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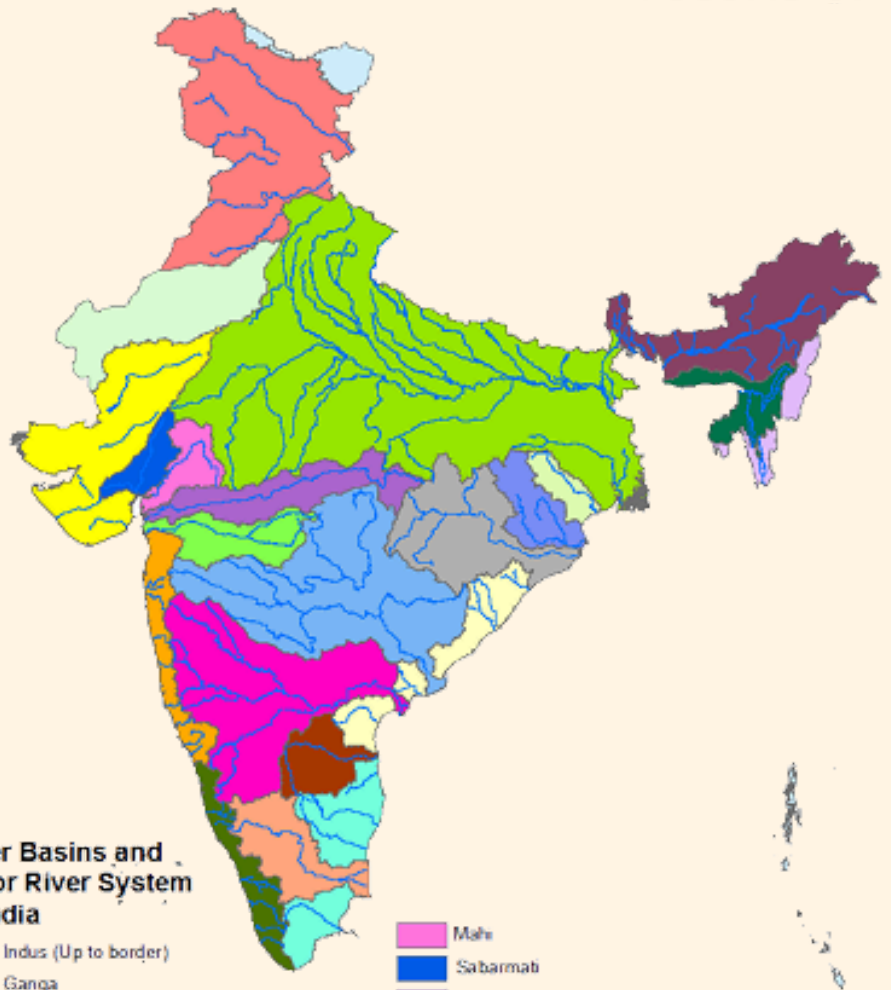


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JALANSH

THE MONTHLY NEWSLETTER OF CENTRAL WATER COMMISSION

NO.11



River Basins and Major River System of India

- | | |
|----------------------|---|
| Indus (Up to border) | Mah |
| Ganga | Sabarmati |
| Brahmaputra | Narmada |
| Barak and Others | Tapi |
| Godavari | WFR_Tapi to Tadri |
| Krishna | WFR_Tadri to Kanyakumari |
| Cauvery | EFR_Mahanadi and Pennar |
| Subarnarekha | EFR_Pennar and Kanyakumari |
| Brahmani and Baitami | WFR_Kutch & Saurashtra including Luni |
| Mahanadi | Inland drainage in Rajasthan |
| Pennar | Minor Rivers draining to Myanmar (Burma) & Bangladesh |



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Shri Atul Jain
Chairman, CWC

Chairman Message

The June 2025 edition of Jalansh compiles a reflection of the Central Water Commission's unwavering dedication towards the integrated and sustainable management of India's water resources. The past month has seen significant strides across diverse domains, underscoring our commitment to innovation, collaboration, and capacity building in the water sector.

Notable progress has been achieved in project planning and inter-institutional coordination. High-level meetings were conducted to assess the Kosi-Mechi Intra-State Link Project and the Western Kosi and Gandak Canal Projects. The Second Meeting of the Empowered Committee for the North Koel Reservoir Project underlined our focused monitoring efforts for critical balance works. Further, the comprehensive review of major and medium irrigation and multipurpose projects emphasized our resolve in expediting appraisal processes, with renewed attention on inter-state cooperation and technical compliance.

Our proactive engagement in dam safety continued with impactful training programs conducted under DRIP-II and III, including the focused workshops on the Dam Safety Act, 2021 and sediment management. Visits to strategic sites like Koldam, Joshiyara, and Maneri dams provided first-hand insight into field-level implementation and challenges, enriching our consultative support.

The ninth meeting of the DRIP Review Committee and subsequent discussions with D&R wing organizations were instrumental in enhancing technical preparedness, with a clear thrust on structured consultancy, IT infrastructure, and young professional engagement.

Our flood forecasting systems were put into full gear with the onset of the monsoon season. The CWC issued 70 flood forecasts with over 91% accuracy in May alone—testament to our evolving capabilities in real-time hydrological services. Special flood advisories and review meetings were held to ensure readiness across vulnerable states.

Additionally, the Commission's continued work on water governance, inter-state water issues, and reservoir monitoring remains central to national water security. The first meeting of the "Water Governance Group" held under the National Task Force signals a forward-looking approach to institutional reform and stakeholder collaboration.

Let us move ahead with the same spirit of teamwork and technical excellence that defines the Central Water Commission. I thank all officers and staff for their steadfast dedication and encourage continued innovation and diligence in the months to come.

A handwritten signature in blue ink, reading "Atul Jain", with a horizontal line underneath.

Meetings Regarding Projects

Western Kosi Canal Project, Western Gandak Canal Project and other priority project

1. Western Gandak Canal Project in Bihar: It was decided that the officers from PAO, IMO will inspect the project site to get the details of original project; ERM project accepted in 2012 and the present proposal.

2. Western Kosi Canal Project: IMO, CWC has been suggested to facilitate the project authorities in changing the cropping pattern by analysing the peak water requirement in order to sustain the canal carrying capacity.

Appraisal status of the various major & medium irrigation and multipurpose projects

A review meeting chaired by Member (WP&P), Central Water Commission (CWC), was held on 15th May 2025 at Sewa Bhawan, New Delhi, to assess the status of various major, medium irrigation, multipurpose, and hydroelectric projects under appraisal in CWC.

Key developments included the Par-Tapi-Narmada Link Project, which remains stalled due to unresolved inter-state issues between Gujarat and Maharashtra.

The Tapi Basin Mega Recharge Scheme saw renewed momentum following a recent MoU between Maharashtra and Madhya Pradesh, with CWC pushing for essential data to proceed.

Telangana's Sammakka Sagar Project is under review based on recent compliance submissions.

The Basania Multipurpose Project in Madhya Pradesh awaits inputs from the State on various technical fronts.

Bihar's several project proposals were reviewed: The Bagmati River Barrage and Mahananda Barrage projects are pending compliance and inter-state clearance.

The Saran District Irrigation and Flood Control

Project has shown progress with updated planning data under evaluation.

The Western Kosi Canal ERM Project has undergone recalculation of irrigation parameters, with finalisation of cost and B.C. Ratio in progress.

The Modernisation of Sone Canal System (Bihar), under the World Bank-funded BWSIMP, is being reviewed, with attention on inter-state water usage.

In Karnataka, resubmission of DPRs is awaited for projects including Sonthi Lift Irrigation Scheme, Malaprabha Canal System, Tungabhadra Canal, and Ghataprabha Canal. The Indi Branch Canal Project has cleared initial compliance and is nearing Screening Committee review.

Punjab's Canals from River Sutlej and Kotla/Ghagggar Branches await compliance, with potential return of proposals due to delay.

Notably, the Diversion of Surplus Water from Sabarmati to Jawai Dam (Rajasthan) is under assessment with inter-state water balance studies underway.

The status of seven Hydroelectric Projects (HEPs) including Etalin, Attunli, Naying, and Subansiri Upper (Arunachal Pradesh), Sankosh (Bhutan), and Dulhasti-II (J&K) was also reviewed. These projects are in various stages of cost appraisal, pending key technical clearances.

The meeting concluded with a directive for field visits by appraisal teams for all submitted projects, aiming to expedite appraisal and decision-making.

Kosi-Mechi Intra-State Link Project

A meeting of WRD, Bihar, CWC and NWDA was held at the Conference Hall, 3rd Floor, Sewa Bhawan under the chairmanship of Shri Bhopal Singh, Member (D&R), Central Water Commission, New Delhi on 14/05/2025 to review of progress of Design & Drawings works for preparation of Working DPR of Kosi-Mechi Intra-State Link Project for Jalansh. The meeting was attended by officials from CWC, NWDA and WRD, Govt. of Bihar.

Meetings Regarding Projects

The 2nd meeting of Re-constituted Empowered Committee to monitor the implementation of the balance works of North Koel Reservoir Project

The Second (2nd) Meeting of the Empowered Committee was held under the chairpersonship of the Secretary, WR, RD & GR on 23.05.2025 to review the progress of balance works of North Koel Reservoir Project.

Implementation of the balance works of the North Koel Reservoir Project is being monitored by the Empowered Committee headed by the Secretary of DoWR, RD & GR, MoJS, and a Technical Evaluation Committee headed by a Member (WP&P) of the Central Water Commission, Gol.



Training/Workshop/Conference

Training Organised by CPMU, DRIP

Sediment Assessment and Management in the Reservoir



CPMU DRIP CWC in collaboration with Madhya Pradesh WRD hosted a "Training Program on Sediment Assessment and Management in the Reservoir" during 28-29 May 2025 at Bhopal, Madhya Pradesh. Aligned with the Dam Safety Act 2021, this training program was meticulously designed to equip participants with the knowledge and practical skills required to effectively implement and manage dam operation and maintenance, includes dam assessment, safeguards, investigations, consequence assessment, monitoring downstream changes, regulated dams, surveillance & monitoring and dam safety input into dam design public safety around dams. The training was designed to help the SPMUs in all the sediment assessment and management in the reservoir related matters in the implementation of the DRIP programme successfully.

Dam Safety Act-2021 Overview: Public Safety Around Dams

CPMU DRIP, in collaboration with Uttarakhand (UJVNL) hosted a Training Program on "Dam Safety Act-2021 Overview: Public Safety Around Dams" scheduled during 07-08 May 2025 at

UJJWAL Training Hall, UJVN Limited, Dehradun, Uttarakhand. Shri Rakesh Kashyap, Chief Engineer (DSO) and Project Director, DRIP, along with Shri Rakesh Kumar Gautam, Director (DSR/CPMU), participated in the training programme as instructors. Aligned with the Dam Safety Act 2021, this training program was designed to equip participants with the knowledge and practical skills required to effectively implement and manage dam operation and maintenance, includes dam assessment, safeguards, investigations, consequence assessment, monitoring downstream changes, regulated dams, surveillance & monitoring and dam safety input into dam design public safety around dams. The training was designed to help the SPMUs in all the Dam Safety Act and Public Safety Around Dams related matters in the implementation of the DRIP programme successfully.



Training/Workshop/Conference

Training Organised by NWA, Pune

| Sl No. | Name of Training | Durations (Week) | Date | No. of participants | Objective |
|--------|---|------------------|----------------|---------------------|---|
| 1 | Flood Management | 01 | 20-24 May 2025 | 21 | Enhance understanding of flood dynamics and management strategies using structural and non-structural approaches with practical exposure. |
| 2 | Dam Health and Rehabilitation Monitoring Application (DHARMA) | 0.2 | 21-22 May 2025 | 23 | Train dam safety officials in the use of DHARMA software for structured dam data management and inter-agency coordination. |
| 3 | Water Law and River Valley Disputes | 01 | 26-30 May 2025 | 41 | Provide insight into India's water laws, dispute resolution mechanisms, and transboundary water governance frameworks. |
| 4 | Operational Analysis of Reservoir Systems | 0.8 | 27-30 May 2025 | 32 | Strengthen reservoir operation and planning using tools like NIH ReSyP for optimal water resource utilization and monsoon variability management. |



Koldam Hydro Power Station, Himachal Pradesh



NTPC has entrusted upon CWC to provide consultancy services on issues related to widening of joint between Flip Bucket & Chute and Dam Instrumentation Data Analysis & Interpretation. A team of officers from CWC led by Chief Engineer, Design (N&W) visited the Koldam on 5th May, 2025 accompanied by a team of officers from NTPC.

During the visit, a comprehensive visit to the plunge pool area and various components of the plant was conducted. Team inspected flip bucket and plunge pool area to understand the two major issues with the spillway system highlighted by NTPC i.e. movement of joint between flip bucket – chute and settlement of concrete cladding & erosion in plunge pool area. Further, a meeting was held with the Head of Project, Koldam wherein NTPC officials made

presentations on Status & Issue of Plunge Pool Strengthening Measures and Overview of Geotechnical Instrumentations installed in Dam/Spillway Body. Issues and strengthening measures being implemented were further discussed in detail.

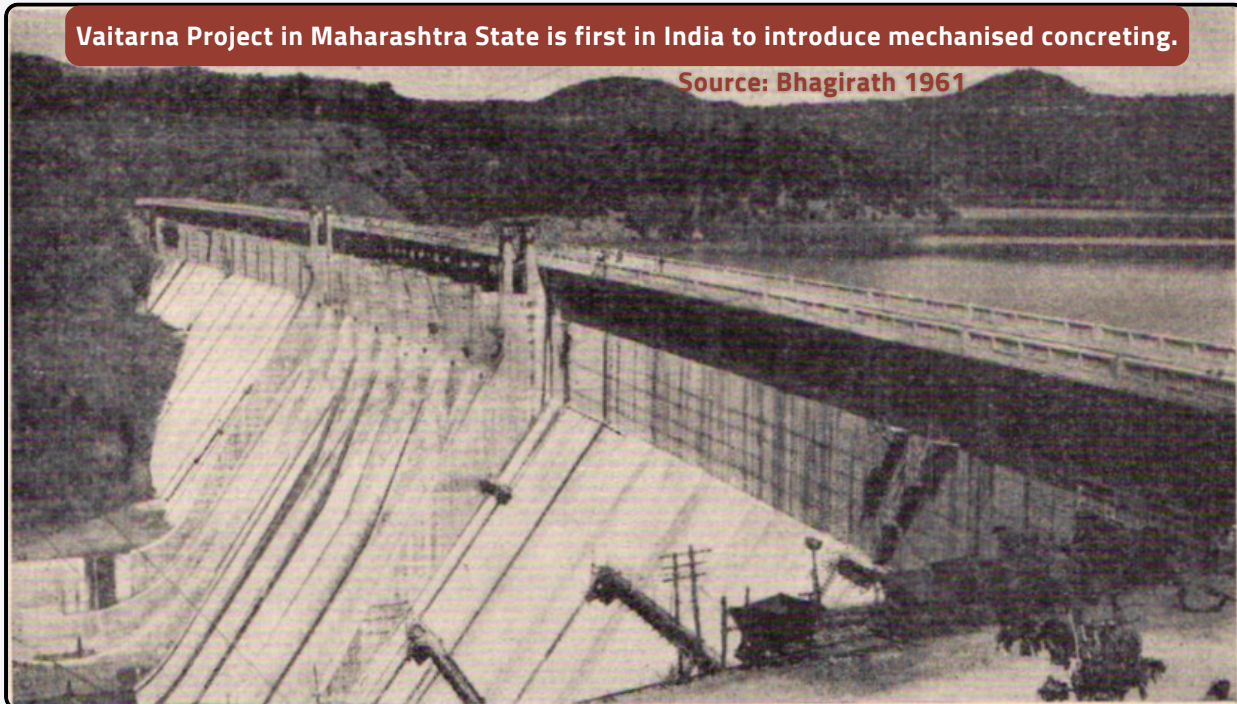
Joshiyara and Maneri Dams under DRIP-II & III of UJVNL



Sh. Rakesh Kashyap Project Director DRIP and CE DSO, Sh. Rakesh Kumar Gautam, Director DSR, Sh. Siddhant Azad Deputy Director CWC alongwith officials of Engineering and Management Consultancy (EMC) visited the Joshiyara and Maneri Bhali-I dams from 5th May 2025 to 6th May 2025 to have a first-hand assessment of the ongoing rehabilitation works and discussed the site-specific issues under DRIP Phase-II & III.

Vaitarna Project in Maharashtra State is first in India to introduce mechanised concreting.

Source: Bhagirath 1961



Dam Safety Act, 2021/NDSA

Ninth(9th) meeting of Review Committee regarding Engineering and Management Consultancy for DRIP Phase II and Phase III

The ninth(9th) meeting of Review Committee under the Chairmanship of Member(D&R), CWC regarding Engineering and Management Consultancy for Dam Rehabilitation and Improvement Project Phase II and Phase III was held on 19th May, 2025 at 2.30 PM in the O/o Member(D&R), CWC, to examine the CVs submitted by Consultant in respect of mobilization of personnel and recommend suitable candidate for approval of Chairman, CWC. Chief engineer DSO, Chief Engineer, Designs(N&W), Chief Engineer, Designs(E&NE), Director DSR and Director FE&SA attended this meeting.



Support of organisations of D&R wing in DRIP

A meeting was held on 15.05.2025, chaired by Member, D&R to discuss the support of organisations of D&R wing in Dam Rehabilitation

Improvement Programme (DRIP) related matters.

The agenda included several activities requiring technical support and some of the key projects, such as the construction of additional spillway of Hirakud Project, hydro-mechanical (HM) issues at Myntdu Leshka, Khopum, and other dam rehabilitation works. Discussions focused on various challenges to be addressed under DRIP. After detailed deliberations, following decisions were taken for implementation of support:

- A core Group of the Officers of D&R Wing for design issues to be constituted by D&R(C) Dte with the approval of Member, D&R to provide support to DRIP Activities.
- Directorates will handle consultancy work based on incremental consultancy charges (excluding regular staff salaries). IT infrastructure support via CPMU DRIP must align with EFC provisions. MoUs should include clauses for consultancy charges and the engagement of Young Professionals, as per File No. T-980120/7/2021-DR Coord.I/205693/202545.
- D&R(C) Directorate will finalize IT infrastructure needs and communicate them to CPMU DRIP II & III.
- CPMU will propose the formation of Drafting and Review Committees for guidelines/manuals, with Member D&R deciding on organizational representation.

Considering the time bound nature of DRIP II & III, Head of organisations under D&R Wing were requested to ensure timely action on DRIP related issues pertaining to their respective organizations.



Up Stream of Rukra Irrigation Project

Other Important Activities

I. Flood related matters

Flood Situation in the country - May 2025

Regular Flood Forecasting Activity commenced on 1st May 2025 in Brahmaputra and Barak and Jhelum basins. During the period from 1st May to 31st May 2025, Total 70 (44 level+26 Inflow) flood forecasts were issued out of which 64 (40 Level+24 Inflow) forecasts were within permissible limit with a 91.42 % percent accuracy. No Red Bulletin (for Extreme flood situation) was issued. 10 number of Orange Bulletin (for severe flood situation) were issued during the month of May 2025 from Central Flood Control Room.

Two depressions that originated in Arabian Sea and Bay of Bengal had a landfall around Konkan coast and West Bengal Region during Last week of May 2025. 2 Special Flood Advisories were issued on 24th May and 29th May 2025 for Kerala, Tamilnadu, Assam, Meghalaya and Karnataka.

Summary of Flood Situation during 01.05.2025 to 31.05.2025

Extreme Flood Situation

At no FF station, Water level crossed HFL and reached Extreme Flood Situation.

At no monitoring station, Water level crossed HFL and reached Extreme Flood Situation.

Severe Flood Situation:

Water level was observed in Severe flood for 6 Flood Forecasting Stations in Assam and West Bengal.

Water level was observed in Severe flood for 5 monitoring stations in Assam, Maharashtra and Tripura.

Above Normal Flood Situation:

Water level was observed in Above Normal flood for 11 FF Stations in Assam, West Bengal and Kerala.

Reservoirs having Inflow above threshold limit:

6 reservoirs received inflows above its threshold limit in Tamilnadu and Karnataka.

Flood Situation in the India During May 2025



II. Other Activities

First Meeting of the “Water Governance Group” formed under NTFIWRDM

The first meeting of the Water Governance Group (WGG) formed under NTFIWRDM was held on 26.05.2025 under the chairmanship of Sh. Yogesh Paithankar, Member (WP&P), CWC at CWC, New Delhi. Chief Engineer, IMO is the Member Secretary of the Group. The objective of the WGG is to recommend legal, policy and institutional mechanisms for inclusive,

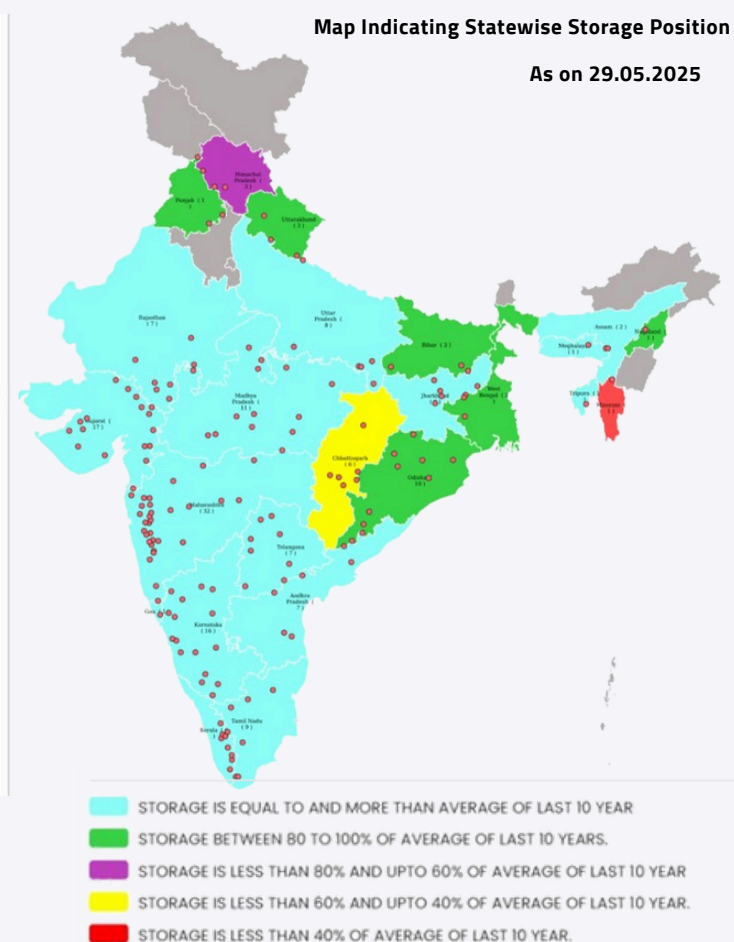
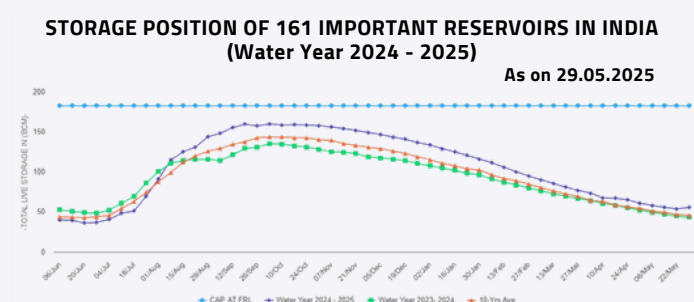
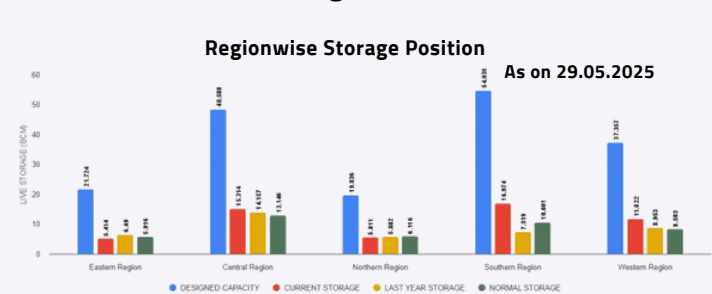
sustainable and efficient water management. The members of the Group put forth their views on various issues i.e. reforms towards strengthening water policy and legal landscape in India; challenges in enforcing water-related laws; demand and supply side management of drinking water in urban area; how the constitutional provisions are linked with Acts; key challenges in water governance; Public-Private Partnerships; etc. After detailed discussions, key activities mandated for the Group, distributed among members of the Group on the basis of their expertise to get better deliverables.

Reservoir Monitoring

Central Water Commission is monitoring live storage status of 161 reservoirs of the country 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 161 reservoirs is 182.444 BCM which is about 70.77% of the live storage capacity of 257.812 BCM which is estimated to have been created in the country.

reservoirs is 55.334 BCM, which is 30.33% of total live storage capacity of these reservoirs. However, last year the live storage available in these reservoirs for the corresponding period was 43.001 BCM and average of last 10 years live storage was 44.363 BCM. Thus, the live storage available in 161 reservoirs as per 29.05.2025 Bulletin is 128.68% of the live storage of corresponding period of last year and 124.73% of storage of average of last ten years.

As per reservoir storage bulletin dated 29.05.2025, live storage available in these



World Environment Day 2025

Central Water Commission (CWC) celebrated World Environment Day on 5th June 2025 with great enthusiasm at its Headquarters in New Delhi as well as across its field offices spread throughout the country.

The celebrations began with an Environment Pledge Ceremony, wherein officers and staff members reaffirmed their commitment to environmental protection and sustainable living.

At the headquarters, a Tree Plantation Drive was organized under the leadership of the Chairman, CWC, who personally planted saplings along with senior officials. Simultaneously, similar plantation drives were conducted at various field offices, demonstrating a collective effort toward a greener and healthier planet.

The event reflected CWC's strong commitment to environmental conservation and served as a meaningful reminder of our duty to protect and nurture nature for future generations.





Meeting on Flood preparedness for the ensuing Monsoon 2025 was held on 16.05.2025 under the chairmanship of Shri G Naga Mohan, CE, M&ERO, CWC, Bhubaneswar. The meeting was attended by the representatives of Govt of Odisha, Govt of Chhattisgarh, Govt of AP, Govt of Jharkhand and officers of CWC.



श्री द. सो. चासकर, मुख्य अभियंता, प्रबोधन मध्य संगठन, केन्द्रीय जल आयोग, नागपुर कि अध्यक्षता में IMD Hyderabad, WRD/Irrigation Project Govt. of Maharashtra and Madhya Pradesh, RMC Nagpur and Various Dam Authorities के साथ दिनांक 29-05-2025 को Flood crisis Management Team कि पहली बैठक.



दिनांक 29.05.2025 को माननीय श्री उज्ज्वल रमण सिंह की अध्यक्षता में संसदीय राजभाषा समिति की दूसरी उपसमिति ने शिलांग में मुख्य अभियंता कार्यालय, बराक एवं अन्य बेसिन संगठन, केन्द्रीय जल आयोग के साथ निरीक्षण बैठक की और कार्यालय द्वारा आयोजित प्रदर्शनी एवं कार्यालय में हो रहे राजभाषा हिंदी के कार्यों का अवलोकन कर इसकी प्रशंसा एवं प्रशस्ति पत्र प्रदान किया /



Central Water Commission

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