam engineering, besides projecting India's expertise at international level through participation in various events of ICOLD. Indian experts are many a time invited to officiate as members of ICOLD Committees on specialized topics. Presently Indian representatives are members in 19 technical committees out of 27 committees of ICOLD. INCOLD is honoured for hosting the 92nd annual meeting and international symposium at New Delhi.

TOPIC BEING COVERED BUT NOT LIMITED TO:

Topics for the Sedimentation Management in Reservoirs for Sustainable Development.

- Sedimentation Management, overview, Issues and challenges.
- Reservoirs trap sediment, losing storage capacity.
- Sediment Management at Run-of-River Head works.
- Watershed Management / Catchment area management.
- Design solutions for siltation and erosion.
- Hydraulic research and modelling-Flow Dynamics, Numerical Modeling, Sediment Transport Modeling, Reservoir Morphodynamics and Risk Assessment.
- Sediment Management Strategies - Sediment dredging, Sedimentation monitoring and Modeling, Sediment Flushing, Reservoir Maintenance & Operation Strategies and Sediment Recycling.
- Environmental Impact Assessment.

- Policy and Regulation for Sustainable Sediment Management.
- Emerging Technologies for Sediment Management.
- Reservoir Sustainability Best Practices Guidance.

PRESENTATIONS BY EXPERTS:

The Eminent Dam Industries experts including Academia have been invited to deliver expert lectures during the workshop. The professionals who desire to present the case studies or presentation on the above subject are also welcomed. Speakers are requested to send their presentation /case studies / papers to the organizers in advance positively by 23rd April 2024.

OFFICIAL LANGUAGE

English will be the official language of the Workshop.

DATES AND VENUE

The workshop will be held on 2nd, May. 2024 (Thu) at Institution of Engineers (India), Engineers Bhawan, Sector 19, Chandigarh and is followed by interactive technical visit to Bhakra Dam, BBMB, on May 03rd, 2024 (Friday), aimed at providing maximum exposure and practical knowledge to the attendees.

SUBMISSION OF TECHNICAL PAPERS/PRESENTATION/CASE STUDIES

Experts who desire to submit technical papers, presentation or case studies on above topics or any other related topics are welcome to submit the same by 23rd April, 2024.

REGISTRATION FEE

The registration fee payable, per delegate, including authors of papers, for participation in the Workshop is as follows:

	Fees	
	Members	Non-Members
Members of INCOLD / CBIP	INR 12,500/-	INR 15,000/-

GST @18% will be charged extra on Registration Fee.

After making the payment online in respect of the event, the details like UTR/Organization name to be furnished immediately.

The registration fee covers the cost of registration kit, lunch and tea in-between the technical sessions and a interactive technical visit to Bhakra Dam, BBMB.

- Notes :**
1. Participants will have to make their own arrangement for travel, boarding and lodging, etc.
 2. Last date for receipt of Registration Form is 26th April 2024. Spot registration facility will also be available, provided prior information is received.

SPONSORSHIP OPPORTUNITY

The Workshop provides an effective opportunity for organisations/companies to sponsor/support the Workshop under following categories:

Category	Amount	Benefits
Sponsor	INR 2,00,000#	<ul style="list-style-type: none"> • Complimentary registration upto five representatives • Distribution of promotion literature among the participants through the registration kit • Table top display of products/services • Company name and logo on Information Bulletin, banners, etc
Co-Sponsor	INR 1,50,000#	<ul style="list-style-type: none"> • Complimentary registration upto three representatives • Distribution of promotion literature among the participants through the registration kit • Company name and logo on Information Bulletin, banners, etc
Supporter	INR 1,00,000#	<ul style="list-style-type: none"> • Complimentary registration upto two representatives • Company name and logo on Information Bulletin, banners, etc

#GST @18% (as per Reverse charge Mechanism)

PAYMENTS

The fee can be paid by cheque to be drawn in favour of “Committee for International Commission on Large Dams, India” or by bank transfer to the following account:

Bank Details for arranging Payment:

Name of Bank: Canara Bank, Delhi Diplomatic Enclave, 7/48,
Malcha Marg, Chanakyapuri, New Delhi 110021

- Account No. 0157101031509 • MICR Code No. 110015007
- Account Holder Name: “THE COMM FOR INCOLD”
- IFSC Code: CNRB0000157 • Swift Code: CNRBINBBDFS

SECRETARIAT

All correspondences relating to the Workshop should be addressed to:

Mr. A.K. Dinkar, Secretary

Central Board of Irrigation & Power, Malcha Marg, Chanakyapuri, New Delhi 110 021, India

Contact Persons: Mr. K.K. Singh, Director (WR)

Mr. Pradeep Kumar Singh (M : 9557814691) Mr. Kamal Kumar (M : 8826434222)

Phone : +91-11- 2611 1294/2687 5017, Fax : +91-11-2611 6347

E-mail: kksingh@cbip.org; kamal@cbip.org; pradeepsingh@cbip.org;

contact@incold.co.in; Website:www.icold2024.org



TECHNICAL VISIT TO BHAKRA DAM



Curtain Raiser for ICOLD 2024**National Workshop
on****Sedimentation Management in Reservoirs for
Sustainable Development****2nd-3rd, May. 2024 (Thu-Fri)****Institution of Engineers (India), Engineers Bhawan, Chandigarh****REGISTRATION FORM**

(To be filled in block letters preferably typed)

1. Name of Participant _____
(Surname) (First Name) (Prefix Prof./Dr./Mr./Mrs./Ms.)

2. Designation: _____

3. Name of Organisation: _____

4. Mailing Address: _____

City _____ State _____

Country _____ PIN _____

Phone _____ Fax _____ E-mail _____

5. Payment details:

Bank Details for arranging Payment:

Name of Bank: Canara Bank, Delhi Diplomatic Enclave, Malcha Marg, Chanakyapuri, New Delhi 110021

- Account No. 0157101031509
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- MICR Code No. 110015007
- IFSC Code: CNRB0000157
- Swift Code: CNRBINBDDFS

Dated _____

Signature _____

Registration Form duly filled in, together with necessary payments to be mailed to : contact@incold.co.in**Contact Persons: Mr. K.K. Singh**, Director (WR) E-mail: kksingh@cbip.org**Mr. Pradeep Kumar Singh** E-mail: pradeepsingh@cbip.org; (M : 9557814691)**Mr. Kamal Kumar** E-mail: kamal@cbip.org (M : 8826434222)

Central Board of Irrigation & Power, Malcha Marg, Chanakyapuri, New Delhi 110 021, India

Fax: +91-11-2611 6347

Note:

- Seats are limited. Participants are requested to register as soon as possible.