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JALANSH

THE MONTHLY NEWSLETTER OF CENTRAL WATER COMMISSION

NO.08

ACTIVITIES

**2ND ALL INDIA STATE MINISTERS'
CONFERENCE ON "WATER VISION@2047:
THE WAY FORWARD**

**THE 157TH MEETING OF ADVISORY
COMMITTEE**

PROJECTS

**120TH MEETING OF TECHNICAL ADVISORY
COMMITTEE (TAC) OF FARAKKA BARRAGE PROJECT
(FBP)**

POLAVARAM IRRIGATION PROJECT, AP

RESERVOIR MONITORING

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Chairman Message



Dr. Mukesh Kumar Sinha
Chairman, CWC

It gives me great pleasure to present this edition of Jalansh, capturing the breadth of activities, key developments, and major milestones accomplished by the Central Water Commission (CWC) in recent months. The March 2025 edition reflects our unwavering commitment to advancing sustainable water management practices and supporting the Government of India's overarching vision of Water Secure India by 2047.

One of the highlights of this period was the successful organization of the 2nd All India State Water Ministers' Conference at Udaipur, Rajasthan. The enthusiastic participation of ministers, senior officials, and experts from

across the nation reaffirmed the shared commitment to water sustainability. The CWC contributed meaningfully to this forum, presenting on opportunities and challenges in enhancing water storage infrastructure. Additionally, our Chief Engineer presented a detailed account of Remote Sensing-Based Irrigation Performance Assessment Tools (E-QIPA), emphasizing the role of technology in irrigation efficiency and policy feedback.

We also actively participated in critical review and advisory meetings, including the 157th Meeting of the Advisory Committee of the Department of Water Resources, River Development & Ganga Rejuvenation. These forums continue to be essential in evaluating the techno-economic viability of major and medium irrigation and flood control projects. The guidance and directives received during these discussions will inform better design and execution of projects across states.

Our field activities and technical oversight continued with vigour. The visit to the Farakka Barrage Project and the detailed deliberations during the 120th TAC meeting reflect our sustained focus on ensuring the safety, functionality, and sustainability of crucial infrastructure. Similarly, the review meeting on the Polavaram Irrigation Project provided valuable direction for expediting works and ensuring high-quality construction.

Capacity building remains central to our mandate. In this quarter, a series of training programs under DRIP Phase II were organized, covering vital topics like flood routing, dam instrumentation, procurement, management, and project supervision. The induction training of newly recruited engineers further reflects our proactive investment in building a technically competent workforce.

I must also highlight our continuous monitoring efforts. The live storage data of 155 reservoirs being monitored by CWC is vital for managing water resources, particularly during periods of scarcity and flood.

In conclusion, I extend my heartfelt appreciation to all officers and staff of CWC for their dedication and excellence. I also thank our partners and stakeholders for their continued support. Let us work together with renewed determination to realize the vision of a water-secure and resilient India.

A handwritten signature in blue ink, likely of Dr. Mukesh Kumar Sinha, the Chairman of CWC. The signature is stylized and appears to read 'Mukesh Sinha'.

Meetings Regarding Projects

The 120th meeting of Technical Advisory Committee (TAC) of Farakka Barrage Project (FBP) at Farakka, West Bengal



The 120th meeting of the Technical Advisory Committee of the Farakka Barrage Project (TAC-FBP) was held on 8th February, 2025, under the chairmanship of Member (D&R), CWC. Before the meeting, a site visit to the Farakka Barrage Project was conducted on 07.02.2025 to assess on-ground conditions and ongoing works. The

meeting was focused on key technical aspects and developments related to the project. The TAC meeting was attended by various members of TAC-FBP from various prestigious technical organisations e.g. CWC, CWPRS, CSMRS, NTPC, NHAI, Kolkata Port etc. Officials and experts participated in discussions to review project health and remedial measures to keep the project safe and running in good condition.

Polavaram Irrigation Project, Andhra Pradesh

A review meeting of the Polavaram Irrigation Project (PIP) was held on 10th February 2025 in the Committee Room of the Department of Water Resources, River Development & Ganga Rejuvenation (DoWR, RD&GR). The meeting was chaired by Smt. Debashree Mukherjee, Secretary, DoWR, RD&GR, and was attended by senior officers of the Ministry, Central Water Commission, Polavaram Project Authority, CSMRS, M/s WAPCOS, and the Water Resources Department, Government of Andhra Pradesh.

During the meeting, the Secretary directed that the examination of the buttress design be completed within seven days to enable timely commencement of construction activities.

Discussions also focused on the ongoing Diaphragm Wall construction, with particular emphasis on the finalization of the plastic concrete design mix to ensure structural integrity and quality standards.



Training/Workshop/Conference

SI No.	Name of Training	Durations	No. of participants	Objective
1	Training on Procurement management (by CPMU under DRIP Phase II)	02 days	25	The part of capacity building of the official under Component-II of ongoing DRIP-II Scheme.
2	Training on Design Flood Routing & Inflow forecasting (by CPMU under DRIP Phase II)	02 days	19	The part of capacity building of the official under Component-II of ongoing DRIP-II Scheme.
3	Training on Dam Instrumentation & Monitoring (by CPMU under DRIP Phase II)	02 days	26	The part of capacity building of the official under Component-II of ongoing DRIP-II Scheme.
4	Project Management, Project Supervision and Quality Control (by NWA, Pune)	05 Days	58	Key aspects of project management, including project planning techniques such as WBS, Bar Chart, and CPM etc.
5	Induction Training Program for newly recruited Junior Engineers of CWC (by NWA, Pune)	03 week	56	Cadre Training



Visit of sites/projects

Lakhwar Multi-Purpose Project, Uttarakhand and Renukaji Dam Project, Himachal Pradesh



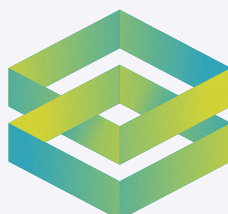
Lakhwar Multipurpose Project, Uttarakhand is under construction. The breakthrough of Diversion Tunnel (DT3) achieved by Project Authorities on 29th January 2025. A team of CWC

visited the project site on 28.02.2025 to observe the ongoing construction works including the lining of DT3, DT3 Inlet and Exit Wing Wall Works, Excavation of Left Bank Vertical Shaft , left bank stripping works. The team discussed the ongoing works with the project authorities.

Pancheswar Dam



Site visit of Pancheswar Dam site was undertaken by the Executive Committee of PDA during 2nd -4th February, 2025. The Executive Committee members are Shri Bhopal Singh, CEO, PDA, Shri Manoj Kumar, ED (Admin), Shri Alok Paul Kalsi, ED (Legal) & Shri Kuldeep Kumar Singh, ED(Environment) from Indian side and Shri Jeebachh Mandal, ACEO, Maheswor Shrestha, ED (Technical), Shri Shambhu Prasad Marasini, ED (Finance) and Shri Mitra Baral, ED (R&R). The issues of shifting of office to a new location, status of land acquisition for office set up at Mahendranagar and survey and investigation being carried out at the Pancheshwar Dam site were discussed during the visit.



Other Important Activities

2nd All India State Ministers' Conference on "Water Vision@2047: The Way Forward

The 2nd All India State Water Ministers' Conference 2025 organized by National Water Mission, Ministry of Jal Shakti was held during 18th-19th February 2025 at The Ananta Resort, Udaipur, Rajasthan. The conference, themed "India@2047 – A Water Secure Nation," aligns with the Hon'ble Prime Minister's vision of a developed, water-secure India. This vision emphasizes the importance of sustainable water management to support agriculture, industry, and domestic use while preserving our rivers and ecosystems for future generations. 1st All India Annual State Ministers Conference with the theme "Water Vision@2047" was held during 5th & 6th January 2023 at in Bhopal, Madhya Pradesh.



The 2nd All India State Water Ministers' Conference 2025 was graced by 34 Ministers and over 300 delegates from Central and State Governments during these two days. The conference featured approximately 35 presentations across six themes, 5 e-launches, and 15 video showcases highlighting key interventions. The Chief Ministers of Odisha and Tripura, and the deputy chief ministers of Himachal Pradesh, Chhattisgarh, and Karnataka graced the inaugural function of the conference with their presence. The chief guests and dignitaries attending the Second All India Conference of State Water Ministers were

presented with 'Piku,' the mascot of the National Water Mission (NWM), as a commemorative memento.

Shri Mukesh Kumar Sinha, Chairman, Central Water Commission delivered a presentation on the topic "Opportunities and Challenges in Water Storages Infrastructure and augmenting the supply" in the thematic Session 2 (Theme: "Water Storages Infrastructure and Augmenting the Supply") of the conference.

A presentation on Remote Sensing Based Irrigation Performance Assessment Tools (E-QIPA) was made by Shri Padma Dorji, Chief Engineer (POMIO), Central Water Commission in thematic Session 4 (Theme: Water Delivery Services with Focus on Irrigation and other uses). A fact sheet containing the results generated by the E-QIPA tools of all the command areas of each state was shared with the states for feedback.



In the closing ceremony of the two-day conference, Union Minister of Jal Shakti Shri C R Patil emphasized that the conference was not just limited to discussing challenges but also focused on collective efforts to find solutions. The Minister also highlighted the importance of such forums in sharing knowledge and finding practical solutions to issues.

Other Important Activities

The 157th Meeting of Advisory Committee Meeting

The 157th meeting of the Advisory Committee of Department of Water Resources, River Development & Ganga Rejuvenation (DoWR, RD & GR), Ministry of Jal Shakti (MoJS), for consideration of techno-economic viability of Major & Medium Irrigation, Flood control and Multipurpose project proposals, was held under the chairpersonship of Ms. Debashree Mukherjee, Secretary to the Government of India, DoWR, RD & GR, MoJS on 11th February 2025.

A total of 05 no. of projects were considered in the AC meeting, wherein 01 medium irrigation project of Odisha and 03 Flood control projects of Bihar were accepted, while 01 major irrigation project of Telangana was deferred.

Details of the projects considered are as follows:

Sl.	Project Name	Scheme	State	Estimated Cost (₹ Cr)	BC Ratio
1	Integrated Sita Rama Lift Irrigation & Sitamma Sagar Multipurpose Project	Irrigation	Telangana	₹ 19954.10 Cr PL- June 2023	1.57:1
2	Mankada Medium Irrigation Project	Irrigation	Odisha	₹ 1053.69 Cr PL- 2024	1.60:1
3	Strengthening and Pukkikaran from km 66.00 km to 132.80 km of Champaran Embankment	Flood Protection	Bihar	₹ 294.91 Cr	1.8:1
4	Raising, strengthening and Pukkikaran of left and right Kamla Balan Embankment (Phase - III) from Km 0.0 (Jainagar) to Km 11.72 (Kasama), km 21.50 (Pirahi) to Km 27.10 (Pipraghat) and Km 92.50 (Punach) to Km 105.350 (Ghoghepur) of L.K.B.E and from Km 0.00 (Jainagar) to Km 23.20 (Bhatgama) and Km 94.00 (Palwa) to Km 111.290 (Phuhia) of R.K.B.E	Flood Protection	Bihar	₹ 254.45 Cr	2.31:1
5	Bagmati- Shanti Dhar- Burhi Gandak River link Project under Samastipur District	Flood Protection	Bihar	₹ 117.82 Cr	2.31:1

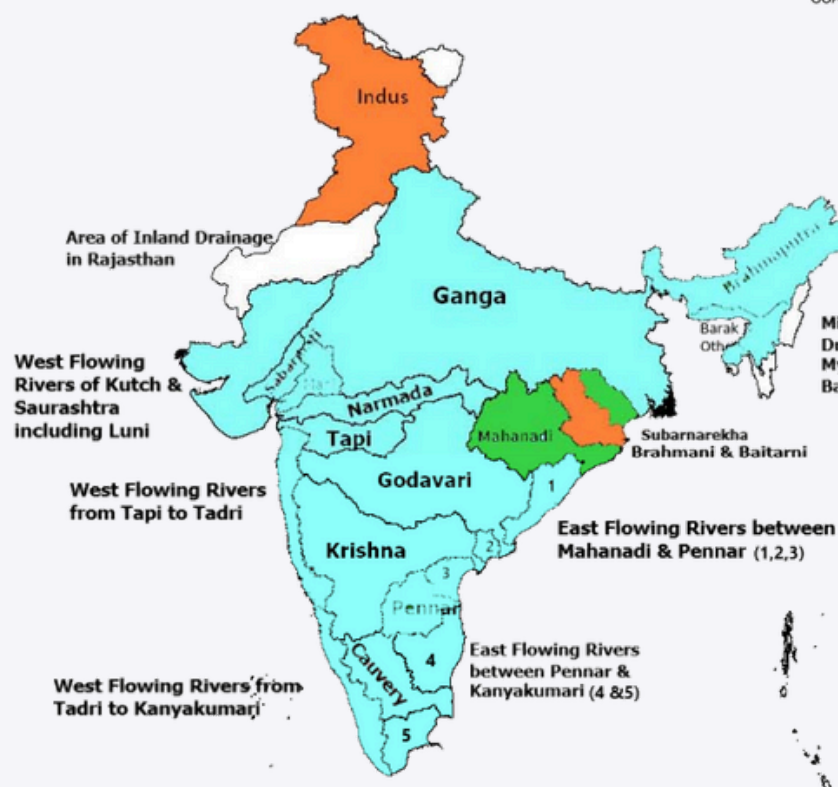
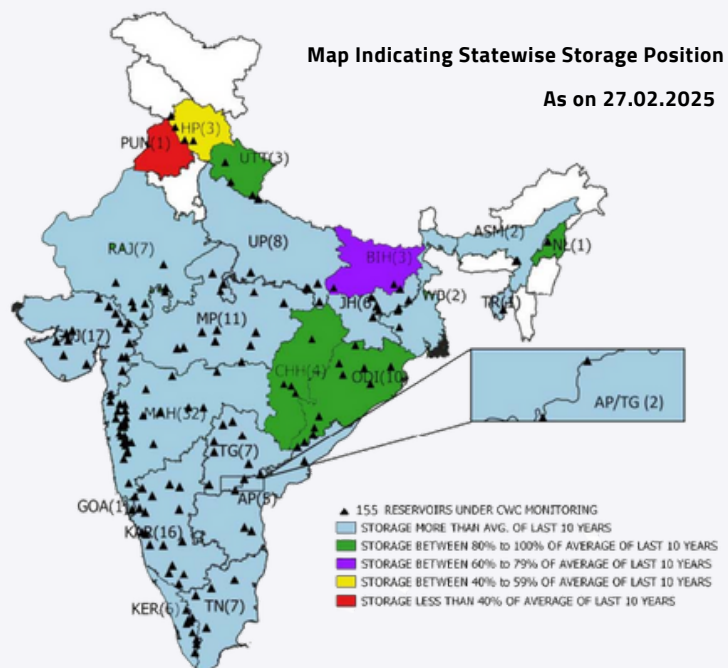
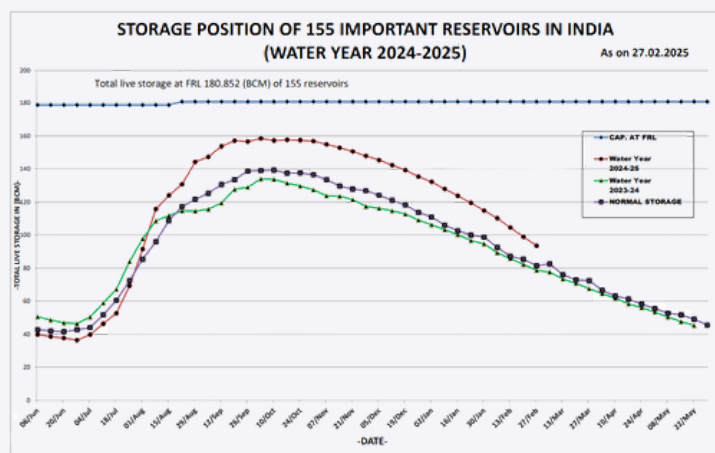
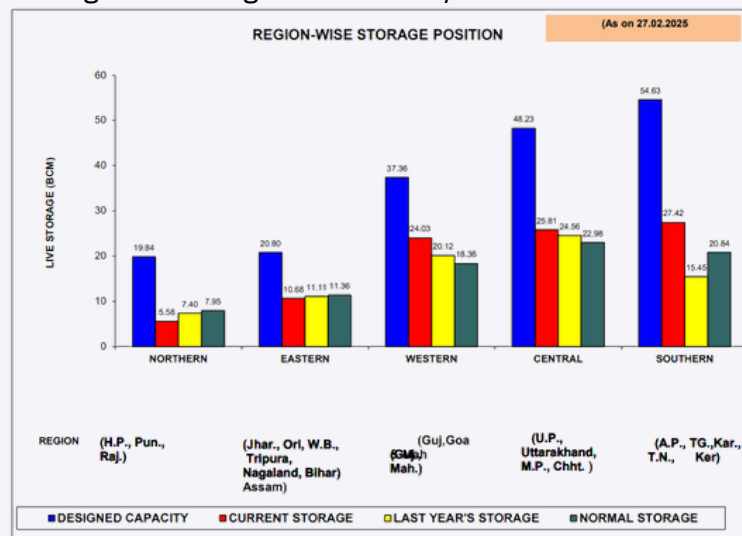
In addition to project evaluations, the meeting addressed several key policy and technical directives. The Secretary (WR, RD & GR) instructed the Central Water Commission (CWC) to develop an accreditation mechanism for State Design Offices, mandating certification from accredited offices for design check exemptions. She also highlighted the substantial progress made by Maharashtra, Madhya Pradesh, and Odisha in implementing Underground Pipeline (UGPL) systems, and asked CWC to collaborate with these states for a study on UGPL's impact on water use efficiency, with the aim of broader adoption. Furthermore, the Secretary emphasized improving the quality of Advisory Committee notes from the GFCC, prompting a directive for CWC to train GFCC officers. Lastly, she urged CWC to assess the performance of projects using piped distribution systems and revise related guidelines as necessary.

Reservoir Monitoring

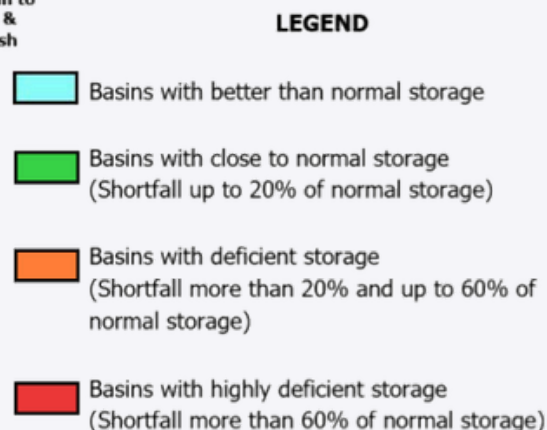
Central Water Commission is monitoring live storage status of 155 reservoirs of the country and is issuing weekly bulletin on every Thursday. Out of these reservoirs, 20 reservoirs are of hydro-electric projects having total live storage capacity of 35.299 BCM. The total live storage capacity of 155 reservoirs is 180.852 BCM which is about 70.15% 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 27.02.2025, live storage available in these reservoirs is 93.529 BCM, which is 52% of total live storage capacity of these reservoirs. However, last year the live storage available in these reservoirs for the corresponding period was 78.633 BCM and average of last 10 years live storage was 81.497 BCM. Thus, the live

storage available in 155 reservoirs as per 27.02.2025 Bulletin is 119% of the live storage of corresponding period of last year and 115% of storage of average of last ten years.



Map Indicating Basinwise Storage Position (As on 27.02.2025)



KELIA Project

Some Archival Images from the Glorious History of Dam construction in India

EARTHWORK IN EMBANKMENT IN IP AND SP ZONE IN PROGRESS



EARTH WORK IN EMBANKMENT IN PROGRESS (2)



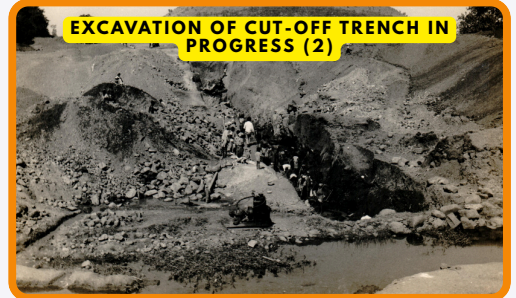
DOWN STREAM VIEW OF HEAD REGULATOR WITH CANAL WORK IN PROGRESS



EARTH WORK IN EMBANKMENT IN PROGRESS



EXCAVATION OF CUT-OFF TRENCH IN PROGRESS (2)



EXCAVATION OF CUT-OFF TRENCH IN PROGRESS



EXCAVATION OF RIGHT RETAINING WALL OF SPILLWAY IN PROGRESS



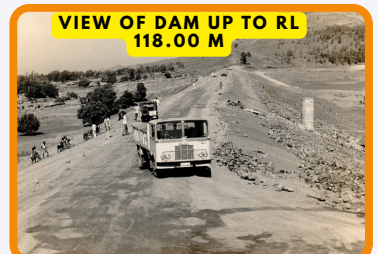
MASONRY WORK OF LEFT RETAINING WALL AND EXCAVATION OF TAIL CHANNEL IN PROGRESS



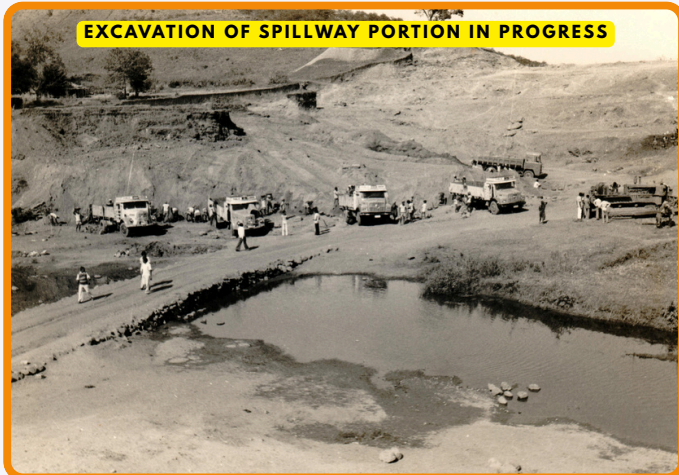
MASONRY WORK IN LEFT RETAINING WALL IN PROGRESS



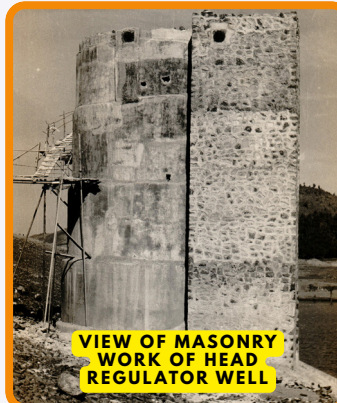
VIEW OF DAM UP TO RL 118.00 M



EXCAVATION OF SPILLWAY PORTION IN PROGRESS



VIEW OF MASONRY WORK OF HEAD REGULATOR WELL



VIEW OF HEAD REGULATOR RETAINING WALL AND TWIN ENTRY GATES



Central Water Commission

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Ministry of Jal Shakti, Govt. of India

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