

CBIP Profile

When I read the name of your Board, the words "Irrigation and Power" excite my mind and all kind of ideas come into my mind- ideas of history, long perspectives of human progress and the rest.

– Pandit Jawaharlal Nehru

(on the occasion of the Silver Jubilee of the Board on 17th November 1952)



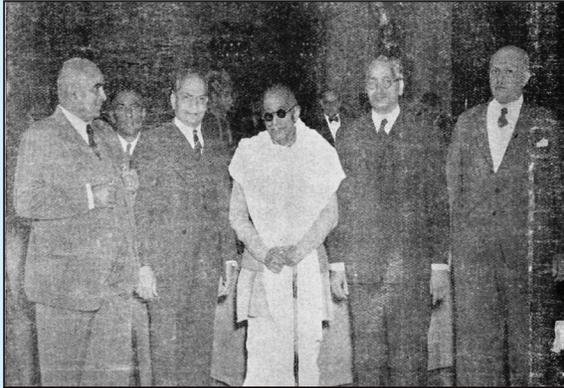
Central Board of Irrigation & Power

More than 8 Decades of Service to the Nation

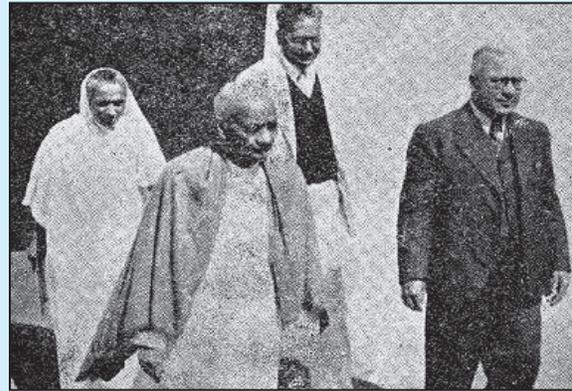
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GLIMPSES OF PAST



His Excellency Shri Chakarvarty Rajagopalacharya, Governor General of India receiving the Members of the Board at the Government House, New Delhi (1949)



The Hon'ble Sardar Vallabh Bhai Patel arriving at the Constitution Club to inaugurate the Twenty-first Annual Meeting of Central Board of Irrigation (1950)



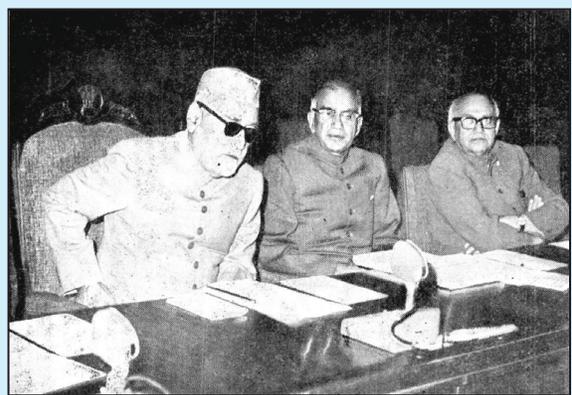
The then Prime Minister of India, Late Pandit Jawahar Lal Nehru arriving to inaugurate the Silver Jubilee Session of the Central Board of Irrigation & Power in 1952



Late Dr. Rajendra Prasad, the then President of India, delivering the inaugural address at the 30th (1959) Annual Session of the Board

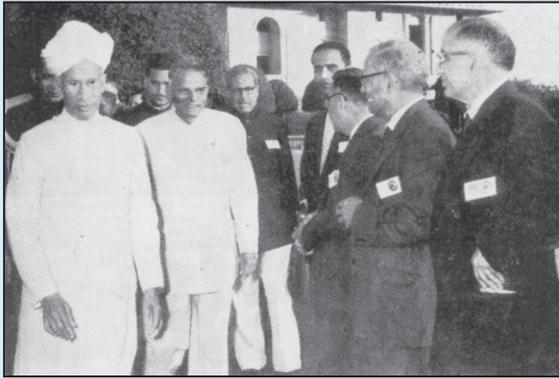


Shri Lal Bhadur Shastri, Union Home Minister, presenting the Gold Medal to Prof. Naladurga Srinivasa Rao Govinda Rao on the Occasion of the 33rd Annual Meeting of the Central Board of Irrigation & Power (1961)



Dr. Zakir Hussain Vice President of India inaugurating the 37th Annual Meeting of CBIP at Vigyan Bhawan, New Delhi (1965)

GLIMPSES OF PAST



Late Dr. S. Radhakrishnan, the then President of India, arriving at 6th Congress on Irrigation and Drainage in 1966



Shri S.N. Gupta, Secretary, Central Board of Irrigation & Power, receiving the CBI&P Award from Shri V.V. Giri, Vice-President of India (1968)



Late Smt. Indira Gandhi, the then Prime Minister of India, arriving to inaugurate the Second World Congress of IWRA on "Water for Human Needs" in 1975



Late Shri Neelam Sanjeeva Reddy, the then President of India giving award for CBIP Publication in 1980.



Late Shri Rajiv Gandhi, the then Prime Minister of India at the CBI&P Book stall (1987)



Dr. Shanker Dayal Sharma, Vice-President of India Releasing the CBIP Publication "Modern Temples of India"(A Commemorative Volume - Jawaharlal Nehru Birth Centenary) (1989)

GENESIS AND GROWTH

- Until 1921, the Government of India and the Secretary of State in London exercised the powers of superintendence, direction and control on all irrigation activities of provincial Public Works Departments, through an Inspector General of Irrigation and a Public Works Secretariat of Government of India with its Secretary as an experienced Engineer.
- With the introduction of the first installment of reforms in 1921 irrigation became a provincial subject. Thereafter, the Public Works Secretariat of Government of India was abolished in 1923 and the post of Inspector General of Irrigation was converted into that of Consulting Engineer.
- Government of India when dealing with new irrigation projects for submission to the Secretary of State in London or matters of dispute between different political units generally took the advice of the Consulting Engineer.
- As advice of one Consulting Engineer for all the provincial states was not considered sufficient, the Government of India in consultation with the provincial states decided to establish Central Board of Irrigation. Chief Engineers (Irrigation) of all the provinces alongwith the Consulting Engineer were regarded as members of the Board. Accordingly, Central Board of Irrigation was constituted on 1st January 1927 with a provision that all schemes submitted to Government of India would be laid before the Board.
- The Board also acted as Advisor/Arbitrator to the Government of India on technical matters in case



*His Excellency the
Viceroy of India
Lord Linlithgow*



Central Board of Irrigation (1930-31) Board Meeting

of any dispute between two state Governments or between the state Governments and former princely states regarding irrigation matters.

- Central Bureau of Information for Irrigation was established in 1929 and attached with Central Board of Irrigation to maintain a comprehensive library of irrigation publications and to act as a clearing house for information needed by provincial officers.
- Government of India and provincial states also decided that w.e.f. 1932-33 the Bureau shall be supported with subscription from the provincial states with Government of India.
- It became an Autonomous Organization in 1932 while retaining rent free accommodation, free printing and stationery at Shimla.
- Ceylon and Burma also became members in 1945.
- **Based on recommendations of this Board, the Government of India set up Central Waterways, Irrigation and Navigation Commission in 1945 which went through many changes after its formation. It got amalgamated with Central Technical Power Board to form Central Water and Power Commission which subsequently got bifurcated into "Central Electricity Authority" and "Central Water Commission".**
- With the inclusion of hydroelectric engineers as members of the Board, **Central Board of Irrigation was renamed as Central Board of Irrigation & Power in 1949.**
- As directed by Govt. of India, the Board was registered under the Registration of Society's Act of 1860 on 21st February 1975 based on Memorandum of Association, Rules and Regulations approved by Govt. of India so that CBIP could continue to avail loans and grants from Government of India.
- The Board had its office initially at Shimla. The headquarters of the Board was shifted from Shimla to New Delhi in 1952 in the barracks of Curzon Road.
- After completion of the new building by CPWD, the Board started operating from the present office building located at Malcha Marg, Chanakyapuri in 1980.
- The Board was instrumental in giving a permanent status to the hydro-dynamic experimental station at Khadakwasla, Pune which is now known as "Central Water and Power Research Station" (CWPRS).
- The proposal of the Board to set up National Institute of Hydrology was accepted by the Govt. of India and the institute was set up at Roorkee in the year 1978.

ORGANISATION OF THE BOARD

- The affairs of the Board are administered, directed and controlled by an Executive Committee consisting of one President, three Vice Presidents (Water Resources, Power and Renewable Energy) and a member each from the organizations which are regularly contributing to the Board.
- The Executive Committee presently comprises of 165 members against 09 in 1931.
- The Engineering Officers of the rank of Chief Engineer or equivalent and above in the fields of Water Resources, Power and Renewable Energy from Central/State Governments, PSU, Private Sector, etc. belonging to the organisations who are members of CBIP, are regarded as members of CBIP general Body and number about 3000.

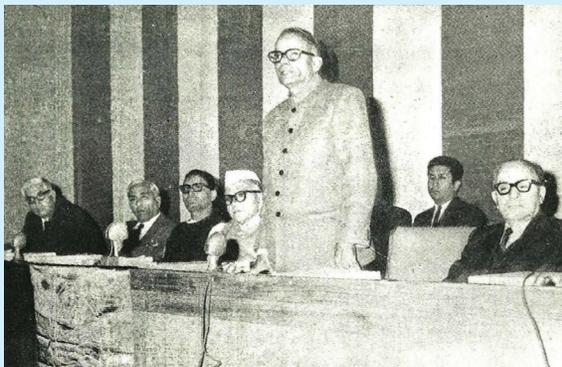
MAIN OBJECTIVES OF CBIP

- Dissemination of technical knowledge and information through various modes, e.g., publication of journals, manuals, technical reports, guidelines, organizing seminars and conferences and recognition of technical excellence through bestowing awards.
- To provide training to the engineers/professionals.
- To provide consultancy services
- To provide research and professional excellence.
- To provide linkages to Indian Engineers, Managers and Scientists with their counterparts in other countries and with international organizations.
- To establish a Technical database, technological developments and to provide information services to the professionals.
- Introduction of Latest Technologies.

INTERACTION WITH INTERNATIONAL / NATIONAL ORGANIZATIONS

The Board functions as the Indian National Group/Chapter for the following international organizations.

- International Commission on Large Dams (ICOLD)
- International Society for Rock Mechanics (ISRM)



Dr. K.L. Rao, Union Minister for Irrigation and Power delivering the Address at the Symposia (1965)



Shri Fakhruddin Ali Ahmed, Union Minister for Industrial Development and Company Affairs delivering the Inaugural Address at the Symposia on Pre-cast Techniques in Irrigation and Power Structures and Forecasting the Future (1968)

- International Tunnelling and Underground Space Association (ITA)
- International Water Resources Association (IWRA)
- World Water Council (WWC)
- International Geosynthetics Society (IGS)
- International Council on Large Electric Systems (CIGRE)
- International Hydropower Association (INHA)
- International Conference on Electricity Distribution (CIRED)

In addition, following organisations are being run by CBIP. International Association for Small Hydro (IASH), International Association on Electricity Generation, Transmission & Distribution (Afro-Asian Region) (AARO), Society of Power Engineers (SPE).

ACTIVITIES

RESEARCH ACTIVITIES

- CBIP had been coordinating and monitoring R&D activities, assisting in specific case studies/problems, documentation and dissemination of the results/findings of Research Projects to the practising engineers under the Research Scheme on Power – (RSOP), Research Scheme on River Valley Projects (RSRVP), Research Scheme on Flood Control (RSFC) and Research Scheme on Plasticulture Development (RSPD). Funds for Research Schemes under RSRVP and RSFC were provided by Ministry of Water Resources and for RSOP by Ministry of Power.
- The results of the research conducted at the various Water Resources and Power Research Stations in the country were discussed in CBIP Annual Research Sessions. Now R&D sessions are organised by CBIP every two years.

DISSEMINATION OF TECHNICAL KNOWLEDGE THROUGH PUBLICATIONS

- The Board publishes Technical Literature and journals including manuals, guidelines, specifications, etc., (related to the fields of Water Resources, Power and Renewable Energy Sectors)
- Till date about 1500 Technical publications have been brought out by CBIP.
- CBIP is publishing “monthly” issue of Water and Energy International Journal, covering special features on development and management of the activities in water resources, power and renewable energy sectors.
- Indian Chapters of various International Societies such as ICOLD, ITA, IWRA, ISRM, IGS, WWC, CIGRE, AARO, IASH, SPE and INHA having Secretariat in CBIP are also bringing out half-yearly journals.
- Old publications/Manuals are also reviewed and updated periodically.
- The manuals of CBIP are broadly referred/quoted by the manufactures/utilities in the country and abroad.

DISSEMINATION OF KNOWLEDGE THROUGH NATIONAL/INTERNATIONAL CONFERENCES

- The Annual Session of the Board held in November 1936 was inaugurated by His Excellency the Viceroy Lord Linlithgow.
- Pt. Jawaharlal Nehru, the then Prime Minister of India had inaugurated the Board Sessions in 1948, 1952, 1953 & 1958.
- 30th Annual Session of Board held in November 1959 was inaugurated by Late Dr. Rajendra Prasad, the then President of India.
- Late Smt. Indira Gandhi, the then Prime Minister of India inaugurated the Board Session in 1967 and World Water Congress in 1975.
- Golden Jubilee of CBIP Session was inaugurated by Late Shri B.D. Jatti, the then Acting President of India in 1977.



The then Hon'ble Union Minister of Power Shri Sushilkumar Shinde inaugurating the World Tunnel Congress on 22nd September 2008 at Agra.



Hon'ble Union Minister of Water Resources, Mr. Pawan Kumar Bansal, Hon'ble Minister of State for Communication & IT, Mr. Sachin Pilot, Hon'ble Finance Minister Mr. Pranab Mukherjee during releasing the special postal cover at the Valedictory Session of 5th Asian Regional Conference of ICID at Vigyan Bhawan on 11-12-2009

- The Thirteenth Congress on Large Dams celebrated as Golden Jubilee Congress of the International Commission on Large Dams (ICOLD) was inaugurated by Shri K.C. Pant, the then Minister for Energy, Govt. of India on 29th October, 1979 at New Delhi.
- Diamond Jubilee Session of the Board was inaugurated by Late Shri Rajiv Gandhi, the then Prime Minister of India in 1987.
- Platinum Jubilee year of CBIP was celebrated on completion of its 75 years in 2002.
- CIGRE Administrative Council Meeting was held at Bangalore in 2005.
- 12th World Water Congress of IWRA was organised at New Delhi in 2005.
- Two Decades of Geosynthetics in India was celebrated at New Delhi during 2006.
- World Tunnel Congress held at Agra in 19-25 September 2008. Her Excellency the President of India Smt. Pratibha Devisingh Patil addressed the participants (through recorded video) and appreciated the efforts of CBIP.
- Seminar on Solar Power was inaugurated by Dr. Farooq Abdullah, Hon'ble Union Minister for MNRE. on 9th February 2010
- International Conference on Accelerated Development of Hydropower in Bhutan was held at Thimpu, during 16-18th November 2010, which was inaugurated by Hon'ble Prime Minister of Bhutan, H.E. Lyonchhoen Jigmi Y Thinley.
- Conclaves were organised by Ministry of Power, Govt. of India and Central Electricity Authority (CEA) with Central Board of Irrigation & Power as Co-organiser during 2007, 2008 & 2009 on Accelerated Development of Power Development in North Eastern Region and organised two conclaves on Contract Management.



Dr. Farooq Abdullah, Hon'ble Union Minister for New and Renewable Energy, was inaugurated the Seminar on "Solar Power Development in India and Related Technologies", 9th February 2010.

- 60th International Executive Council Meeting of ICID and 5th Asian Regional Conference held at New Delhi during 6-11 December 2009, was inaugurated by Dr. Manmohan Singh, Hon'ble Prime Minister of India.
- India Water Week 2012 was inaugurated by Dr. Manmohan Singh Hon'ble Prime Minister of India held from 10th to 14th April 2012 in Vigyan Bhawan, New Delhi
- CBIP has organised 1700 National and International Conferences on various advanced technologies, upto December 2012.

TRAINING ACTIVITIES

CBIP has been organizing a number of National and International Training programmes to help the Indian Engineers/Professionals to update their knowledge and help them to gain practical know-how in power, water resources, and renewable energy sectors. CBIP has number of experienced personnel in these sectors to impart training besides its members who are utilized as Guest Faculty.

CBIP has ventured in a big way to provide training in the field of Hydro and Thermal Power Sector and trained more than 550 engineers in 11 batches of NTPC Ltd itself. It has organized about 65 programs during last three years on various thrust areas of these sectors. CBIP organizes long term, medium term and short term training programs for in service/fresh engineers, diploma engineers and non technical staff.

Keeping in view the requirement of large groomed man power during the forthcoming five years plans CBIP has now launched following industry oriented placement linked training programmes:

- 26 weeks Post Graduate Diploma in T&D System - Two batches already completed and 3rd batch is in progress.
- 52 weeks Post Graduate Diploma in Thermal Power Plant Engineering 1st batch completed, 2nd in progress.

- 26 weeks Post Diploma in Sub-Transmission & Distribution System starting in September 2013.
- 52 weeks Post Graduate Diploma in Thermal Power Plant Engineering for Diploma holders starting in September 2013

CBIP also conducts residential as well as tailor made training courses for various utilities.

RECOGNITION OF CBIP INSTITUTE FROM MINISTRY OF POWER, GOVT. OF INDIA

CBIP has been recognized as category-1 training institute for providing training in the field of Hydro, Thermal, Transmission and Distribution and Power Management etc. by Ministry of Power, Govt. of India. The long term courses offered by CBIP are recognized career linked courses.

CBIP CENTRE OF EXCELLENCE AT GURGAON

CBIP is coming up with its CBIP CENTRE OF EXCELLENCE having multi storied complex of six floors and two basements with covered area of 60,000 sq. feet at Sector 32 in Gurgaon which will be operational by July, 2013. This new complex will be equipped with the state-of-the-art Lecture Halls, Conference Rooms, Syndicate Rooms, Faculty Rooms and other instructional facilities apart from the Control & Instrumentation Laboratory, Thermal Laboratory, Hydro Laboratory, Transmission & Distribution Laboratory and Computer Laboratory with dedicated networking and a Learning Resource Center. A well equipped library with digitized version of books and journals will be used as open learning centre.

CONSULTANCY SERVICES

Consultancy is one of the thrust areas of CBIP and it under takes consultancy jobs in various areas related to Power, Water Resources and Renewable Energy Sectors. It has provided consultancy services to TATAs, KPCL, WPC Australia, APSEB, TNEB, IREDA, India Canada Environment Facility (ICEF), CPRI, US Hydro Power Council for International Development, PTC India Ltd. Indraprastha Power Generation Company Limited (IPGCL)/ Pragati Power Company Ltd. etc. Some of the areas where CBIP provides consultancy are indicated below:

- Manpower Planing & TNA Studies
- Preparation of O&M manuals.
- Recruitment of Technical and Non technical staff on trunked basis
- Preparation of DPR
- Setting and establishment of training institutes in any discipline of power sector.
- Consultancy for setting up Solar Power Plants

GLIMPSES OF PRESENT



Her Excellency the President of India, Smt. Pratibha Devisingh Patil addressed the participants through recorded video on inaugural session of World Tunnelling Congress at Agra in September 2008



Hon'ble Prime Minister Dr. Manmohan Singh inaugurating the 5th Asian Regional Conference on 10th December 2009 at Vigyan Bhawan, New Delhi managed by Central Board of Irrigation & Power (CBIP) on behalf of Ministry of Water Resources (MoWR) and Central Water Commission (CWC)



Hon'ble Minister for Water Resources, Mr. Harish Rawat Inaugurating the Tunnelling Asia 2013 - Using Underground Space for Infrastructure Projects : Issues and Challenges Conference by Lighting a Lamp



International Conference on Accelerated Development of Hydropower in Bhutan - Opportunities and Challenges. Group photo of Participants of the Conference with Hon'ble Prime Minister (First Row in the centre) and Hon'ble Minister of Economic Affairs of Royal Govt. of Bhutan (First Row 2nd from left) on 16-18 November 2010, Thimphu Bhutan.



OFFICE BEARERS OF CENTRAL BOARD OF IRRIGATION & POWER

President – A.S. Bakshi, Chairperson, CEA
 Vice-President (WR) – A.B. Pandya, Member (D&R), CWC
 Vice-President (RE) – Tarun Kapoor, Jt. Secretary, MNRE
 Vice-President (Power) – Dr. H.R. Sharma, Chief Tech. Principal, Tractebel Engg.
 Secretary – V.K. Kanjlia • Director – P.P. Wahi
 Director (WR) – A.C. Gupta • Director (E) – C.S. Malik