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JALANSH



Shri Kushvinder Vohra Chairman, CWC

Message

March has been a month of notable progress in CWC.

Central Water Commission signed a Memorandum Agreement (MoA) with Indian Science (IISc) Institute of Bangalore in the month. This MoA, herald the establishment of the International Centre of Excellence for Dams (ICED) under the Dam Rehabilitation Improvement Project (DRIP) Phase II and III. ICED, operating under this MoA for tenure of ten years or the duration of DRIP Phase-II and III, is poised to deliver specialized technical support, cutting-edge research, and advanced training programs in the domain of dam safety.

Continuing with the review of projects under, the PMKSY-AIBP and CADWM projects of Ladakh(UT), UP, Maharashtra, Madhya-Pradesh, Bihar, Gujrat and Odisha were reviewed by me during March-2024 and valuable suggestions given for early completion of Projects. underscores our unwavering dedication to advancing water management resource infrastructure development comprehensively.

I held a meeting with the team from the Asian Development Bank (ADB) wherein they shared their experience project implementation over the past two decades in Assam and Bangladesh. These projects focus on integrated flood risk management, climate resilience, and riverbank erosion control along the Brahmaputra River. The works being carried out by CWC in the field of flood management in India were informed to ADB team and the need for capacity building technical and assistance in the field of AI/ML, Internet of things (IoT) based tools and innovative technologies for predicting climate change scenarios was emphasized.

Another meeting took place with officials from the World Bank and the Government of regarding Assam flood management plans (FMP) in Assam and Bangladesh. During this meeting, role of the Central Water Commission (CWC) in flood forecasting, FMP, and river morphological studies was explained. It was highlighted that the CWC is collaborate eager to on technical aspects to enhance capacity in these critical areas.

Our commitment in resolving interstate water disputes remains strong, as evidenced in the second meeting of the Negotiation Committee on the Pennaiyar River Water Dispute. Through fostering dialogue and exchanging vital information, we are making steady progress toward sustainable solutions for these critical issues.

4th meeting of the Committee for conducting a joint detailed technical study on erosion threats posed by the Ganga Padma River System in West Bengal demonstrated our dedication to comprehensive planning and integrated solutions. The decisions made during this meeting underscore our proactive stance in tackling erosion and safeguarding vulnerable regions.

CWC is continuously working to help States in various technical matters. Their needs unfolding quarterly in dialogues with them and CWC is providing necessary help. We have provided solution for upgradation of weir in Mizoram to resolve the drinking water related issues in Aizwal. We were also provided Kerala state with routing and inundation studies in different discharge scenarios below Mullaperiyar dam. So, CWC is continuously working on itself to be more relevant to various stakeholders.

International Celebrating Women's Day at the Central Water Commission was significant event, featuring an address by the Secretary, DoWR, RD&GR. She emphasized empowering women to ensure their voices are heard and highlighted the collective impact they can make. Prizes were awarded to winners of the Drawing Painting & Rangoli competitions held on 07.03.2023.

World Water Day at the Central Water Commission was vibrant, with over 125 children participating. They showcased their creativity through poems, songs, and dances, demonstrating their

understanding of water Certificates were awarded to encourage their continued advocacy for water conservation, underscoring our shared responsibility to protect this vital resource for future generations.

conservation. management and our unwavering determination to confront the pressing challenges facing our nation. As we move forward, let's continue our dedication to excellence and sustainability in all our endeavors.

In summary, March has been a testament to our relentless pursuit of excellence in water

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MEETINGS WITH FOREIGN DELEGATION

Meeting with Asian Development Bank (ADB) Team



Shri Kushvinder Vohra, Chairman, CWC, and ex-Officio Secretary to Government of India held a meeting on 6th March, 2024 with Asian Development Bank (ADB) team led by Ms. Yasmin Siddiqi, Director, Agriculture, Food, Nature, and Rural Development (AFNRD), ADB and comprised of Mr. Olivier L Drieu, Senior Water Resources Specialist, Ms. Alexia Michels, Senior Water Resources Specialist, Mr. Vikas Goyal, Water Resources Specialist and Mr. Herb Weibe, International Water Specialist (ADB Consultant). From CWC side, Sh. P. M. Scot, Member(RM) and other senior officers also participated the meeting.

ADB team made a presentation on the projects implemented by ADB in Assam and Bangladesh related to integrated flood risk management, climate resilience and riverbank erosion control on Brahmaputra River since last 2 decades.

Chairman CWC highlighted various works in progress in CWC in respect of flood management in India e.g. integrated reservoir operations and flood inundation modelling in Ganga Basin; flood zone mapping and setting up the criteria for flood risk, launching Flood-Watch (India) for the citizens for real time flood related information; NHP, DRIP; etc.

The Chairman emphasized the need for capacity building and technical assistance in the areas of artificial intelligence, internet of things (IoT) based tools and innovative technologies to be linked with existing systems for predicting climate change scenarios for advance preparations and adaptation measures.

The proposed outputs of the ADBs technical assistance includes: (i) institutional strengthening and capacity building; (ii) supporting non-structural measures including modernization of hardware and software and modeling capabilities; (iii) state level structural level planning for selection of projects for implementation.

It was decided to organize a joint workshop wherein ADBs experiences on community-based flood management and riverbank erosion protection in Brahmaputra River in Assam (India) and Bangladesh shall be presented. The workshop would be useful for detailed deliberations, exchange of information and firming up future areas of cooperation.

Meeting regarding Indo Denmark Cooperation

A meeting was held under the chairpersonship of Secretary (WR) on 27.03.2024 to review projects under Indo-Danish collaboration flowing from visit of Danish PM to India in October, 2021. During meeting, the deliberations were held on the issues faced and way forward for following projects:

- Smart Lab for Clean Rivers (SLCR)
- Centre of Excellence for Smart water resource management.

The meeting was attended by Chairman, CWC, Member (R.M.), Member (WP&P), CE(IMO), CE(PDO), Director-ISM-2 Dte, Director-RDC-II from CWC.



MEETING REGARDING PROJECT

Sankosh Project

Secretary, DoWR, RD&GR & Secretary, Power jointly chaired a meeting to discuss the issues related to Implementation of Sankosh Project, consideration of water component etc which was attended by Shri Kushvinder Vohra, Chairman, CWC on 12-03-2024 at Shram Shakti Bhawan, New Delhi.

22nd PIC Meeting of the committee of Indroka and Bastawa Mata Dam Projects, Rajasthan

Chief Engineer, Designs (NW&S), Chairman of the Project Implementation Committee for monitoring and supervising the dams at Indroka and Bastawa Mata village in Rajasthan, chaired the 22nd meeting held on 28.03.2024 at CWC H.Q. to review the progress of the works for Bastawa Mata & Indroka Dam Projects, Jodhpur, Rajasthan.

Renukaji Dam Project and Lakhwar Multipurpose Project

A meeting was taken by Secretary DoWR, RD & GR, MoJS on 28.03.2024 to review the progress of the

Renukaji Dam Project, Himachal Pradesh and Lakhwar Multipurpose Project, Uttarakhand. Design aspects, issue of impact of Vysai Reservoir on Lakhwar MPP and status of drawings of key components of projects with timelines were discussed. Meeting was attended by Member D&R and officers from Designs (N&W) Unit.

Dibang Multipurpose Project, Arunachal Pradesh



Chief Engineer, Designs (NW&S) Chaired the third meeting of the committee constituted for evaluation of Alternate Proposal for & Memorandum of Changes of Dibang Multipurpose Project, Arunachal Pradesh on 27.03.2024 with officers of NHPC & CWC to discuss the change in dam type from conventional concrete to roller compacted concrete.

NDSA AND DRIP

Fourth meeting of the National Committee on Dam Safety



Shri Kushvinder Vohra, Chairman, Central Water Commission& Ex-officio Secretary to the Government of India chaired fourth meeting of the National Committee on Dam Safety (NCDS) constituted as per Dam Safety Act, 2021, held on 12.03.2024 at New Delhi. The meeting was held in virtual mode. The Officers from CWC, DoWR, RD & GR, NDSA, GSI, NRSC,

NGRI and other Central Govt. organisations, Officers from State Governments and experts in the field of dam safety attended the meeting. During the meeting, the regulations framed by the NDSA under section 54 (2) of the Dam Safety Act, 2021 were discussed. Out of the 4 regulations discussed during the meeting, the Committee approved three regulations with slight modifications.

Rapid Risk Assessment Tools for Dams developed by World Bank Experts

A meeting on Rapid Risk Assessment Tools for Dams developed by World Bank Experts was held on 14.03.2024 at New Delhi under the chairmanship of Secretary (WR). During the meeting, it has been decided to constitute a core group of officers, which shall be trained by World Bank Experts for implementation of the tool nation-wide. The core group will act as trainers for state and reviewers for the state agencies to test check the assessment carried out by them.

Various issues related to DRIP Phase-II and NDSA

A meeting to discuss the issues related to DRIP-II scheme and NDSA was held on 27.03.2024 under the Chairpersonship of Secretary, DoWR, RD & GR at Shram Shakti Bhawan. During the meeting, various

issues like Full operationalization of DHARMA Software, Strategies to engage Risk mitigation & Tourism potential, Rapid Risk Assessment of Dams, implementation of the Dam Safety Act, 2021 etc. had been discussed. Officials from CWC, Ministry and NDSA attended the meeting.

OTHER IMPORTANT ACTIVITIES

I. Flood related matters

Interaction with officials from the World Bank and Govt. of Assam team regarding FMP works



Shri Kushvinder Vohra, Chairman, CWC held interaction with officials from the World Bank and Govt. of Assam team on 22nd March 2024 regarding flood management plan (FMP) works carried out in Assam and Bangladesh.

Chairman, CWC briefed about the broad functions of CWC including comprehensive system of Flood Forecasting, FMP, river morphological studies, etc. and mentioned that CWC is willing to collaborate on technical aspects to build capacity in these areas. He further mentioned that Govt. of Assam is working in these areas with help of World Bank as well as ADB, It may be useful to utilise expertise available with CWC as well in this regard.

II. PMKSY-AIBP and CAD&WM



A Committee was constituted for reviewing of 99 prioritized ongoing PMKSY-AIBP and CADWM Projects which were included in 2016-2017 by DoWR, RD& GR under the Chairmanship of Chairman, CWC & Ex-Officio Secretary to the Govt. of India. Chairman, CWC held several meetings in the month wherein he emphasized that these projects should be completed within the approved cost and all efforts should be made to resolve all the issues including bottlenecks, so that, these projects could be completed within stipulated time frame. The details are as follows:

State	No. of Projects	Name of Projects
UT of Ladakh	One	i. Parkachik irrigation project
Uttar Pradesh	Two	i. Madhya Ganga Canal (MGC) Project Stage-II ii. Arjun Sahayak Pariyojana
Maharashtra	Six	i. Aruna, ii. Lower Wardha iii. Gosikhurd (NP), iv. Lower Pedhi v. Kudali and vi. Morna (Gureghar)
Madhya Pradesh	Four	i. Pench project ii. Bargi Diversion Projects – II iii. Bargi Diversion Projects – III iv. Bargi Diversion Projects – IV
Bihar	Two	i.Durgawati Reservoir Project ii. Punpun Barrage Project
Gujarat	One	i. Sardar Sarovar project
Odisha	Three	i. Subarnarekha Irrigation Project, ii. Integrated Anandapur Barrage Project, & iii. Kanupur Irrigation Project

III. Inter-State Disputes

Second Meeting of Negotiation Committee regarding Pennaiyar



The second meeting of the Negotiation Committee on Pennaiyar River was convened on 27.03.2024 under the Chairmanship of Shri Kushvinder Vohra, Chairman, Central Water Commission and Ex-officio Secretary to the Government of India.

The meeting was held in a very cordial atmosphere and was attended by the representatives from the four cobasin States of Karnataka, Tamil Nadu, Andhra Pradesh and Union Territory of Puducherry, Ministry of Environment & Climate Change. Other officers from Central Water Commission were also present in the meeting.

Representatives from the co-basin States and other members of the Committee presented their views and status of matter before the Committee. The party States were requested to furnish the remaining information/detail as requested in the first meeting and additional details/clarification on the details furnished by them in the second meeting.

IV. Other Activities

The 4th meeting of Committee for conducting a joint detailed technical study to formulate an integrated plan to combat threat of erosion posed by Ganga Padma River System in West Bengal



Shri Kushvinder Vohra, Chairman, Central Water Commission & Ex-Officio Secretary to the Government of India held 4th meeting of Committee for conducting a joint detailed technical study to formulate an integrated plan to combat threat of erosion posed by Ganga Padma River System in West Bengal.

The Committee comprises officers of CWC, GFCC Patna, Farakka Barrage Project, CWPRS, Pune, IWAI, NRSC, Govt. of West Bengal, Govt. of Bihar, Govt. of Jharkhand & DoWR, RD & GR.

The model developed by the consultant was reviewed and after detailed discussion it was decided to the integrated 1 D model should consider gate operation schedule separately for flood period. The separate 2D models will be calibrated for upstream of barrage and downstream of barrage.

Signing of MoA between CWC and IISc, Bengaluru for establishing an International Centre of Excellence for Dams at IISC, Bengalaru



A MoA was signed between CWC and IISc, Bengaluru for the establishment of an International Centre of Excellence for Dams (ICED) under externally supported Dam Rehabilitation and Improvement Project (DRIP) Phase II and III at IISc Bangalore on 04.03.2024. This MoA will remain valid for ten years or till the duration of the DRIP Phase-II and III Scheme, whichever is earlier, from the date of signing this MoA.

ICED will provide specialized technical support in investigations, modelling, research and innovations, and technical support services for the Indian and

overseas dam owners. The Centre will work on dam safety to support the Ministry and provide solutions to various emerging challenges faced in dam safety through scientific research. It will also offer area specific academic courses (including training programs and workshops) and carry out applied research and technology transfer in dam safety management at local, regional, national and international levels.

ICED will carry out research in two core areas (i) Advanced construction and rehabilitation materials & Material testing for dams and (ii) Comprehensive (multi-hazard) risk assessment of dams. The first ICED has been institutionalized at IIT Roorkee upon signing of MoA in February 2023.

3rd Meeting of the Committee for carrying out an "Internal Review of the India-Bangladesh Treaty of 1996 on sharing of the Ganga/Ganges Waters at Farakka"

3rd Meeting of the Committee for carrying out an "Internal Review of the India-Bangladesh Treaty of 1996 on sharing of the Ganga/Ganges Waters at Farakka" was held on 15.03.2024 at 3.00 pm at Sewa Bhawan. The committee discussed progress of second meeting decisions and proposal of Govt. of West Bengal regarding "Augmentation of Monsoon flow of river Ichamati by diverting water from Ganga/Padma according to ToR of the Committee.

First meeting of Re-constituted Working Group for irrigation systems assessment with Evapotranspiration (ET)

First meeting of Re-constituted Working Group for irrigation systems assessment with Evapotranspiration (ET) based water accounting tool with the support of World Bank was held on 28.03.2024 under chairmanship of Chairman CWC / Ex-officio Secretary to the Government of India at Sewa Bhavan, CWC.

The terms of reference of the revised working group are:

- 1) To develop irrigation assessment tools based on World Bank tool with few pilot study projects: 1.1.Generic System for irrigation benchmarking
- 1.2.Scheme level performance assessment for selected irrigation systems (at higher resolution)
- 2) Finalize irrigation benchmarking indicators based on

irrigation assessment tools.

- 3) Framework for operationalizing the irrigation benchmarking indicators based on irrigation assessment tools at NWIC portal.
- 4) Water Use Efficiency framework for irrigation projects considering maximum utilization of remote sensing data.

Purna Irrigation Project, Maharashtra and Narayanpur Left Bank Canal (NLBC) Project, Karnataka have been identified as pilot project.

Need for development of guideline on irrigation assessment tool for project authorities/ managers and development of a single indicator/index which may summarize the performance of a project by assigning suitable weights to different performance aspects for benchmarking of projects was emphasized by Chairman, CWC.

राजभाषा कार्यान्वयन समिति की बैठक

अध्यक्ष, केंद्रीय जल आयोग की अध्यक्षता में दिनांक 28.03.2024 को राजभाषा कार्यान्वयन समिति की बैठक आयोजित की गई। बैठक में अध्यक्ष, के.ज.आ. महोदय द्वारा आयोग में पिछली तिमाही में हुई राजभाषाई प्रगति की समीक्षा की गई। इस बैठक में सभी क्षेत्रीय कार्यालयों को भी ऑनलाइन माध्यम से जोड़ा गया। अध्यक्ष,के.ज.आ. महोदय ने सभी क्षेत्रीय कार्यालयों के मुख्य अभियंताओं से उनके व उनके अधीनस्थ कार्यालयों में राजभाषा हिन्दी की प्रगति पर विस्तृत चर्चा की तथा उन्हें अपेक्षित सुझाव और मार्गदर्शन प्रदान किए। उन्होंनेमुख्यालय व सभी क्षेत्रीय कार्यालयों में राजभाषा नीति एवं नियमों के पालन किए जाने तथा हिन्दी में मूल पत्राचार व नोटिंग अधिकाधिक रूप से हिन्दी में करने हेतु आवश्यक निदेश दिया।

के.ज.आ. एवं केंद्रीय सचिवालय हिन्दी परिषद द्वारा राजभाषा संगोष्ठी का आयोजन

श्री कुशविंदर वोहरा, अध्यक्ष, केंद्रीय जल आयोग और भारत सरकार के पदेन सचिव की अध्यक्षता में, केंद्रीयजल आयोग एवं केंद्रीय सचिवालय हिंदी परिषद के संयुक्त तत्वाधान में दिनांक 18.03.2024 को के.ज.आ. (मु.) में एक दिवसीय राजभाषा संगोष्ठी का भव्य आयोजन किया गया।

इस संगोष्ठी में अध्यक्ष, के.ज.आ. महोदय के कर-कमलों द्वारा आयोग के हिन्दी अनुभाग द्वारा तैयार की गई अद्यतितआंतरिक शब्दावली एवं केंद्रीय सचिवालय हिंदी परिषद द्वारा तैयार की गई 'स्मारिका' का विमोचन किया गया। के.ज.आ. की शब्दावली में 700 अतिरिक्त शब्दों को जोड़ा गया है। अध्यक्ष, के.ज.आ. ने के.ज.आ. के सभी अधिकारियों/कर्मचारियोंको आहवान किया कि इस शब्दावली को कार्यालय में पत्राचार हेतु अधिक से अधिक उपयोग करें। साथ ही इस संगोष्ठी में परिषद द्वारा आयोजित विभिन्न प्रतियोगिताओं के विजेताओं को भी माननीय अध्यक्ष, के.ज.आ., द्वारा पुरस्कारप्रदान किए गए।

अध्यक्ष महोदय ने के.ज.आ. के सभी अधिकारियों/कर्मचारियों एवं

केंद्रीय सचिवालय हिन्दी परिषद के सभी कार्यकर्ताओं को संबोधित करते हुए कहा वे अपने-अपने क्षेत्र व आस-पास के सरकारी कार्यालयों में हिन्दी का प्रयोग बढ़ाने और राजभाषा नीति-नियमों का सुचारु ढंग से अनुपालन सुनिश्चित करने हेतु और अधिक उत्साह एवं तन्मयता से अपने राष्ट्रीय दायित्व का निर्वहन करें।

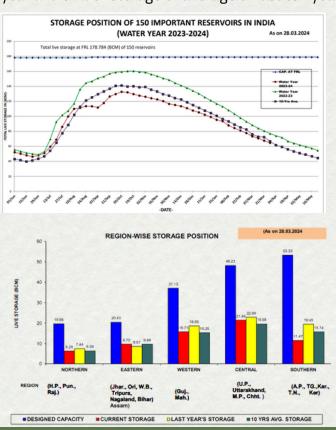
Map Indicating StateWise Storage Postion

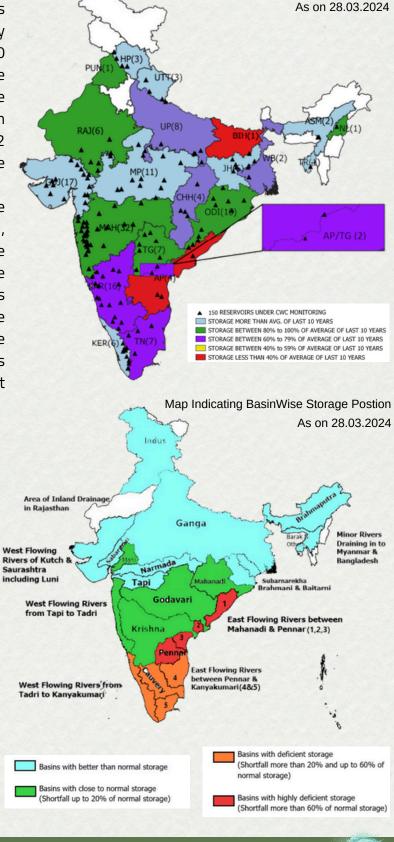
V. Reservoir Monitoring

Reservoir Monitoring

CWC is monitoring live storage status of 150 reservoirs of the country on weekly basis and is issuing weekly bulletin on every Thursday. Out of these reservoirs, 20 reservoirs are of hydro-electric projects having total live storage capacity of 35.299 BCM. The total live storage capacity of these 150 reservoirs is 178.784 BCM which is about 69.35% 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 28.03.2024, live storage available in these reservoirs is 64.606 BCM, which is 36% of total live storage capacity of these reservoirs. However, last year the live storage available in these reservoirs for the corresponding period was 76.991 BCM and the average of last 10 years live storage was 66.644 BCM. Thus, the live storage available in 150 reservoirs as per 28.03.2024 Bulletin is 84% of the live storage of corresponding period of last year and 97% of storage of average of last ten years.





INTERNATIONAL WOMEN'S DAY

International Women's day was celebrated by CWC (HQ) during 7th -8th March, 2024 on the theme "Fostering Mentorship: Empowering Future Generation of Women Leaders." A Rangoli and Drawing & Painting Competition were held on 7th March-2024.

Ms. Debashree Mukherjee, Secretary, DoWR, RD & GR, Ministry of Jal Shakti, New Delhi graced the occasion as Chief Guest for the program held on 8th March, 2024. Woman officials of CWC shared their experience.

Shri Kushvinder Vohra, Chairman, CWC & ex-officio Secretary to the Govt. of India in his address highlighted upon the fact that the way Narishakti nurtures her family, she also nurtures an organization by providing much-needed balance, exploring new avenues and creative methodologies in the organization. Prizes were distributed to the winners of the Drawing & Painting and Rangoli making competition which was held on 07.03.2023.

Secretary, DoWR, RD & GR Ministry of Jal Shakti, New Delhi in her address, emphasized that every day is women's day. The woman shall empower themselves in their work places and ensure that their voices get heard even if there is only a woman in the room. The woman together shall make a big difference in the work place by not only fulfilling all the roles and responsibility assigned to them but by also carrying out the additional tasks referred to them time to time.













WORLD WATER DAY

World Water Day was celebrated by Central Water Commission on 22nd March 2024 with great enthusiasm! Shri Kushvinder Vohra, Chairman, CWC this time planned to make children aware about the importance of water. Children of officers and staff of Central Water Commission were graced as special guests.

The theme, "Valuing Water - Understanding the true worth of this precious resource," guided the event, featuring insightful speeches, poetry recitations, and captivating dance performances by more than 20 children highlighted the importance of water conservation and sustainability. The children pledged to cherish every drop and safeguard our lifeline for generations to come. More than 125 children attended the event. The children were felicitated with Certificate of performance.

While addressing the children Chairman, CWC emphasized importance of conservation of water and its sustainable use and role of children who are future of the country to be aware of action being taken or not being taken by the present stakeholders so as to press for conservation of this precious resource for them.



















SWACHHATA PAKHWADA-2024

Swachhata Pakhwada-2024 (16-31 March 2024)

Cleanliness Awareness Pledge was administered to the officers and employees in Central Water Commission on 27.03.2024 under "Swachhata Pakhwada - 2024" (16 to 31 March, 2024) by Shri Kushvinder Vohra, Chairman, CWC.

Along with this, a street play (skit) was also presented by the officers and employees of CWC to create public awareness on the subject of water conservation, in which the serious consequences of water crisis in the near future were shown and the need to conserve water now was emphasized to avoid it.

To make this event a success, all the officers and employees participated enthusiastically.









Swachhata Pakhwada at MTBO, Gandhi nagar





GALLERY









Chief Engineer Sh Anupam Prasad & Superintending Engineer Sh Shiv Sunder Singh had interaction with the class V student of Seth M.R Jaipuria School of Conscious Transformation Lucknow on 14 March 2024 on their Educational Visit. Students were given knowledge about water resources, water management, flood forecast and about the working of CWC.



The visit of school children is organised today on the occasion of World Water Day today at Kalindi Bhawan, Yamuna Basin Organisation, New Delhi.





Glimpse of cleanliness activities involving students of schools and plantation drive carried out at various locations under the jurisdiction of M&ERO, CWC, Bhubaneswar during the ongoing Swachhata Pakhwada





विश्व जल दिवस 2024 के अवसर पर भुवनेश्वर और बुर्ला में आयोजित ड्राइंग प्रतियोगिताओं की झलक

Central Water Commission

An attached office of Dept. of Water Resources. River Development and Ganga Rejuvenation, Ministry of Jal Shakti, Govt. of India

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- Shri R. K. Sharma, DD(D&R-Coordination)- Member
- Shri Kailash K. Lakhe, DD(WSE)- Member-Secretary

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