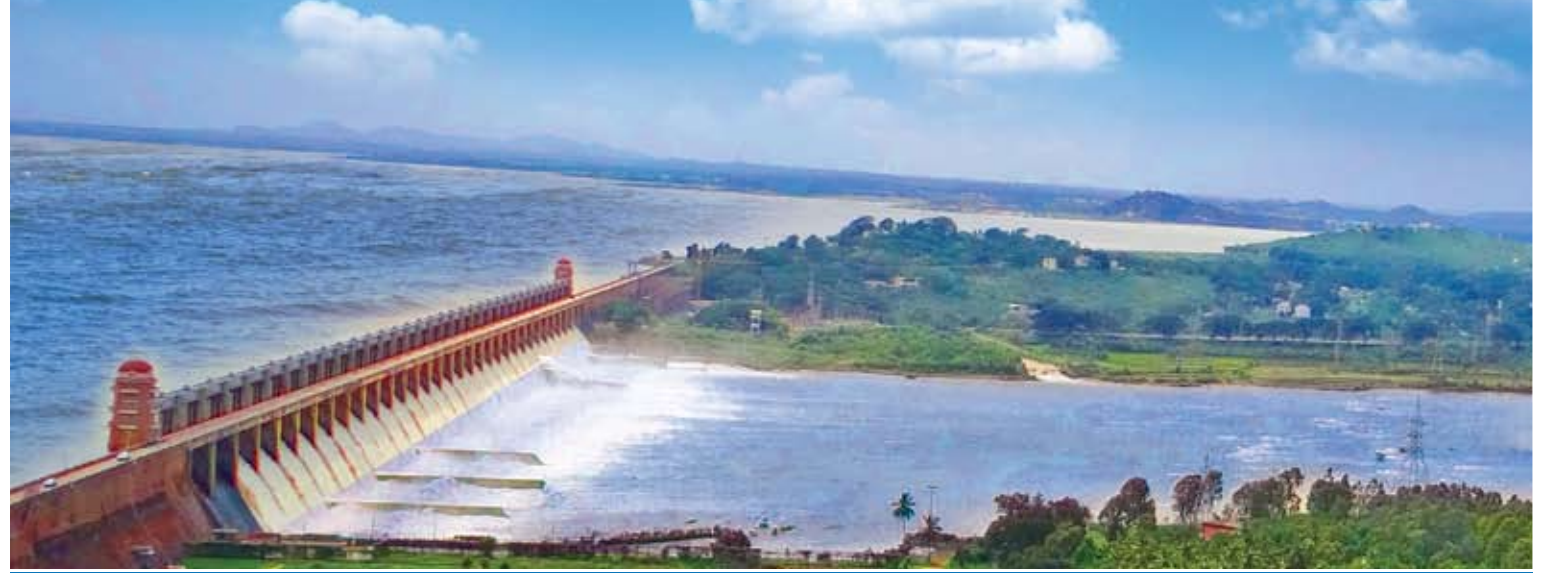




88th Annual Meeting
INTERNATIONAL COMMISSION ON LARGE DAMS
&
Symposium on
SUSTAINABLE DEVELOPMENT OF DAMS AND RIVER BASINS
APRIL 4-10, 2020 - NEW DELHI, INDIA



Organised by



www.icold2020.org

Hosted by



INCOLD





THE HOST

INCOLD is proud to host the 88th Annual Meeting of the International Commission on Large Dams in India's capital city, New Delhi. INCOLD has a long tradition of collaboration with other National Committees of ICOLD and participation in the development of large Dams as well as leading in providing guidance for engineers and other professionals.

All the engineers and other professionals contribute their expertise in developing large dams for irrigation and other multipurpose uses such as power generation with eco-friendly measures. India is 3rd in terms of number of large dams in world after USA and China. In terms of irrigation India ranks 2nd worldwide. The ground system in India is the largest, covering – 160 million ha of cultivated land with 39 million ha irrigated by ground water, 22 million ha by canals. About two third of cultivation in India is still depending on monsoon. India is the 7th largest producer of hydroelectric power in the world. As on 31.03.2019, India's installed utility-scale hydroelectric capacity is 45,399 MW or 13.10% of its total utility power generation capacity.

India's state-of-art technology being illustrated by constructing large dams like Bhakra, Tehri, Sardar Sarovar and many more mega projects. The Participation in ICOLD 2020 shall encourage the Indian experts as well as global experts from Dam industry to share their experiences among similar community. This event will provide an excellent opportunity to know recent trends in Dam industry.

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Please visit our website for up-to-date information including registration, sponsorship, exhibition hall and submission of abstracts

www. ICOLD2020.org

E-mail : abstracts-papers@icold2020.org



INVITATION FROM ICOLD PRESIDENT



Dear ICOLD Members, Colleagues, Ladies and Gentlemen,

On behalf of the Directors and Central Office of International Commission of Large Dams (ICOLD), it is an honor for me to invite our 100 National Committees to send delegates and their accompanying persons to the 88th Annual Meeting of ICOLD. The meeting will be held from the 4th to 10th April 2020 in New Delhi, the modern and vibrant capital city of India.

The ICOLD, National Committee of India, has prepared an excellent program in an exciting location. India is a strong and important long-standing member of ICOLD. In a country with 5264 dams and 437 dams under construction, India is a top leader in the world in the development of critical water infrastructure, including important mega-projects such as Bhakhra and Tehri Dam projects and the World Bank supported Dam Rehabilitation Improvement Project. With the support of INCOLD, these modern water infrastructure projects have significantly contributed to the sustainable growth of the agriculture, water supply and power sectors in India to meet the increasing requirements of a strong nation.

I am looking forward to an exciting and memorable ICOLD 2020 Annual Meeting based on the successful past meetings organized by INCOLD, including Congresses in 1951 & 1979 and Annual Meeting in 1998. For ICOLD 2020, the ICOLD technical committees will have the opportunity to organize meetings and workshops to deliberate on recent advances and challenges being faced by dam industry. The delegates of 88th Annual Meeting will also have the chance to participate in the Symposium on “Sustainable Development of Dams and River Basins”, which will focus on important topics such as Dam Safety, River Basin Development, Flood Management and Extreme Events, Tailings Dams - Life Extension and Rehabilitation Strategies, Sedimentation Management, and Reservoir Seismicity. The expected outcomes of ICOLD 88th Annual Meeting and Symposium in India will certainly be indispensable for the global dam community.

In view of the many opportunities and challenges in our industry, I encourage you to come to the ICOLD 88th Annual Meeting in India, not only to discuss the emerging professional topics, but also to see friends in our ICOLD family. I am confident that INCOLD will arrange a high-quality technical content for the meeting along with attractive social and accompanying persons programme.

I'm looking forward to welcoming the ICOLD Family – old friends as well as new-comers in April 2020 in New Delhi, India.

Warmest regards,

A handwritten signature in black ink, appearing to read 'M. Rogers', written in a cursive style.

MICHAEL F. ROGERS

President of International Commission on Large Dams (ICOLD/CIGB)

The International Commission on Large Dams (ICOLD) is a non-governmental international organization which provides a forum for exchange of knowledge and experience in dam engineering. ICOLD is a leader in setting standards and guidelines to ensure that dams are built and operated safely, efficiently and economically, and are environmentally sustainable and socially equitable. Every year, ICOLD holds an Annual Meeting and Symposium in a selected country. ICOLD membership consists of the National Committees of more than 100 countries. The Indian National Committee on Large Dams (INCOLD) is the National Committee representing India. Technical Committees of ICOLD are the heart of the organization. Membership on each Committee is determined by the needs of the Committee and the countries that choose to be represented. An important part of the annual ICOLD event is the opportunity for all delegates to observe the meetings and workshops of the Technical Committees and interact with experts from other countries.



INVITATION FROM THE INCOLD PRESIDENT AND CHAIRMAN OF THE ORGANISING COMMITTEE



Dear ICOLD Members, Colleagues, Ladies and Gentleman,

On behalf of the Indian National Committee on Large Dams (INCOLD), it is an honour for me to cordially invite you and your accompanying person to attend the 88th Annual Meeting of the International Commission on Large Dams and Symposium on Sustainable Development of Dams and River Basins being held in New Delhi from 4-10 April, 2020. I would also like to invite all the Departmental Heads and professionals dealing with Dams in India to this event.

India has built 5264 dams which includes Bhakra, Tehri, Sardar Sarovar and many more mega projects and 437 dams are under construction. The Dam industry in India has contributed significantly towards meeting the growing water and power demand of the country, yet India is facing increasing pressure on water resources due to population growth, urbanization and creeping effect of climate change.

The 88th ICOLD Annual Meeting will provide an excellent platform for researchers, scientists, engineers, policy makers and young professionals working in the field of energy and water resources management around the world. This meeting will definitely act as confluence of brilliant minds and provide an interactive platform to share path breaking ideas on the theme 'Sustainable Development of Dams and River Basins' besides Special Workshops including the workshops of the ICOLD Technical Committees.

The Indian National Committee on Large Dam (INCOLD) has prepared an excellent program in an exciting venue for the 88th Annual Meeting of ICOLD. In view of our challenges to further develop this century's dams and reservoirs worldwide and combating the effects of climate change, I invite you to the 88th Annual meeting to discuss and deliberate on emerging professional issues along with meeting the ICOLD family. Special programs have been planned for the accompanying person. Delegates would enjoy attractive social evening program. Besides visiting excellent technological examples of dams and hydropower projects, the delegates will also have opportunity to discover beautiful and impressive tourist sites in New Delhi and other parts of India as well as rich cultural heritage of the country during different tours being organized for the foreign guests to explore India.

I am looking forward to welcoming and meeting the ICOLD family, old members as well as newcomers in New Delhi.

Devendra Kumar Sharma

President

Indian National Committee on Large Dams

ICOLD INFORMATION

The International Commission of Large Dams (ICOLD) is a non-governmental organization that provides a forum for exchange of knowledge and experience in dam engineering, construction and operation at the international level, ICOLD leads the profession in ensuring that dams are built safely, efficiently and without detrimental effects for the environment, ICOLD was founded in 1928 with HQ at Paris and includes 100 National Committees.

President

Mr. M. ROGERS, ICOLD, USA (2018 - 2021)

Secretary General

Mr. M. DE VIVO, France (2006 - Cont.)

Vice Presidents

Mr. J. ZHOU, Asia Pacific, China (2016-2019)

Mr. A. NOORZAD, Iran (2018-2021)

Mr. J.P. TOUNIER, America, Canada (2017-2020)

Mr. M. LINO, Europe, France (2016-2019)

Mr. M. ABEBE, Africa, Ethiopia (2018-2021)

Mr. G. ZENZ, Europe, Austria (2017-2020)

ICOLD MEMBER COUNTRIES



ICOLD TECHNICAL COMMITTEES

- | | | |
|---|--|--|
| A Computational Aspects of Analysis and Design of Dams | J Sedimentation of Reservoirs | RE Resettlement Due to Reservoirs |
| B Seismic Aspects of Dam Design | K Integrated Operation of Hydropower Stations and Reservoirs | S Flood Evaluation and Dam Safety |
| C Hydraulics for Dams | L Tailings Dams and Waste Lagoons | T Prospective and New Challenges for Dams and Reservoirs in the 21 st Century |
| D Concrete Dams | LE Levees | U Dams and River Basin Management |
| E Embankment Dams | M Operation, Maintenance and Rehabilitation of Dams | V Hydromechanical Equipment |
| F Engineering Activities with the Planning Process for Water Resources Projects | N Public Awareness and Education | W Selection of Dam Type |
| G Environment | O World Register of Dams and Documentation | Y Climate Change |
| H Dam Safety | P Cemented Material Dams | Z Capacity Building and Dams |
| I Public Safety Around Dams | Q Dams Surveillance | |



INTERNATIONAL ADVISORY COMMITTEE

Mr. M. ROGERS, President – ICOLD, USA
Mr. J. ZHOU, Vice President - ASIA PACIFIC, China
Mr. ALI NOORZAD, Vice President, Iran
Mr. J.P. TOURNIER, Vice President – AMERICA (Canada)
Mr. M. LINO, Vice President – EUROPE, France
Mr. M. ABEBE, Vice President – AFRICA, Ethiopia
Mr. G. ZENZ, Vice President – EUROPE, Austria
Mr. M. DE VIVO, Secretary General, ICOLD, France
Mr. A. SCHLEISS, Hon. ICOLD President, Switzerland
Dr. JEN JIASHING, Hon. ICOLD President, China
Mr. ADAMA NOMBRE, Hon. ICOLD President, Burkina Faso
Mr. JOJI YAMAGAWA, President, JCOLD, Japan
Mr. HARI SUPRAYOGI, President, INDCOLD, Indonesia

Mr. IGNACIO ESCUDER-BVENO, President, SPANCOLD, Spain
Mr. S. MOHANARAJAH, President, SLNCOLD, Sri Lanka
Mr. CHHEWANG RINZIN, President, Bhutan, ICOLD National Committee
Mr. UJWOL KOIRALA, President, Nepal, ICOLD National Committee
Dr. WIELAND MARTIN, Chairman, ICOLD Committee on Seismic Aspects of Large Dams
Mr. U.P. SINGH, Secretary, MOWR & RD, Govt. of India
Mr. A.K. BHALLA, Secretary - Power, Govt. of India
Mr. S. MASOOD HUSAIN, Chairman, CWC
Mr. DEVENDRA KUMAR SHARMA, President, INCOLD
Mr. JUNAID KAMAL AHMAD, Country Director, World Bank
Mr. KENICHI YOKAYAMA, Country Director, Asian Development Bank
Mr. A.B. PANDYA, Secretary General, ICID

ORGANIZING COMMITTEE

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Mr. D.K. Sharma, President, INCOLD & Chairman, BBMB

Co-Chairmen

Mr. Balraj Joshi, Vice President, INCOLD & CMD, NHPC
Mr. R.K. Vishnoi, Vice President, INCOLD & ED – Designs, THDC
Mr. N.L. Sharma, CMD, SJVNL

Organizing Secretary General

Mr. V.K. Kanjlia, Secretary General, INCOLD & Secretary, CBIP

Members

Member (D&R), Central Water Commission
Member (Hydro), Central Electricity Authority
Member, Central Ground Water Board
DG, National Water Development Agency
Director General, Geological Survey of India
Adviser, Ministry of Environment & Forests
Secretary, WRD, Govt. of Maharashtra
Secretary, WRD, Govt. of Gujarat
Secretary, WRD, Govt. of Kerala
Secretary, WRD, Govt. of Karnataka
Secretary, WRD, Govt. of Madhya Pradesh
Secretary, WRD, Govt. of Rajasthan
Secretary, WRD, Govt. of Jharkhand
Secretary, WRD, Govt. of Uttar Pradesh
Secretary, WRD, Govt. of Punjab
Secretary, WRD, Govt. of Haryana

Secretary, WRD, Govt. of Tamil Nadu
Secretary, WRD, Govt. of Telangana
Secretary, WRD, Govt. of Orissa
Secretary, WRD, Govt. of Andhra Pradesh
Secretary, WRD, Govt. of Chhattisgarh
Mr. Sanjay Kundu, Addl. Pr. Sec to CM, HP
CMD, NTPC Limited
CMD, WAPCOS Limited
Chairman, Damodar Valley Corporation Ltd.
Managing Director, UJVNL Limited
Managing Director, Karnataka Power Corpn. Ltd.
Mr. Dasho Chhewang Rinzin, MD, DGPC
Mr. Amresh Kumar, MD, Punatsangchu-I
Mr. N.C. Bansal, MD, Punatsangchu-II
Managing Director, Sardar Sarovar Narmada Nigam Ltd.
Mr. V.K. Singh, Director – Tech., NEEPCO Ltd.
Mr. Tarun Agarwal, Secretary, BBMB
Mr. Sanjay Gulati, Director, TRECTABEL
Dr. G.V. Raju, Regional Director, AECOM
Mr. Hari Saxena, Vice President, AF Consult
Ms. Neeta Arora, General Manager, SMEC
Mr. Sunil D. Sapre, Director, Patel Engg. Ltd.
Mr. D.P. Goel, Director, Jaypee Associates
Managing Director, Soma
Mr. Ashish Gupta, President, Gammon Engineers
Mr. R. Anarbalagan, Vice President, L&T Ltd.
Mr. Satish K. Sharma, CTO, HCC Ltd.



TECHNICAL COMMITTEE

Chairman

Mr. A.B. Pandya, Secretary General, ICID

Co-Chairmen

Mr. Balraj Joshi, Vice President, INCOLD & CMD, NHPC Limited

Dr. R.K. Gupta, Chairman, Krishna River Management Board

Members

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Dr. D.V. Thareja, Former Chairman, GFCC

Mr. R.N. Mishra, Former CMD, SJVNL

Mr. R.K. Vishnoi, Exec. Director – Designs, THDC

Mr. Gulshan Raj, Chief Engineer, DSO, CWC

Mr. S.K. Sibal, Chief Engineer (Des.), CWC

Mr. J.S. Bawa, Chief Engineer - HPI, CEA

Mr. Deepak Nakhasi, Chief General Manager, SJVNL

Mr. V.K. Singh, Director – Tech., NEEPCO

Geological Survey of India - Representative

India Meteorological Department - Representative

State Govt. Organizations

Mr. Bharat Gosavi, Chief Engineer, Bodhi, MPWRD

Mr. A.P. Balan, Chief Engineer, IDR, Kerala

Mr. Vivek Kapadia, Chief Engineer, NWRD and WS, Gujarat

Chief Engineer, WRDO, Karnataka

Mr. Khalil Ansari, ED, MKVDC,

Orissa Hydropower Corporation Limited - Representative

Karnataka Power Corporation Limited - Representative

Sardar Sarovar Narmada Nigam Limited - Representative

Educational Institute Representative

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Dr. I.D. Gupta, IIT, Roorkee

Dr. Durgesh Rai, IIT Kanpur

Prof. Abhijit Bhattacharya, IIT Kharagpur

Prof. Amit Prashant, IIT Gandhinagar

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Dr. V.V. Bhosekar, Director, CWPRS

Mr. S.L. Gupta, Director, CSMRS

Director, GERI

Mr. Sanjay K. Ghanekar, Director General, MERI

Director, NGRI, Hyderabad

Consultants

Mr. Anupam Mishra, Director, WAPCOS

Dr. Hari Saxena, Vice President, AF Consult

Dr. A.K. Jha, Vice President, Tractabel

Ms. Neeta Arora, Director, Hydropower & Dams, SMEC

Contractors

Shri R.K. Khali, Group Project Manager, HCC Limited

Convener

Dr. G.P. Patel, Director – Water Resources, CBIP

NEW DELHI – INDIA'S CAPITAL (HOST CITY)

The capital city of Republic of India is one of the fastest growing cities in the world. DELHI is a blend of tradition and modernity, where ancient monuments co-exist with ultramodern high rise buildings and commercial plazas. Spread over an area of about 1485 sq km at an altitude of 216 m above mean sea level and with a population of 12.5 million, Delhi is the third largest city in the India. Main languages spoken are Hindi, English and Punjabi.

The commercial and business hub of India, Delhi has been witness to a tumultuous history of uprising and falling of many empires. This metropolitan city comprises of seven cities that were built by different emperors from time to time. It is perhaps the only city in the world that presents so many contrasts at once - there is the old age charm and ruins of Old Delhi and there are strong and mighty giant buildings of New Delhi, there are the chic, fashionable belles of South Delhi and there are India lasses dressed in traditional and ethnic dresses.

Delhi has a rich architectural heritage- from 12th Century Qutub Minar of the Slave Dynasty, through the Red Fort of Mughals, leaving the visitors with memorable experience. The city consists of two parts-Old Delhi and New Delhi. In Old Delhi you will find mosques, monuments and New Delhi is the Capital of India.

Delhi provides the best facilities for holding Conferences, Seminars and Conventions- and to support this, a wide range of hotel accommodation is available. From budget guest houses to luxury 5-star deluxe rooms, there is everything for every delegate. Delhi is also an excellent base for visiting Agra to see the Taj Mahal, and Jaipur, and to experience the colors of Rajasthan, which are less than five hours way by rail/road.





PROGRAM AT A GLANCE

| Date | Technical Programme | Accompanying Person Programme | Social Programme |
|--|---|-------------------------------|--|
| Saturday 4 th April 2020 | <ul style="list-style-type: none"> ICOLD Board Meeting (14:00 – 18:00 hrs.) | | Dinner of ICOLD Board + INCOLD Reps. (19:30 – 22:00 hrs.) |
| Sunday 5 th April 2020 | <ul style="list-style-type: none"> Registration (09:00 – 17:00 hrs.) ICOLD Board Meeting (09:00 – 17:00 hrs.) ICOLD Board + Local Organizing Committee (17:00 – 19:00 hrs.) Congress Questions Panel meeting (17:00 – 19:00 hrs.) | New Delhi City Tours | Dinner of Board + LOC and Tech. Comm. Chairmen (20:00 – 22:00 hrs.) |
| Monday 6 th April 2020 | <ul style="list-style-type: none"> Registration (09:00 – 17:00 hrs.) Meeting of ICOLD Board and Chairmen of Technical Committees (09:00 – 12:00 hrs.) Technical Committee Workshops (14:00 – 18:00 hrs.) Young Engineers Forum (18:00 – 19:30 hrs.) | City Tours | Welcome Reception (20:00 – 22:00 hrs.) |
| Tuesday 7 th April 2020 | <ul style="list-style-type: none"> Technical Committees Meetings (09:00 – 17:00 hrs.) – 27 Break Outs Technical exhibition opening ceremony ICOLD Regional Clubs Meetings (17:00 – 19:00 hrs.) Workshops – 3 Nos. (09:00 – 17:00 hrs.) | City Tours | Young Engineers Social evening Specifics Private Functions (20:00 – 22:00 hrs.) |
| Wednesday 8 th April 2020 | <ul style="list-style-type: none"> Symposium Opening Ceremony (0930-11:00 hrs.) Press Conference (Political, Board, INCOLD and Journalists) 11:00 – 11:30 hrs Symposium Contd. (11:30 – 18:00 hrs.) Technical exhibition Francophone delegates meeting (18:00 – 19:00 hrs.) | City Tours | Cultural Event (19:30 – 22:00 hrs.) |
| Thursday 9 th April 2020 | <ul style="list-style-type: none"> Symposium on Sustainable Development of Dams and River Basins (09:00 – 18:00 hrs.) Technical Tours /Visit to Agra (08:00 – 19:00 hrs) Technical Exhibition | City Tours | Specific Private Receptions (20:00 – 22:00 hrs.) |
| Friday 10 th April 2020 | <ul style="list-style-type: none"> 88th ICOLD General Assembly (09:00 – 18:00 hrs.) Workshops – 3 Nos. (09:00 – 18:00 hrs.) | City Tours | Farewell Dinner (19:30 – 22:30 hrs.) |

TECHNICAL PROGRAM

International delegates from around the world will share their expertise and experience in Dams, Hydropower and Water Resources and the mining industry. The technical program will include:

ICOLD TECHNICAL COMMITTEE MEETINGS – Open to all delegates as observer

ICOLD COMMITTEE WORKSHOPS – Introducing new topics and summarizing completed Bulletins

TECHNICAL WORKSHOPS - Covering wide range of technical subjects in collaboration with ICOLD

SYMPOSIUM

Theme : Sustainable Development of Dams and River Basins

The theme will be addressed through technical and poster presentations on the following topics :

The sub themes are:

1. Modern Technologies in Survey and Investigation for Sustainable Dam Development
2. Simulation Methodologies for Dam Analysis and Design
3. Advances in Dam Safety, Risk Assessment and Management
4. Advances in the Rehabilitation of Dams and Appurtenant works:
 - (a) Innovations and Adaptations in Intakes, Spillways and Gates
 - (b) Advancement in Materials for Dam Repair and Rehabilitation
 - (c) New Approaches in Energy Dissipation Arrangements in High Velocity Spillways.
 - (d) Causes of Damages and Structural Performance Evaluation of Dams.
 - (e) Rehabilitation Technologies to Enhance Dam Safety
 - (f) Underwater Inspection, Robotics and Repair Methodologies for Dams.
 - (g) Modernization, Optimization and Rehabilitation of Aging Dams
 - (h) Dam Surveillance and Monitoring
5. River Basin Development and Management including Optimization of Reservoirs Operation
6. Innovative Construction Methodology and Contracting Practices
7. Impacts of Climate Change – Sustainable Dams and Hydropower Development including Pumped Storage
8. Engineering Challenges and Safety of Tailing Dams.

Authors of Technical papers and posters should submit abstracts addressing the symposium themes, using online system at E-mail : abstracts-papers@icold2020.org Web : www.icold2020.org

Abstracts are due by 30th September, 2019

COMMITTEE WORKSHOPS

In addition to full day meetings some technical committees will present workshop(s), which are open to all interested delegates. Workshops are required for every committee that is starting new mandate so that the work will appropriately reflect international requirements and conditions. Similarly, when a committee has completed a draft Bulletin they present their approaches and findings to obtain feedback from a broad representation of ICOLD delegates.

The workshop program will be determined early in 2020, depending on the progress of the Technical Committees.

TECHNICAL WORKSHOPS

Full day technical workshops will be presented in collaboration with ICOLD Technical Committee on the following topics.

1. Advances in Numerical Analysis of Dams
2. Roller Compacted Concrete Dams
3. Reservoir Operation for Handling of Extreme Events
4. Life Extension Technologies and Strategies for Aging Dams
5. Sedimentation Management in Reservoirs for Sustainable Development
6. Seismic Analysis for Dam Design and Safety Evaluation of Existing Dams



VENUE

The event will take place in the India Expo Centre, most appropriate Venue for ICOLD Event. The venue located in the National Capital Region of New Delhi in Greater Noida is surrounded by affluent business community. The Expo Centre is within easy access from the metro station, shopping malls and other key government enterprises. The India Expo Centre is at a distance of 45 minutes drive from the Indira Gandhi International Airport, Delhi

This state-of-the-art, multi-functional venue with a rare combination of technology merged with world-class facilities and safety standards is suitable for hosting international business-to-business exhibitions, conferences, congresses, product launches, promotional events and most predominantly act as a centralized contact point for overseas buyers and the cottage based manufacturer exporters for conducting business. India Expo Centre and Mart is spread over 58 acres of land and has a unique combination of Trade Marts with Exhibition & Convention Facilities, Lawn, Business Centre, Restaurants, Transportation facilities and sufficient Parking Area for over 4,000 cars and 30 Buses/Trucks inside the complex. It is well linked to the main Ring Road of Delhi through 8 lane expressway.

The Venue is located close to Buddha International car racing track, Common Wealth Games Village important historical monuments such as Akshardham Temple, Lotus Temple, Qutub Minar, Red Fort, India Gate and only 4 to 5 hours by car to the Taj Mahal at Agra and the Pink City, Jaipur.



EXHIBITION AND FLOOR PLAN





TECHNICAL TOURS

In addition to visiting dams and hydropower facilities, the technical tours will include options to visit attractive tourist destinations in Gujarat, Uttarakhand and Himachal Pradesh.

ICOLD2020 participants will be able to select from full day and half day technical tours on Saturday, 4th April, 2020. The half day tours will allow participants to attend morning session of event.

Some tours we are working on:

1. Delhi-Haridwar-Rishikesh-Tehri Dam-Mussoorie-Dehradun-Delhi
2. Delhi-Nainital-Ramganga Dam-Jim Corbett National Park - Delhi-2 Nights/03 days
3. Delhi-Hydrabad-Nagarjunasagar Dam-Delhi-2 Nights/03 Days
4. Delhi-Bangalore-Mysore-Brindavan Garden-Krishnarajasagara Dam-Delhi - 02 Nights/03 Days
5. Delhi-Vadodara-Sardar Sarovar-Vadodara-Delhi-02 Nights/03 Days
6. Delhi-Goa-Kalinadi Hydroelectric Project-Goa-Delhi-03 Nights/04Days



HOTELS

ICOLD2020 has reserved room blocks on negotiated special conference rates for participants in selective hotels near venue and well connected with Delhi Metro to Pragati Maidan. Information about the hotels including descriptions, amenities and cost per night will be available at www.icold2020.org. Delegates will be able to make hotel reservation through the ICOLD2020 housing bureau once they have completed their Registration for the Annual Meeting and Symposium. The ICOLD2020 hotels will not take reservations directly.



Crowne Plaza



Jaypee Greens



LOCAL TOURS

1. New Delhi Tour
2. Old Delhi Tour
3. Memorial and Museum Tour
4. Dances of India - The Essence of India's Rhythmic Heritage.
5. Evening of son-et-lumiere at Red Fort
6. Religious tour of Delhi, Shringar Demonstration
7. Demo and Lecture- Health Care and future planning through Astrology, Beauty and body care through Ayurvedic treatment



GENERAL INFORMATION

Registration and Hotel Bookings

Information on registration and hotels can be found at www.icold-cigb2020.co.in.

Registration will begin in July, 2019.

A Letter of invitation for obtaining travel Visas will be available on the ICOLD website when registration opens.

Passport and Visa

Check with Indian High Commission, Embassy, Consulate or travel agent to find out what documents are required to enter India which may be obtained from www.indianvisaonline.gov.in.

Language

Hindi is the national language of India but English, Urdu, Sanskrit, Bengali along with 1652 other approved language are spoken in India.

Weather

The weather in April can range from a low of 26 degrees Celsius, to a high of 36 degrees Celsius; average rainfall is 25 mm.

Currency

Indian Rupees (INR)

Electricity

India's electrical supply and outlets (sockets, wall plugs) of 240 Volts and 50 Hertz (cycles per second).

Distance from Airport

The New Delhi International airport is 40-50 minute drive from ICOLD 2020 venue.

ICOLD 2020 Annual Meeting/Symposium Secretariat

C/o Central Board of Irrigation & Power,
Malcha Marg, Chanakyapuri, New Delhi, India 110 021
Ph. 91-11-26115984 / 26116567, Fax : 91-11-26116347
E-mail : abstracts-papers@icold2020.org Web : www.icold2020.org

For information, please contact

Sunil Sharma, Chief Manager, CBIP
E-mail : sunil@cbip.org M : 91-9811299136