

The Monthly Newsletter of Central Water Commission

KEY EVENTS



Hon'ble President Shri Ram Nath Kovind and others releasing the proceedings during Inauguration of 6th India Water Week (IWW) on 24.09.19



Hon'ble Minister for Jal Shakti being felicitated by Chairman, CWC during inauguration of IWRM Workshop at NIH Roorkee on 04.09.19



Sh. Narendra Narayan Yadav, Hon'ble Minister, Minor Water Resources Dept., Govt. of Bihar inaugurating workshop on "River Health: Water Quality" at Patna on 20.09.19

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Message

Arun Kumar Sinha
Chairman, CWC

Hon'ble President Shri Ram Nath Kovind inaugurated the 6th India Water Week – 2019 on 24th Sep 2019. The theme of this year's India Water week was "Water cooperation: Coping with 21st Century Challenges". In his address, the President impressed upon the need of cooperation amongst different stakeholders to face the challenges concerning water effectively. Water issues are too multi-faceted and complex to be resolved by only the government alone and requires wider consultation and people's participation. He also stressed the need to reduce our "water-footprint" on similar line to "carbon-footprint" and to value our ground-water & be responsible with its usage. He appealed to ensure that our precious rainwater does not go waste and is conserved. Union Minister for Jal Shakti Shri Gajendra Singh Sekhawat in his inaugural address said that India is eager to share the best practices and also to learn from experiences of others on all important issues relating to water, as such discussions in forum like IWW-2019 help in fine tuning policies and strategies for optimal utilization of this valuable resource.

Ministry of Jal Shakti has been organizing India Water Week since 2012 as an international event to focus on water related issues. Five editions of India Water Week have been organized so far. IWW-2019 witnessed large congregation comprising of around 1500 delegates including 75 foreign delegates from 27 countries and 450 school children. Japan and European Union were associated as partner countries for this mega event. CWC officers played key role in organizing the event by handling more than thirty technical sessions, brainstorming sessions and panel discussion etc. dealing with diverse and ever-evolving topics of water sector. Senior officers chaired and guided various sessions whereas officers at middle level shared their

views and technical expertise through enlightening presentations.

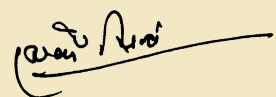
A workshop on 'Integrated Water Resources Management (IWRM)' under National Hydrology Project was organized by CWC in collaboration with National Institute of Hydrology during 4-5 September 2019 at Roorkee. It was inaugurated by Shri, Gajendra Singh Shekhawat, Hon'ble Minister of Jal Shakti wherein he highlighted the importance of adopting integrated approach for management of water resources in the country. He emphasized the need for adopting state-of-the-art IWRM such as in Murray-Darling Basin implemented by Australia.

A workshop on "River Health: Water Quality" as part of CWC's 75th year celebration was organized by Lower Ganga Basin Organisation, CWC on 20th September, 2019 at Patna. The workshop was inaugurated by Shri Narendra Narayan Yadav, Hon'ble Minister, Minor Water Resources Department, Government of Bihar and attended by senior officers of stakeholder organizations. Hon'ble Minister appreciated the contribution of CWC in the field of Water Resources and congratulated the officers and staff on the completion of 75 years of national service by CWC.

Towards the end of Sep 2019, the Country received surplus rainfall bettering the water storage in the major reservoirs as compared to previous years. This will have positive impact on the agrarian economy. However, some part of the country faced the flood situation also.

I would be retiring on super-annuation in October 2019 after 36 years of service. It has been a journey full of learning which witnessed tremendous progress, challenges and opportunities in the water sector. It has been my immense pleasure to head the apex organisation in water resources sector of the country. I am of the considered view that CWC with its competent technical workforce is capable of making the country water secure.

I convey my best wishes to all the organizations, officers and people working for the betterment of vital water sector which is essential for development of the nation and well being of its people.



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6th India Water Week(IWW)



The 6th India Water Week 2019 with the theme –Water Cooperation- Coping with 21st century challenges was organized during 24-28 September 2019 at Vigyan Bhawan, New Delhi by the Department of Water Resources, River Development and Ganga Rejuvenation, the Ministry of Jal Shakti in co-ordination with nodal Ministries of Agriculture; Environment, Forest and Climate Change; Rural Development; Urban Development; Power; New and Renewable Energy; NITI Aayog along with their associated expert organizations and Public Sector Units and European Union and Japan as international partners.

The 6th IWW-2019 was inaugurated by Hon'ble President of India on 24th September 2019. Speaking on the occasion, the President said that cooperation between different stakeholders is critical if we are to face the challenges concerning water effectively. Water issues are too multifaceted and complex to be solved by only the government or just one nation. All nations and their water communities have to come together to help build a water sustainable future for all. The President emphasized that we often talk of reducing our "carbon-footprint". It is time we talk to reducing our "water-footprint" as well.

During the inaugural session of the event, Union Minister for Jal Shakti Shri Gajendra Singh Shekhawat said that India is eager to share the best practices and also to learn from experiences of others on all important issues relating to water, as such discussions help in fine-tuning the policies and strategies for optimal utilization of this valuable resource. The Minister said that in the face of the geographical diversity of India and the problems related to waters, Ministry has come up with Jal Shakti Abhiyan, which is a collaborative effort of the Central and State Governments to accelerate progress on water conservation activities in the most water-stressed blocks and districts of India.

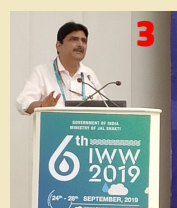
In his address, the Minister of State for Jal Shakti Shri Rattan Lal Kataria said that cooperation is a must for a sustainable tomorrow and Jal Shakti Ministry is an example in itself of such cooperation. He said that for better water governance, the Indian government has merged several departments related to water and sanitation into a new integrated Ministry of Jal Shakti.

Speaking on the occasion, Secretary, Department of Water Resources, River Development and Ganga Rejuvenation Shri U.P. Singh said that while challenges have always existed in the water sector, climate change has major implications on water resources and India is particularly vulnerable to this aspect. He, however, added that the challenges of water management present an opportunity to convert risk to resilience, poverty to well-being and degraded ecosystems to vibrant ones.

IWW-2019 witnessed large congregation comprising of around 1500 delegates including 75 foreign delegates from 27 countries and 450 school children. 62 Exhibitors participated in the exhibition organized at Indira Gandhi National Centre for Arts (IGNCA), New Delhi to support the theme and showcase the technologies, latest developments and available solutions in the water resource sector. IWW-2019 covered various events comprising 12 Panel Discussions, 15 Sessions, 4 Brain Storming Sessions & 6 Special Sessions. Around 193 papers were contributed and 162 papers were presented by various delegates in these sessions.

Officers of CWC played a very important role in successfully managing and conducting all technical sessions. Senior officers of CWC chaired/co-chaired and guided various sessions. Many officers of CWC also presented technical papers in various sessions; participated as Panellist and Experts in these sessions. Details of some of them are given below.

Sl. No.	Name of officer & Designation	Topic
1.	Shri Ravi Shanker, Chief Engineer, CWC, New Delhi	Sustainable Sediment Management in Indian River Basins
2.	Shri Bhopal Singh, Chief Engineer, CWC, Lucknow	Challenges in the Implementation of E-flows in Ganga Basin
3.	Shri Vijay Saran, Chief Engineer(IMO), CWC, New Delhi	Water Scarcity and Challenges Ahead (Panellist)
4.	Shri N. N. Rai, Director, CWC, New Delhi	Flood Disaster Challenges and Mitigation Strategies- A case study of Kerala Flood 2018
5.	Sh. Arkaprabha Majumdar, DD, CWC, New Delhi	Sedimentation in water storage reservoirs-Indian Perspective
6.	Ms. Isly Issac, Assistant Director, CWC, New Delhi	Probability based Rule levels for Kerala Reservoirs
7.	Mrs. Karishma Bhatnagar Malhotra, Assistant Director, CWC, New Delhi	Real Time Assessment of Volume of Water Stored in Reservoirs using Remote Sensing Technique
8.	Mrs. Shobhika Singh, Assistant Director, CWC, New Delhi	Characteristics and Uses of Sediments of Ganga and Brahmaputra



Exhibition during IWW-2019

During 6th IWW-2019, an exhibition was also organized at Indira Gandhi National Centre for Arts (IGNCA), New Delhi to support the theme and showcase the technologies, latest developments and available solutions in the water resource sector. The exhibition was inaugurated by Sh. Gajendra Singh Shekhawat, Hon'ble Minister of Jal Shakti. The exhibition witnessed participation from 63 exhibitors including those from EU, Japan & Oman. Central Water Commission also participated in this exhibition and displayed various models, posters, flex banners etc. Models displayed by the Central Water Commission on micro-irrigation techniques and domestic & industrial pollution were the main attraction. Central Water Commission stall attracted a huge crowd in and around Delhi during the four days of the exhibition. All the visitors were explained thoroughly about the water resources development in India and especially about conservation of water.



Hon'ble Minister at CWC Stall



Students at CWC Stall

Workshop on Integrated Water Resources Management (IWRM)

A workshop on 'Integrated Water Resources Management (IWRM)' under the National Hydrology Project was conducted by Central Water Commission, in collaboration with the National Institute of Hydrology during 4-5, September 2019 at Roorkee. It was inaugurated by Sh. Gajendra Singh Shekhawat, Hon'ble Minister of Jal Shakti along with Sh. Parameswaran Iyer, Secretary, D/o Drinking Water & Sanitation, Ministry of Jal Shakti, Sh. A. K. Sinha, Chairman, Central Water Commission and Australian delegates including Dr. D. J. Blackmore, Chair, e-Water & Former CEO of Murray Darling Basin Commission, Australia and Prof. Rob Vertessy, Principal, Global Change Advisory, Australia. Senior officers of Ministry, CWC, CGWB, NIH etc. were present on the occasion. Shri, Gajendra Singh Shekhawat, Hon'ble Minister of Jal Shakti in his inaugural address highlighted the importance of adopting an integrated approach for management of water resources in the country. He emphasized the need for adopting state-of-the-art IWRM such as in Murray-Darling Basin implemented by Australia.

The workshop consisted of 3 sessions including 16 presentations by noted experts on various aspects of IWRM. Eminent water professionals from Australia, Europe and India shared their experiences as a resource person. The presentations were a blend of the topics of utmost relevance ranging from a success story in Murray Darling basin to various initiatives taken in India in this direction.

Recommendations emerged out of the workshop are enumerated as under.

- Integrated Water Resources Management (IWRM) is the need of the hour and all concerned should make a concerted effort in this direction.
- A lesson is to be learnt from all successful IWRM model specifically from the experiences shared by Australian experts (Murray Darling Basin).
- All stakeholders must be actively involved in the process of IWRM planning and implementation.
- State-of-the-art technology must be adopted for the formulation of IWRM plan and strategy.
- Suitable legislative framework, constitutional and legal provisions must be made for IWRM.
- An appropriate institutional arrangement must be in place (viz. River Basin Organisation) for implementation of IWRM plan.
- A suitable allocation model based on the priorities and need of the stakeholders may be explored through viable trade-off.
- A regulatory provision for redressal and reconciliation of conflicting demands of stakeholders must be made.



Workshop on “River Health: Water Quality”

A workshop on “River Health: Water Quality” as part of CWC’s 75th-year celebration was organized by Lower Ganga Basin Organization, CWC on 20th September 2019 at Patna. The workshop was inaugurated by Shri Narendra Narayan Yadav, Hon’ble Minister, Minor Water Resources Department, Government of Bihar and attended by Shri Arun Kumar Sinha, Chairman, Central Water Commission and other senior officers of Central Water Commission, Water Resources Department, Government of Bihar, Ganga Flood Control Commission, Patna, Central Ground Water Board, Patna. Hon’ble Minister appreciated the contribution of Central Water Commission in the field of Water Resources and congratulated the officers and staff on the completion of 75 years of national service by Central Water Commission. He expressed his concern over degradation of river water quality in the wake of population growth, urbanization and lack of public consciousness and stressed on the need of suitable treatment before releasing effluent/sewage in the river.

Many Government Organizations and Educational and Research Institutes from various states including Bihar, Punjab, Haryana, Jharkhand, Telangana, West Bengal, Assam, etc. also participated in this workshop. Officials of several Departments, scientists and academicians, including Bihar State Pollution Control Board, National Institute of Technology, Patna, Ganga Flood Control Commission, WALMI, NERIWALM, Public Health Engineering Department, Urban Development Department, Water Resources Department, Minor Water Resources Department, etc. made active participation in this workshop.



Speaking on the occasion, Chairman, CWC informed that Government of India is running an awareness campaign in relation to water conservation under “Jal Shakti Abhiyan” which has enhanced public consciousness regarding all aspects of water including its quality. The same needs to be further strengthened and consolidated.

Papers were presented and discussions were held on various topics related to Water Quality issues in different parts of India. It was decided that the discussions and recommendations held during this workshop will be integrated into the formulation of appropriate policy in the area of water quality.

Inter-Ministerial Central Team (IMCT) visit in the Wake of Floods/Landslide during Monsoon 2019

CWC’s Officers have been nominated in different Inter-Ministerial Central Teams for on-the-spot assessment of the situation in the wake of floods/landslides during monsoon 2019. These officers along with the team visited Assam, Himachal Pradesh, Kerala, Punjab, Meghalaya, Tripura and Rajasthan during the month of September 2019.

Punjab

The Inter-ministerial Central Team for Punjab in which Sh. Vineet Gupta, Superintending Engineer, CWC, Chandigarh is representing Ministry of Jal Shakti (MoJS) visited the flood-affected areas, damaged fields and villages, breached river banks, damaged electric poles/lines, houses, crops etc. at various locations in the Districts of Roopnagar, Jalandhar and Kapurthala of Punjab during 12th –13th September 2019 for on-the-spot first-hand assessment of the damages and relief works carried out by the State Administration.

The team also interacted with officials of the concerned State Departments, local persons & victims on the various aspects of flood damages, extent of damage, impact on their livelihoods, losses caused, actions taken to restore the situation to normalcy and assistance already provided to those affected and further financial assistance required to sustain their livelihood in future.



Rajasthan



Sh. S. D. Sharma, Director, CWC, Jaipur visited flood-hit Baran and Jhalawar districts of Rajasthan as a member of Inter-Ministerial Central Team (IMCT) for on the spot first-hand assessment of damage and relief works carried out by the state government.

Inter-Ministerial Central Team (IMCT) visit

Himachal Pradesh

The IMCT for Himachal Pradesh in which Sh. O.P Gupta, Superintending Engineer, CWC, Shimla represented Ministry of Jal Shakti (MoJS) visited the damaged/affected stretches of roads at various locations, water supply/irrigation schemes, damaged electric poles/lines, houses, crops etc. in Bilaspur, Kangra and Shimla districts of Himachal Pradesh during 4th – 6th September 2019.

Tripura and Meghalaya

IMCT visited the flood-affected areas of Tripura and Meghalaya during 4-8th September 2019. Sh. Abhishek Sinha, Superintending Engineer,

Meghna Circle, CWC, Silchar represented MoJS in the team.

Kerala

IMCT for Kerala visited Alappuzha, Thrissur and Ernakulam districts during 16-19th September 2019. Sh. V. Mohan Murali, Superintending Engineer, CWC, Bengaluru represented MoJS in the Team.

Assam

IMCT visited the affected areas in Assam during 4-6th September 2019. Sh. V D Roy, Superintending Engineer, CWC, Guwahati represented MoJS in the Team.



IMCT with Hon'ble CM of HP



IMCT with Hon'ble CM of Meghalaya



IMCT in Meghalaya



Affected embankment in Assam



Damage in HP



Damaged Road in HP



IMCT in Kerala



Damaged Road in Kerala



IMCT in Assam



Damage in Assam

Flood Situation in the Country

Cumulative Rainfall from 1st June 2019 to 30th September 2019 was 'Normal' to 'Large Excess' over all basins in the country except Chenab and Upper Yamuna basins where rainfall was 'Deficient'.

During the month of September, several parts of the country reeled under floods.

4 CWC stations observed **Extreme Flood Situation** out of which two were in the State of Rajasthan and one each in Uttar Pradesh and Madhya Pradesh.

Severe Flood Situation was observed on 94 CWC Stations in the State of Arunachal Pradesh, Assam, Andhra Pradesh, Bihar, Chhattisgarh, Jharkhand, Himachal Pradesh, Kerala, NCT Delhi, Odisha, Uttarakhand, Uttar Pradesh, West Bengal, Maharashtra, Madhya Pradesh and Gujarat during May to September 2019.

50 CWC Stations in State of Assam, West Bengal, Bihar, Maharashtra, Madhya Pradesh, Haryana, Odisha, Kerala, Telangana, Gujarat, Uttarakhand, Uttar Pradesh, Tamilnadu, Andhra Pradesh and Jammu & Kashmir observed **Above Normal Flood Situation** during May to September, 2019.

Inflow Forecasts have been issued to 67 Reservoirs and Dams up to September 2019.



Project Monitoring

CWC through its HQ and field offices monitors the water resources projects under execution. This helps in the identification of bottlenecks, ensures that the funds are being utilized properly and forms the basis for assessing further funding requirements.

A total of 9 monitoring visit has been carried out by CWC field units for on-going prioritized projects under Pradhan Mantri Krishi Sinchayee Yojana – Accelerated Irrigation Benefit Programme (PMKSY-AIBP). Every week i.e. on Thursday and Friday Chairman, CWC is taking review meeting, through Video Conferencing with all field organizations/units of CWC to review the progress of ongoing priority projects under PMKSY-AIBP.

Four Central Assistance (CA) proposals for release of 1st instalment of Rs. 15.53 crore in respect of U.P., Rs. 7.85 crore in respect of J&K, Rs. 15.50 crore for terminal instalment in respect of Karanja irrigation project of Karnataka and Rs. 12.13 crore for 1st instalment in respect of Rajiv Bhima LIS of Telangana have been forwarded to Ministry of Jal Shakti with due recommendation of CWC HQ.

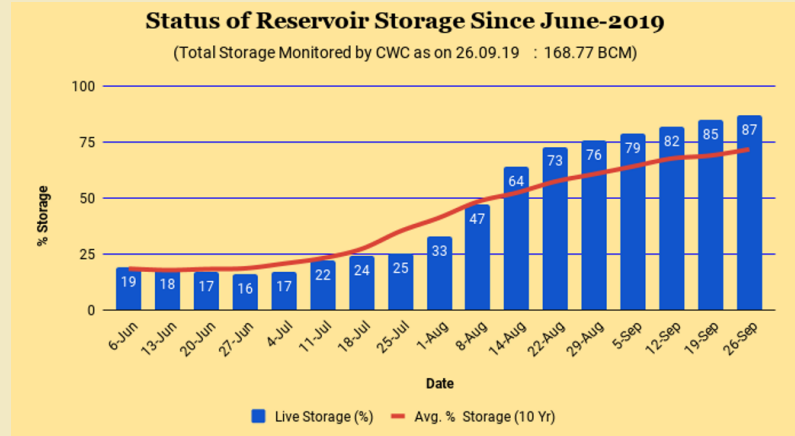
In addition to the above, Fast Track Proforma Clearance (FTPC) in respect of Subarnarekha Multipurpose Project of Jharkhand for AIBP Work Component of Rs. 9579.58 crore was cleared on 06.09.2019.

Water Conservation in Reservoirs

CWC is monitoring live storage status of 107 reservoirs of the country on a weekly basis and is issuing a weekly bulletin on every Thursday. During the month of September, six additional reservoirs have been included in this monitoring.

The total live storage capacity of these 113 reservoirs is 168.77 BCM which is about 65.46% of the live storage capacity of 257.812 BCM which is estimated to have been created in the country. As per reservoir storage bulletin dated 26.09.2019, live storage available in these reservoirs is 146.203 BCM, which is 87% of the total live storage capacity of these reservoirs.

The live storage available in 113 reservoirs is 115% of the live storage of corresponding period of last year and 121% of storage of average of the last ten years.



केंद्रीय जल आयोग में हिंदी दिवस व हिंदी पखवाड़ा

हिंदी के प्रचार-प्रसार को अविरत रूप से स्थापित करने के लिए राजभाषा विभाग, गृह मंत्रालय द्वारा जारी निर्देशों के अनुपालन में प्रत्येक वर्ष सितम्बर मास में हिंदी पखवाड़ा, सप्ताह अथवा दिवस का आयोजन किया जाता है। इस निर्देश को ध्यान में रखते हुए केन्द्रीय जल आयोग में विगत वर्षों की भांति इस वर्ष 2019 में भी 14 सितम्बर 2019 को हिंदी दिवस व इसके बाद हिंदी पखवाड़ा के लिए सभी अधिकारियों/कर्मचारियों की सहभागिता से बहुत ही जोश एवं उत्साह के साथ कई गतिविधियाँ व कार्यक्रम संपन्न हुए।

आयोग में दिनांक 16 सितम्बर, 2019 को हिंदी पखवाड़ा का शुभारंभ प्रशिक्षण हॉल में अध्यक्ष, महोदय के कर-कमलों द्वारा किया गया। उन्होंने अपनी उपस्थिति से आयोजन की गरिमा बढ़ाते हुए अपने विचारों से सभी को हिंदी में अधिकाधिक कार्य करने एवं प्रतियोगिताओं में बढ़ी संख्या में भाग लेने हेतु प्रोत्साहित किया।

हिंदी पखवाड़ा के दौरान सात प्रतियोगिताओं नामतः (1) हिंदी टिप्पण-आलेखन प्रतियोगिता (2) श्रुतलेखन प्रतियोगिता (3) हिंदी निबंध लेखन प्रतियोगिता (4) हिंदी टंकण प्रतियोगिता (कंप्यूटर पर) (5) तकनीकी भाषण प्रतियोगिता (विषय- भारत में घटते भूजल की स्थिति- कारण एवं निवारण) (6) अनुवाद प्रतियोगिता (7) काव्य प्रतियोगिता का आयोजन हुआ तथा सभी कार्मिकों ने बढ़-चढ़ कर प्रतियोगिताओं में भाग लिया। दिनांक 24.09.2019 को "राजभाषा नीति एवं हमारा कर्तव्य" विषय पर एक हिंदी कार्यशाला का भी आयोजन किया गया।

आयोग में दिनांक 30 सितम्बर, 2019 को हिंदी पखवाड़ा का समापन समारोह प्रशिक्षण हॉल में संपन्न हुआ। अध्यक्ष, महोदय के कर-कमलों द्वारा हिंदी पखवाड़ा के दौरान आयोजित विभिन्न प्रतियोगिताओं में तथा राजभाषा विभाग, गृह मंत्रालय की विभिन्न योजनाओं के अंतर्गत प्रतिभागी विजेताओं को पुरस्कृत किया गया। कुछ विजेताओं को आयोग के अन्य उच्च अधिकारियों द्वारा भी पुरस्कृत किया गया। पुरस्कार विजेताओं को प्रमाण-पत्र, शील्ड व नकद धनराशि से नवाजा गया। पुरस्कारों की नकद धनराशि में प्रथम पुरस्कार 3000/- ₹, द्वितीय पुरस्कार 2000/- ₹ एवं तृतीय पुरस्कार 1500/- ₹ रखे गए थे। साथ ही प्रत्येक प्रतियोगिता के लिए 1000/- ₹ के तीन-तीन सांत्वना पुरस्कार भी रखे गए थे। राजभाषा शील्ड योजना के अंतर्गत वर्ष 2018-19 में हिंदी में अधिकाधिक कार्यों के लिए केन्द्रीय जल आयोग (मुख्यालय) में नदी प्रबंध समन्वय



निदेशालय एवं स्थापना-3 अनुभाग को राजभाषा शील्ड से सम्मानित किया गया जबकि केन्द्रीय जल आयोग के अधीनस्थ क्षेत्रीय कार्यालयों में "क" क्षेत्र के यमुना बेसिन संगठन, नई दिल्ली, "ख" क्षेत्र में राष्ट्रीय जल अकादमी, पुणे तथा "ग" क्षेत्र में ब्रह्मपुत्र एवं बराक बेसिन संगठन, शिलांग को राजभाषा शील्ड से सम्मानित किया गया।

Swachhata Hi Seva

Swachhata Hi Seva (SHS) 2019, a Jan Andolan for Swachhata, was organised from 11th September in all the offices of CWC. Officers and staff of CWC-HQ, as well as Regional Offices, wholeheartedly contributed towards this activity.

This campaign was focused on Plastic Waste Management, given the detrimental effect of uncollected plastic waste on human beings, animals and the environment at large. From 3rd October till 27th October (Diwali), the collected plastic waste will then be effectively recycled and disposed of.

All Central and State Governments are being encouraged to ban the use of Single-Use Plastic (SUP) products during the campaign period.



CWRC Meeting

During the month, two meetings (15th & 16th) of the Cauvery Water Regulation Committee (CWRC) were held at New Delhi under the chairmanship of Sh. Navin Kumar, Chairman, CWRC on 6th September & 26th September 2019 respectively. During the meetings, besides reviewing the hydro-meteorological situations in the Cauvery Basin, discussions were held on the modified proforma for submitting the data by the party States and draft report of Seasonal and Annual Water Account for the Water Year 2018-19.



Dam Rehabilitation and Improvement Project (DRIP)



The 9th Meeting of National Level Steering Committee (NLSC) under the Chairmanship of Secretary, DoWR, RD & GR, Ministry of Jal Shakti to review the progress of DRIP was held on 12 September 2019 in New Delhi. Project is scheduled for closure in June 2020.



The 5th Meeting of DSRP Empanelment Committee under the Chairmanship of Member (D&R), CWC was held on 13.09.19 in New Delhi to discuss the empanelment of received applications. During this meeting, 18 applications were discussed, 13 names were approved.



Quality Management Systems (QMS) conforming to ISO 9001:2015 have been established in the Central Dam Safety Organisation (CDSO) and certification obtained from the BIS. The 15th Management Review meeting was held on 09 September 2019 in CWC, New Delhi.

Dissemination of EAP and Stakeholder Consultation Meetings under DRIP

Kerala State Electricity Board Ltd. (KSEBL) has prepared and published 24 Emergency Action Plans (EAPs) out of its 37 DRIP dams. The Stakeholders Consultation Meetings (SCMs) pertaining to the 5 dams was done earlier. The dissemination and SCMs for 10 dams located in Periyar river basin were done in Ernakulam and Idukki districts on September 19-20, 2019. During these meetings, the concepts and contents of dam specific EAPs, roles and responsibilities of several Central and State agencies which are part of disaster management were deliberated so that all agencies could work in a coordinated and synchronised way in case of a dam failure.

During these meetings dam break consequences were informed to all stakeholders along with other technical details. Officials of NDMA, NDRF, GSI, NRSC, IMD, AIR, CWC, World Bank, besides officials from several Kerala State and District administrations participated. The stakeholder meeting is a paradigm shift in managing the disaster in case of dam failure to make India a more disaster-resilient country.



Second Consultation and Review Meeting on DRIP Phase II & Phase III

Second Consultation and Review Meeting was organized in New Delhi under the Chairmanship of Secretary, DoWR, RD & GR, Ministry of Jal Shakti on 12th September 2019 wherein status of preparatory activities was appraised and various policy issues were deliberated for the effective commencement of the project in April 2020.

Preparatory activities are in full swing for starting DRIP Phase II & Phase III. After the first stakeholder's consultation meeting held in March 2019, CWC and World Bank officials held individual consultation meetings with the participating States to guide and support in the preparatory activities. During September 2019 the consultation meetings were held in Manipur (02 September), Meghalaya (04 September), Bihar (06 September); and West Bengal (14 September).



Visits/Meeting



A team under the leadership of Member (WP&P), CWC, visited the various locations on RMC of the North Koel Reservoir Project (Jharkhand / Bihar) during 12-15, September 2019 to revisit the decision of canal lining of the entire existing network to avoid cost escalation



A meeting of the design team of CWC with HPPCL officials was held under the chairmanship of Shri S K Sibal, Chief Engineer, Designs (N&W) in CWC on 18.09.19 regarding vetting of the concept design of the Right Bank Slope Stability Issue of Shongtong Karcham HEP, Himachal Pradesh



Shri Ashish Kumar, DD, Shri Ghanshyam Patel, AD & Shri Govinder Singh, AD-II, Gates (N&W) Directorate visited Kanhar Dam Project site in UP as a design consultant from 16th -18th Sept 2019 for examining the progress of ongoing fabrication of hydro-mechanical works

Gallery



The 6th Joint Technical Team (JTT) meeting between Govt. of India and Royal Govt. of Bhutan was held during 12-13th September 2019 at Jalpaiguri, West Bengal, India. The Indian side was led by Sh. P.M. Scott, CE, B&BBO, CWC, Shillong.



Presentation on Efficient & Productive Water Use for Sustainable Water Resources Management in India by Sh. Chaitanya K S, Deputy Director, CWC during 3rd World Irrigation Forum (1-4 Sep, 2019) held at Bali, Indonesia



Member(RM), CWC and other officers had a meeting with Google representatives on 18-09-19. Last year CWC and Google had signed an MoU to improve the effectiveness of flood forecasting, flood management and build an online exhibition on Indian rivers.

News around the States

- In September 2019, Maharashtra Govt. has released **Maharashtra State Water Policy 2019** which focuses on flood management, drought mitigation and domestic as well as industrial water usage, among other areas.
- Kochi Metro Rail Limited is to implement the **Water Metro** project at a cost of Rs.747 crore with financial assistance from the German Bank, KfW. It envisages the development of 16 identified routes, connecting 10 islands along with a network of routes that span 76 km benefitting more than 100,000 islanders.

Water Sector- News

- An early flood warning system that helps save lives in Gujarat (Indian Express-01.09.19)
- China : Brahmaputra dams won't alter flow (The Tribune-03.09.19)
- Can Jal Jeevan quench rural India's thirst? It's complicated (Business Standard-04.09.19)
- Narmada dam at its highest level to overflow for first time (The Hindu-15.09.19)
- Dam, Unity statue show development, environment can thrive together : PM (The Indian Express-18.09.19)
- Soon, apex body to help manage water resources in the North-East (Mint-23.09.19)
- Water- sharing : Kerala, TN CMs meet after 15 years (The Statesman-27.09.19)
- Govt. plans to update national water policy (Business Line- 30.09.19)

From History- Farakka Barrage

After Independence, the Govt. Of West Bengal was concerned about reviving the discharge through the Hooghly River primarily for keeping Kolkata Port alive. Kolkata Port, the largest port of the country was not only serving India but neighboring countries like Nepal, Bhutan and Bangladesh also. It is situated on the river Hooghly which is formed by three off-takes from the Ganga, namely Bhagirathi, Jalangi and the Churni. Till about three centuries ago, the main Ganga was flowing through Bhagirathi-Hooghly system. Thereafter, slowly river developed a tendency to flow mainly in its left arm i.e. the Padma. Since 1918, flow in Bhagirathi channel ceased during the dry season. This was also impacting the source of drinking water supply to the city of Kolkata.



This problem was referred to CWC in 1956 and to study it, a special cell was constituted. After thorough study and consultation, CWC proposed a barrage at Farakka, feeder canal from Farakka to Bhagirathi below Jangipur barrage and other ancillary works. The approval for construction was given by the Ministry of Transport in 1960. Considering the size and complexity of the project, it was executed by the Ministry of Irrigation and Power and the work of construction started in 1963-64. The Barrage is founded on fine sand in the seismic zone and required a considerable amount of design studies. All the technical problems relating to the construction were tackled by Indian Engineers adopting unique construction techniques. The Barrage is over two km long and has 109 bays and it is designed to pass 76400 cumec discharge. The feeder canal is having a length of 38.3 km, bed width of 151 m and water depth of 6 m. It is larger than the famous Suez Canal. The overall cost of the project was Rs. 156 crore.

Farakka Barrage released waters into the feeder canal for the benefit of Kolkata Port on 21st April 1975, following a partial agreement signed in Dhaka on 18th April 1975 by the Secretaries of the Governments of India and Bangladesh on the utilization of the Ganga Water. This agreement also set an example of mutual understanding and cooperation between two neighbouring countries in the development of water of an international river. The project was formally dedicated to Nation on 21st May 1975 by Sh. Jagjivan Ram, then Union Minister of Agriculture and Irrigation.

Besides fulfilling the main purpose of providing adequate upland discharge into Hooghly, it also paved the way for navigation facility from Kolkata to Ganga and the rail and road bridges built over the barrage established the much needed direct road and rail links between Kolkata and North Bengal & Assam.



Central Water Commission

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