

DAMS INDIA 2018

Conference on

Storage Dams for Water Security and Sustainable Development

24-25 October 2018, Hotel Le Meridien, New Delhi



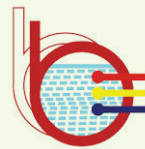
Organised by

In association with

Technical Collaboration with



Indian National Committee
on Large Dams



Central Water Commission



under the Aegis of



International Commission on Large Dams

INTRODUCTION

Global declines in water storage addition are troubling to Policy makers. With greater hydrological variability due to climate change, additional storage will be vital to provide the same level of security of water, food and energy.

Water storage is a fundamental protection from the impacts of changing climate, safeguarding the supply of water, and the water–food–energy nexus, even during extended drought. For thousands of years, dams have stored water to irrigate crops, control flooding, supply water for industrial and household use, and generate hydroelectric power – contributing enormously to food security, human development and economic growth. These days, many dams serve more than one function, but remain the primary mechanism for coping with the variability of water supply and demand. During the last century, more than 45,000 dams of height 15 m and above have been constructed worldwide, creating a combined storage capacity estimated to be between 6700 and 8000 km³, representing 17 per cent of global annual runoff.

Security of water, food and energy are inextricably linked. For example, approximately 50 per cent of all large dams worldwide are used for irrigation. Without sufficient water storage, irrigated agriculture (the largest user of water at the global level, contributing 40 per cent of the world's food) is at the mercy of changing patterns of rainfall and runoff.

Understanding water storage issues is essential for successfully managing water resources. At the simplest level, it is a matter of 'inflow (water supply) less outflow (water demand) equals change in storage'. But it is particularly important to understand whether storage shortage relate to reducing supply, increasing demand, or both. Key factors influencing storage are greater variability of inflows due to climate change, increased demand due to population growth, reduced net storage due to sedimentation, and less dam construction occurring worldwide due to environmental and social impacts. The effects of climate change are predicted to increase and to result in greater magnitude and frequency of hydrological extremes, such as prolonged droughts and significant floods. With prolonged drought, inflows for storages will reduce. If demand remains the same, stress on existing water storages will increase.

Keeping in view the above, Indian Committee on Large Dams and Central Board of Irrigation and Power in Technical Collaboration with CWC and in association with BBMB, THDC, NHPC, NEEPCO, SJVNL and The World Bank are organizing two days Conference on "Storage Dams for Water Security and Sustainable Development" on 24-25 October 2018 at New Delhi to focus on the various issues connected with the creation of more number of storage to meet the water demand with greater hydrological variability due to climate change and level of security of water, food and energy.

TOPICS

1. Storage Dams for Sustainable Development

- (a) Need for Storage Dams for Future Water Security
- (b) Water Security and Climate Change Outlook in Respect of Storage Projects
- (c) Water and Food Sustainability Approach
- (d) Dam, Environment and Development
 - (i) Analysis of R&R Implications of Storage Projects/RoR Projects
 - (ii) Asset conservation including sedimentation management

2. River Basin Development and Management

- (a) River Basin hydrology and climate change
- (b) Design adaptations and adaptive resource management for climate change
- (c) Impact of climate change and uncertainty in predictions
- (d) Inter basin transfer of water & management

3. Flood and Draught Management

- (a) Vulnerability analysis of flood damages in India with emphasis on pre and post scenarios of large storage projects.
- (b) Historical draughts study justifying need of storage projects in large rivers.
- (c) Occurrence of extreme events due to climate change

4. Financing, Legal and Contractual Aspects of Dams for Sustainable Development

5. Other Civil Engineering Issues

- (a) Advanced materials for dams and appurtenant works
- (b) Advances in design and construction techniques
- (c) Innovative approaches to evaluate and enforce safety norms
- (d) Monitoring and engineering for safe structures and sites
- (e) Dam Safety & Instrumentation

WHO SHOULD ATTEND?

The Conference is of interest to Scientists, Researchers, Engineers, Geologists, Regulatory Bodies, Government Departments, Developers Contractors, Consultants and Students working in Dam Engineering, Dam Design, Hydropower Development, Environmental Engineering, and Structural Hydraulics.

CALL FOR PAPERS/CASE STUDIES

The papers/case studies on the subject are invited. Intending authors may send full text of paper(s)/case study(ies) as per the guidelines/instructions given below so as to reach the Conference Secretariat by 5th October 2018. The papers/case studies accepted for presentation will be notified immediately thereafter. Only original contributions that have not been published or presented at any other conference/symposium/seminar are acceptable, otherwise the paper will not be considered. The full length paper will be reviewed by the Technical Committee for oral presentation.

GUIDELINES FOR PREPARATION OF PAPERS/CASE STUDIES

The full text of the papers, not exceeding 08 pages of A4 size, in single space and 10 Point Normal Times Roman Font, both in MS Word and PDF, need to be sent through e-mail only at sunil@cbip.org. The papers will be printed by offset process, therefore, the text of the paper in English must be free from errors. Only original contributions that have not been published or presented at any other forum are acceptable.

Standard and universally accepted abbreviations should be used. When a special abbreviation appears in the text for the first time, it should be accompanied by its extended form.

The figures should be placed nearest to the first reference in the text and should not be larger than the print areas. Tables in the manuscript should be numbered consecutively and referred to in the text by their numbers. A suitable heading should also be provided. References should follow the text to be listed at the end in numerical order with the corresponding number cited in brackets at appropriate places.

At the end of the references, the author(s) must furnish biodata not exceeding 100 words as per sample given below:

“AAAAAA graduated in Civil Engineering from the University of PPPPPP in 1965. He obtained a Ph.D. in Civil Engineering at the University of QQQQQQ. From 1969 to 1980 he worked for RRRRRR, specialising in design and construction of gates at hydro plants. In 1980 he joined SSSSSS Company as Hydraulic Design Chief Engineer, where he worked on civil aspects of the following hydro projects: xxxxx, yyyyyy and zzzzzz. From 1988 he has been Professor of Hydraulic Engineering at the University of GGGGGG, where he specialises in analysis of model test procedures for hydraulic gates”.

A similar description should be given for each author.

Certificate

The author(s) certify that the paper titled “_____” and submitted for consideration for the **Conference on “Dam India 2018”**, to be held in New Delhi during 24-25 October 2018, is in original and has not been published or presented at any other forum, in the present form. The Author(s) also hereby assigns to the Publisher, The Central Board of Irrigation and Power, Malcha Marg, Chanakyapuri, New Delhi (India), the copyright to the Contribution named above whereby the Publisher shall have the exclusive right to publish the said Contribution in print/electronic form, wholly or in part, in its other technical journals.

Signature(s)

Place

Date

SCHEDULE

- Submission of Papers **5th October 2018**
- Intimation of acceptance of Papers **15th October 2018**

OFFICIAL LANGUAGE

The official language of the Conference is English.

DATES & VENUE

The conference is proposed to be held in the Sovereign Hall of Hotel Le Meridien, Windsor Place, New Delhi during 24-25 October, 2018.

REGISTRATION

The registration fee payable by the delegates, including authors of papers, for participation in the conference is as follows:

Countries	Delegate/Author	Research Student	Accompanying Person
India	Rs. 15,000*	Rs. 7,500*	Rs. 5,000*
Others	US\$ 500*	US\$ 250*	US\$ 250*

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

10% discount will be applicable to Members of INCOLD/CBIP

SPONSORSHIP

The conference will provide an excellent opportunity to national and international organizations; central/ state government organizations, public sector undertakings, industrial organizations, equipment manufacturers, entrepreneurs, financial and funding institutions, consulting organizations and construction organizations to publicize themselves by being Golden / Silver sponsors or Supporter of the Conference. The sponsorship details are as given below :

SPONSORSHIP FEES

Level	Fee	Benefit / Complimentary included Items
<i>Golden Sponsor</i>	USD 10,500 INR 3,00,000	<ul style="list-style-type: none">• Full registration for Ten delegates• Company name and logo on conference, Web Page (linked to the company website) promotion material like proceedings volume, banner/signage, stationary items etc.• A full page advertisement in the Proceedings• Distribution of Literature/ Brochures
<i>Silver Sponsor</i>	USD 7,500 INR 2,00,000	<ul style="list-style-type: none">• Full registration for Five delegates• Company name and logo on conference, Web Page (linked to the company website) promotion material like proceedings volume, banner / signage, stationary items etc.• A full page advertisement in the Proceedings• Distribution of Literature/ Brochures
<i>Supporter</i>	USD 5,000 INR 1,00,000	<ul style="list-style-type: none">• Full registration for Three delegates• Company name & logo in conference proceedings volume• A full page advertisement in the Proceedings• Distribution of Literature/Brochures

ADVERTISEMENT OPPORTUNITIES

A limited space will be made available on first-come-first-served basis, for coloured advertisement to the organizations, involved in the concerned field, in the proceedings volume of the Conference. The interested organizations are required to send the CD of the advertisement material, in A4 size i.e., Pdf or Coreldraw format along with payments as detailed below by 1st October 2018.

Inner Pages	US\$ 500 / INR 30,000*
2 nd & 3 rd Cover	US\$ 1000 / INR 50,000*
Back Cover	US\$ 1500 / INR 75,000*

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

PAYMENT

All payments are to be made by the following methods. No other methods of payment are acceptable.

Registrations/ Sponsorships/ Advertisements

- **Cash**
- **Banker's Cheque payable to :** Central Board of Irrigation and Power, New Delhi
- **Bank Transfer :**
Name of Bank : Address: 209-214, Kailash Building, 26 Kasturba Gandhi Marg, New Delhi - 110001

Beneficiary Details

Organization : Central Board of Irrigation and Power
Account No. : 00031110004411 MICR Code No. : 110240001
Swift Code : HDFCINBBDEL IFSC : HDFC0000003

Bank charges if any, must be borne by the participants and should not be deducted from the amount remitted to the Conference Secretariat.

Hotel Accommodation

Hotel Accommodation requirement, delegate may contact the following

Mr. Amit Sharma
Revenue Manager

SWATI AND SURUCHI HOTEL

Near Pusa Road Metro Pillar No. 98 & 99, Opp. Fortis Jassaram Hospital (17A/32), Gurudwara Road,
W.E.A., Karol Bagh New Delhi - 110 005
Phone : 91-11-45000325/326 Fax : 91-11-45000333
Email : amit.sharma@hotelswati.com M : 9910481922

Conference Secretariat

Secretary, Central Board of Irrigation & Power
Malcha Marg, Chanakyapuri, New Delhi - 110 021
Phone : 91-11-2611 5984 / 2611 1294 Ext. 113; Fax : 91-11-2611 6347
Contact Person : **Mr. Sunil Sharma**, Chief Manager (M) 91-9811299136
Mr. G.P. Patel, Director (WR) (M) 91-9599622448 (Alternatively)
Email : sunil@cbip.org; cbip@cbip.org Website : [http:// www.cbip.org](http://www.cbip.org)