



# JALANSH

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**EUROPEAN UNION DELEGATION**

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## Chairman Message



Dr. Mukesh Kumar Sinha  
Chairman, CWC

I am pleased to present this edition of Jalansh, which highlights the important progress made by the Central Water Commission (CWC) in recent months. The period of November-December 2024 has seen active engagement, discussions, and notable advancements in various water management initiatives, infrastructure projects, and policy frameworks.

A meeting with the European Union delegation under the India-EU Water Initiative (IEWI) Phase III focused on the importance of global cooperation in water management. Key outcomes of the 8th India Water Week were reviewed, reaffirming the commitment to integrate and sustainable water governance.

Under the guidance of the Hon'ble Minister, MoJS, several national projects such as the Renukaji Dam, Grand Anicut Modernization Scheme, Shahpurkandi Dam, and the Lakhwar Multipurpose Project were reviewed. These projects are set to improve irrigation, drinking water supply, and hydroelectric generation, benefiting millions of people. Discussions regarding the Gosikhurd Project and the Punatsangchhu-I Hydroelectric Project in Bhutan addressed technical challenges and ensured the timely completion of these projects.

The CWC has been actively involved in improving flood management and early warning systems. With climate change increasing the risk of floods, the focus has been on strengthening flood early warning systems in major river basins like Mahanadi, Godavari, and Tapi. The collaboration with NESAC for flood forecasting in the Northeastern Region is another step towards building disaster resilience.

The third meeting of the Technical Committee under the DRIP Phase II & III in Dehradun reviewed important technical, financial, and environmental safeguards. The assessments at key sites like Vishnupuri Barrage and Tilpara Barrage reaffirm the commitment to maintaining structural safety and operational efficiency.

The CWC has also played a vital role in resolving inter-state water disputes. Discussions on the Kosi-Mechi Intra-State Link Project and other inter-state water sharing disputes highlight efforts in ensuring fair and sustainable water distribution.

As the CWC moves ahead, the focus remains on improving project execution, strengthening flood resilience, ensuring dam safety, and promoting international cooperation. Sincere gratitude is extended to all stakeholders, officials, and experts whose hard work and dedication contribute to the success of this mission.

Let us continue with renewed energy to ensure sustainable water management for a secure and prosperous future.

A handwritten signature in blue ink, likely of Dr. Mukesh Kumar Sinha, the Chairman of CWC. The signature is stylized and written in a cursive script.

# Meetings with Foreign Delegation

## European Union Delegation



Shri Rakesh Kumar Verma, Chairman, CWC chaired the meeting with European Union Delegation which was held on 8th October 2024 at Sewa Bhawan. The meeting was attended by Shri Navin Kumar, Member (WP&P), CWC, Shri Anand Mohan, JS(RD&PP), DoWR, other officers from DOWR, RD&GR and Central Water Commission representing the Indian side. The EU delegation included representatives from the European Commission and representatives of GIZ. The committee deliberated on the future course of action for Phase-III of India EU Water Initiative (IEWI) and discussed key outcomes of 6th India EU forum held during 8th India Water Week.

## Meetings Regarding Projects

### Meeting regarding various projects under the Chairmanship of Hon'ble Minister, MoJS

Government of India approved a scheme of National Projects for implementation during XI Plan with a view to expedite completion of identified National Projects for the benefit of the people. National projects scheme is provided financial assistance for the cost of irrigation & drinking water component in the form of central grant.

A meeting to discuss below mentioned projects was held on 15.10.2024 under the Chairmanship of Hon'ble Minister, MoJS and following discussions were held:

#### Renukaji Dam Project:

Renukaji Dam Project envisages construction of 148-m high rockfill dam at about 5 km upstream of existing Jateon Barrage and about 375 m downstream of Confluence of jogar-ka-khala with river Giri in District Sirmour of Himachal Pradesh. This is a storage scheme on river Giri, a tributary of river Yamuna.

This project will generate 40MW of incidental power. The live storage of 498 MCM will ensure a firm water supply to the tune of 23 cumecs during 9 months (October to June) to Delhi.

The sanctioned cost of the Renukaji Dam Project approved by Advisory Committee of

DoWR, RD&GR in its 143rd meeting held on 9.12.2019 is Rs. 6946.99 Crore (PL Oct 2018). The implementation of the project is under progress and scheduled to be completed by August, 2032.

Meeting was attended by officials from DoWR, RD & GR and CWC. During the meeting, discussions were held on design issues and schedule completion of Renukaji Dam Project.

#### Shahpurkandi Dam Project:

The Shahpurkandi Dam Project (National Project) is on river Ravi, 11 Km downstream of Ranjit Sagar Dam and 8 Km upstream of Madhopur Headworks. It envisages construction of 55.5 m high concrete dam, 7.70 km long Hydel Channel along the left bank of river, 2 nos. head regulators, one to feed Shahpurkandi Hydel Channel (Left side) in Punjab and the other to feed Ravi Canal (right side) in J&K.

The Project has Irrigation benefit of 37173 ha. (32173 ha. in J&K + 5000 ha. in Punjab) and power potential of 206 MW (2x99 MW + 8 MW). Meeting was attended by officials from DoWR, RD & GR and CWC. During the meeting, discussions were held on approval of revised cost and timely completion of Shahpurkandi Dam Project.



## Meetings Regarding Projects

Another PIB Meeting under the chairmanship of Secretary, Département of Expenditure was held on 21.11.2024. Meeting was attended by officials from DoWR, RD & GR and CWC. During the meeting, discussions were held on approval of revised cost, enhancement of Central Assistance and extension of project completion till December, 2025.

### Lakhwar Multipurpose Project:

Lakhwar Multipurpose Project envisages construction of a 204 m high concrete dam across river Yamuna in Uttarakhand with live storage of 330.66 MCM. The total installed capacity of the project is 300 MW (3X100MW), would provide irrigation benefit to 33,780 ha and 78.83 MCM of drinking and industrial water supply. The project also envisages construction of Katapather Barrage at 13.6 Km downstream of Lakhwar dam.

The project is to be executed by Uttarakhand Jal Vidyut Nigam Limited (UJVNL). Lakhwar was accepted in 141st TAC meeting held on 11-02-2019 at Revised Cost of Rs. 5747.17 Cr at 2018 (PL). The project is scheduled to be completed by Dec 2031.

Meeting was attended by officials from DoWR, RD & GR and CWC. During the meeting, discussions were held on design issues and timely completion of Lakhwar MPP.

Due to sedimentation observed at proposed TRT outlet of Lakhwar MPP (after operation of Vysai Reservoir), long term safety concerns were raised by CWC and it was being advised to raise the TRT outlet than the proposed at tender stage. In this regard, apprehensions were raised by CEA/UJVNL regarding its impact on c/I turbine. In this background, another meeting was convened between CWC and CEA on 28.11.2024. The meeting was co-chaired by Member (D&R), CWC and Member (Hydro), CEA and attended by concerned officers of both the organization.

### Gosikhurd Project:

Gosikhurd, a major irrigation project under construction in Maharashtra State, envisages creation of an irrigation potential of 2,50,800 ha through construction of an earthen dam with gated spillway across River Wainganga near

village Gosikhurd of Pauni Taluka of Bhandara District.

The project was approved by erstwhile Planning Commission, Govt. of India for Rs. 7777.84 Cr (DSR 2007-08) vide letter No. 20(13)/2008-WR dated 14.05.2008. The corresponding cost of the components in National Project was Rs. 4,315.966 Cr. The project was funded under AIBP till 2008 and was declared as a National Project in February 2009. The revised cost of the project was finalised for Rs. 18,494.57 Cr by CWC, New Delhi under Fast Track Performa Clearance (FTPC) vide O.M. 4/1/2013/NP-II/Vol-VII/1802-1814 dated 11.12.2017 having a corresponding National Project cost of Rs. 12,770.09 Cr. The project has been planned to cater an Ultimate Irrigation Potential (UIP) of 250800 ha, out of which 231081 ha is under National Project. The target date for completion of the project is June-2026.

Meeting was attended by officials from DoWR, RD & GR and CWC. During the meeting, discussions were held regarding timely completion of the Gosikhurd Irrigation Project.

### Grand Anicut Extension and modernization scheme, Tamil Nadu

The Grand Anicut Extension and Modernization Scheme in Tamil Nadu was announced in the year 2019-2020, with administrative sanction granted on 13.11.2020 and the work order issued on 05.02.2021. The project, estimated at a cost of ₹1082.31 crore, aims to restore the full supply discharge of 4,200 cusecs in the Grand Anicut Canal, improving its conveyance efficiency from 45% to 61.60%. It seeks to enhance agricultural production by bridging a gap area of 67,500 acres, benefiting a total ayacut of 2,27,472 acres in the Thanjavur and Pudukkottai districts. The scheme includes significant components such as 101.41 km of canal lining, five regulators, repairs to 79 head sluices and pipe sluices, 24 drops, three bridges, four canal siphons, two aqueducts, 23 siphons and siphon aqueducts, 31.56 km of roads, 45.21 km of bund strengthening, 7.58 km of protection walls, and 2.8 km of revetment. As of now, the project has achieved 99.6% work progress and 96% financial progress, with an expenditure of ₹1039.75 crore. Out of the five project packages, four have been completed, and

## Meetings Regarding Projects

one is nearing completion. While the agreement end date is February 2024, the revised completion date has been set to 30.04.2024, earlier than the previous end date of 23.08.2024. Despite delays caused by the advanced release of water from the Mettur dam during 2022 and 2023, as well as the water regulation period in 2024, the project is on track for completion by the revised timeline. The ayacut benefited stands at 1,44,572.32 acres, reflecting the significant impact of this modernization initiative.

### **Grand Anicut Canal Drop No.2 LS 62.885 Km in Chellampatti Village of Orathanadu Taluk in Thanjavur District**



**BEFORE EXECUTION**



**AFTER EXECUTION**

### **Lining – LS 80.00 Km to 89.045 Km in Vettuvakkottai village of Orathanadu Taluk in Thanjavur District**



**BEFORE EXECUTION**



**AFTER EXECUTION**

### **Maharajasamuthiram Aqueduct at Sillathur (Vettikadu) Village in Orathanadu Taluk of Thanjavur District**



**BEFORE EXECUTION**



**AFTER EXECUTION**

### **41st meeting of TEC for completing the balance works of North Koel Project, Bihar & Jharkhand**

The 41st meeting of the Technical Evaluation Committee (TEC) for completing the balance works of North Koel Reservoir Project (NKP) was held on 21.10.2024 at CWC, New Delhi under the Chairmanship of Member (WP&P), CWC and Chairman (TEC), NKP. The officers from DoWR, CWC HQ & field units, State Governments of Bihar, Jharkhand and WAPCOS participated in the meeting.

There was discussion on important agenda items such as status of land acquisition by WRD Bihar, progress of various components of the balance works of the project by the WAPCOS, Status of Tender for the work of "Lining, Repair, & Construction of RMC and it's structures in Bihar portion (RD 68.37 Km to 109.09 Km), Status of Tender for the work of the construction of distribution etc.



## Meetings Regarding Projects

### **Discussions on Additional Measures Proposed for Right Bank Stability of Punatsangchhu-I HEP**



The meeting was attended by the Member (D&R), Central Water Commission (CWC) and his team, WAPCOS, the Geological Survey of India (GSI), CEA, CSMRS, Ministry of External Affairs, and the Royal Government of Bhutan. During the meeting, the officials discussed the proposed additional measures to ensure the stability of the right bank of the Punatsangchhu-I Hydroelectric Project (HEP).

### **Sirhind Feeder, Rajasthan Feeder Project, and Shahpurkandi Dam project**

A meeting under the chairmanship of Chairman, CWC) was held on 28.11.2024 at New Delhi. The meeting was attended by the Principal Secretary, WRD, Govt. of Punjab and officials from Department of Water Resources, RD &GR, CWC and WRD, Govt. of Punjab. The objective of the meeting was to review and discuss the issues of various projects raised by WRD, Govt. of Punjab in order to expedite the progress these projects. The details of the projects discussed during the meeting are as under:

- a) Relining of Sirhind Feeder Canal
- b) Relining of Rajasthan Feeder Canal
- c) Shahpurkandi Dam Project
- d) Flood projection works in border areas to protect BOP, international boundary facing and other defense infrastructures established in term of national security
- e) Project estimate for extension, renovation and modernization of canals being fed from River Sutlej
- f) River Management Activities and Works related to Border Areas (RMABA)

### **Kosi-Mechi Intra-State Link Project**

The existing Kosi project includes the Hanuman Nagar barrage, located near Hanuman Nagar town close to the Indo-Nepal border, and the canal networks namely Eastern Kosi Main Canal (EKMC) and Western Kosi Main Canal (WKMC). The proposed Kosi-Mechi Intra-State Link Project involves the remodelling of the existing EKMC (RD 0.0 Km to RD 41.3 km) and its extension from RD 41.30 km to RD 117.50 km up to the Mechi River, a tributary of the Mahananda River.

The aim of extension of EKMC up to Mechi river is mainly to irrigate additional CCA of 2.15 lakhs Hectare in the districts of Araria, Kishanganj, Purnea, and Katihar of water scarce Mahananda basin command area during Kharif season (June to October) depending upon pondage available in Hanuman Nagar Barrage and transfer part of surplus water of Kosi basin to Mahananda basin. To review and discuss the planning & design related issues of Kosi-Mechi Intra-State Project for expediting the preparation of working DPR by NWDA, A meeting under the chairmanship of Development Commissioner, Govt. of Bihar was held on 18.11.2024 at Patna among the officials of WRD Bihar, NWDA, BCD (N&W), CWC (HQ) and LGBO, CWC.

### **Review of Subenarekha Projects , Rajiv Bheema Lift Irrigation, Modernisation of Lower Bhavani projects & other projects**

A Review Meeting of 7 Projects was held on 18.11.2024 under the Chairmanship of Minister of Jal Shakti. The Meeting was attended by Secretary DoWR, RD&GR, AS, DoWR, RD&GR, Chairman CWC, Member WP&P and Directors of PMO wherein Minister of Jal Shakti has instructed to provide the detailed Comparative Note on costs of Project (original and further revised costs) emphasizing on factors causing rise in revised cost, in various components of the Projects, in response to this, this office has provided the same information.

During the review meeting, it was decided to organize a joint meeting with the project authorities of Jharkhand and Odisha States to discuss the progress of joint component of the Subarnarekha Irrigation Project.

# Training/Workshop/Conference

## Training Programs organized by NWA, Pune

Sl No.	Name of Training	Durations	No. of participants	Objective
1	34th Induction Training Program (ITP)	34 weeks	34	For newly appointed CWES Group-A Officers
2	Water Quality Monitoring & Assessment	One Week	33	Participants from various State Pollution Control Boards, Public Health Engineering Departments, Water Supply and Sanitation Departments, and city water boards.
3	Training Program on Integrated Water Resources Management (IWRM)	One Week	---	Wide array of topics on IWRM such as Trans-boundary Water Management, Multi Criteria Analysis for River Basin Master Plan, Basin-wise Reassessment of Water Resources, National Water Policy & Framework Law, etc.
4	Induction Training Program (ITP)	One Week	17	Newly recruited Junior Engineers (JEs) of Farakka Barrage Project (FBP)
5	Hydrological Modeling using Free Tools' under the National Hydrology Project (NHP)	One Week	48	Overview of several free and open-source tools, such as QGIS for GIS analysis, Google Earth Engine for satellite data analysis
6	MCTP for Assistant Directors & MCTP for Extra Assistant Directors of Hydromet Cadre	07 Days	05+10=15	Mandatory Cadre Training Program
7	Reservoir Sedimentation Assessment and Management	One Week		Training under the National Hydrology Project (NHP)
8	Procurement through e-GeM, e-Tendering and Procurement Challenges (in collaboration with the North Eastern Hydraulic & Allied Research Institute (NEHARI), Brahmaputra Board)	One Week	--	Enhancing the skills and competencies of BB officials in addressing procurement challenges and the effective use of e-GeM and e-tendering platforms.





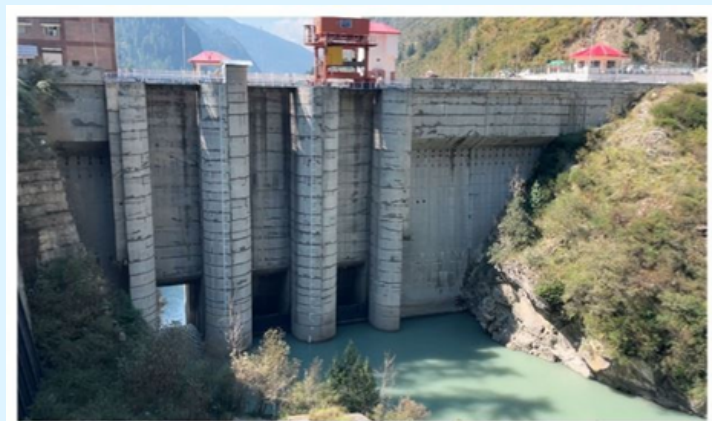
# Training/Workshop/Conference





## Visit of sites/projects

### **Parbati-II HEP (800 MW) of NHPC, Kullu, Himachal Pradesh**



Vide NDSA OM dated 11.10.2024, Director and Deputy Director, Emb (N&W) were authorized to inspect the Dam of Parbati-II HEP (800 MW), H.P. on the behalf of NDSA before initial filling and to review the initial filling plan prepared by project authorities.

The joint team of officers from the Central Water Commission and NDSA visited the project from 16.10.2024 to 18.10.2024.

### **Ajwa dam and Pratappura dam regarding problem of flooding in Vadodara city, Gujarat**

Shri Vivek Tripathi, CE, Designs (N&W), Shri Alok Paul Kalsi, Director, WSRS Dte and Shri Amir Suhail, Deputy Director, CWC along with officers from CWC Gandhinagar & Vadodara Municipal Corporation visited Ajwa & Pratapurra reservoirs and the feeder canal connecting these two reservoirs on 10th Oct 2024.

The purpose of visit was to study the cause of recent floods in Vadodara, to study the impact of upstream reservoirs in attenuating the flood peak

and to suggest short & long term flood mitigation measures for preventing the flood like situation in future.

Another meeting under the Chairmanship of Shri B.N. Navalawala, Chairman of the committee constituted by Hon'ble Chief Minister of Gujarat to study the flooding situation of Vadodara city, was held on 11th Oct 2024. In the meeting, detailed discussions were held on the measures suggested by CWC team.



### **Expert Group to Subansiri Lower HEP**

Sh. Narendra Singh Shekhawat, Director, CWC, is a member of the Expert Group formed by the Ministry of Power in November, 2023, to evaluate the ground situation of the Subansiri Lower HE Project. The final report of the Expert Group was submitted to the Ministry of Power by CEA on November 13, 2024. Following this, CEA organized a site visit from November 20-22, 2024, to assess the project's on-ground conditions. Sh. Narendra Singh Shekhawat, Director, CWC participated in this site visit alongwith Ms. Manu Dubey, DD, CMDD(N&W).





## Visit of sites/projects

### **Vishnupuri Barrage, Nanded, Maharashtra**



Vishnupuri Barrage, Nanded, Maharashtra is a High-Level Barrage constructed across Godavari River as a part of the Lower Godavari Project namely Shankarraoji Chavan Vishnupuri Project (then the second largest Lift Irrigation Scheme (LIS) in Asia).

In pursuance to concern raised by Dr. Ajeet Madhavarao Gopchade, Hon'ble MP, Rajya Sabha, the MoJS directed to constitute a central team to study the siltation issue in the Vishnupuri

Barrage. Accordingly, a team officers from CWC and CPMU DRIP was constituted to gather an idea about the siltation problem and suggest measures. Accordingly, site visit was conducted by the team on 12.11.2024.

### **Tilpara barrage**

A team of officers from CPMU/CWC, EMC and World Bank visited the Tilpara barrage, West Bengal on 13.11.2024 to guide the West Bengal Officials in firming up the remedial measures immediately in view of the subsidence downstream of the barrage.





### **The 3rd meeting of Technical Committee of DRIP Phase-II & III**

The third meeting of Technical Committee of DRIP Phase II and III was held on 18.10.2024 under the chairmanship of Sh. Bhopal Singh, Member (D&R), CWC at Dehradun, Uttarakhand. The meeting was attended by the members of the Technical Committee. During the meeting, progress of the scheme was deliberated and the critical Issues / challenges being faced (Technical, Financial, E & S Safeguard and Procurement aspect) were discussed in detail.





### I. Flood related matters

#### Flood Situation in the country - November 2024

Regular Flood Forecasting Activity commenced on 1st May 2024 in Brahmaputra and Barak and Jhelum basins. During the period from 1st May to 30 November 2024, Total 10408 (7086 level+3322 Inflow) flood forecasts were issued, and 9943 (6790 Level+3153 Inflow) forecasts were within permissible limit with a 95.53 % percent accuracy. 141 nos. of Red Bulletin (for Extreme flood situation) and 124 no. of Orange Bulletin (for severe flood situation) were issued during the month of October 2024 and No Red Bulletin (for Extreme flood situation) and 4 nos. of Orange Bulletin (for severe flood situation) were issued during the month of November 2024 from Central Flood Control Room.

#### Summary of Flood Situation during 01.05.2024 to 30.11.2024

##### Extreme Flood Situation

Six FF station observed Extreme Flood Situation.

Sl No.	State	District	River	Station	Period	
					From	To
1	Assam	Jorhat	Brahmaputra	Neamatighat	30/06/2024	02/07/2024
2		Sonitpur	Jiabharali	Jia-Bharali NT Road Crossing	01/07/2024	01/07/2024
3		Sivasagar	Dikhow	Sivasagar	02/07/2024	02/07/2024
4		Dibrugarh	Buridehing	Khowang	02/07/2024	03/07/2024
5	Bihar	Sitamarhi	Bagmati	Dheng Bridge	28/09/2024	29/09/2024
6		Muzzafarpur	Bagmati	Runisaidpur	29/09/2024	30/09/2024

70 flood monitoring station observed Extreme flood situation.

##### Severe Flood Situation

91 FF Stations observed Severe Flood Situation in Assam, Bihar, Sikkim , West Bengal, Uttar Pradesh, Andhra Pradesh, Kerala, Telangana, Maharashtra, Tamilnadu, Tripura, Jharkhand, Odisha, Madhya Pradesh, Rajasthan, Gujarat and Chhattisgarh.

128 monitoring station observed Severe Flood

Situation in Assam, Bihar, Manipur, Kerala, Karnataka, Tripura, Uttar Pradesh Uttarakhand, Maharashtra, Madhya Pradesh, Odisha, Gujarat, Goa, Tamilnadu, Telangana, Jharkhand, Chhattisgarh, Rajasthan and West Bengal.

##### Above Normal Flood Situation

50 FF Stations in Arunachal Pradesh, Assam, West Bengal, Bihar, Uttar Pradesh, Uttarakhand, Andhra Pradesh, Maharashtra, Jharkhand, Odisha, Telangana, Tripura, Karnataka and Gujarat observed Above Normal Flood Situation.

##### Reservoirs having Inflow above threshold limit

77 reservoir received inflows above their threshold limit in Tamilnadu, Telangana, Karnataka, Kerala, Andhra Pradesh, Chhattisgarh, Gujarat, Jharkhand, Madhya Pradesh, Maharashtra, Odisha, Rajasthan, Uttar Pradesh, Uttarakhand and West Bengal.



## Other Important Activities

### **Presentation of Flood Inundation Module along with the background material/action plan and the requirements**

A meeting under the chairmanship of Shri Rakesh Kumar Verma, Chairman, CWC, on flood inundation module was held on 9th October 2024. The senior officials of DoWR, RD & GR and CWC (HQ) participated in the meeting. The status of existing / ongoing inundation studies through consultancy / collaboration for Mahanadi Basin, Ganga Basin, Godavari and Tapi basin were presented. The action plan for data requirement and inundation forecast for other basins were also presented.

Chairman CWC highlighted that a programmatic approach may be followed in the implementation of these initiatives across the identified basins and subsequent scaling up across other basins and states. It was desired that CWC field offices may co-ordinate with State Governments concerned to collect information related to the completed, ongoing, as well as proposed inundation modelling studies being undertaken at State Government level so that best practices and learnings could be utilised.

Chairman CWC stressed that CWC may take a lead role in frequent review of the works being done, and propose course correction wherever necessary, to ensure that the end product is as per the proposed functionality.

The need for setting up a professional Project Monitoring Unit (PMU) in order to effectively support the implementation and roll out of the flood inundation mapping in the identified basins was highlighted.

### **Progress Review Meetings on Flood Early Warning Systems**

Two meetings were held on 28th October 2024 under the chairmanship of Shri Rakesh Kumar Verma, Chairman, Central Water Commission (CWC), to review flood early warning systems in the Mahanadi, Godavari, and Tapi basins.

#### **Mahanadi Basin**

The first meeting reviewed the "Solution for Flood Early Warning System in Mahanadi Basin",

implemented by C-DAC. Senior officials from CWC, C-DAC, and field units attended.

The C-DAC team presented project progress, including software capabilities, data used, methodology, and results. Discussions focused on operational responsibilities, testing, O&M, and improving model performance. C-DAC was tasked to provide insights into similar international efforts (e.g., USA, Australia).

Key action points included defining responsibilities for operational phases, developing a beta launch timeline and dissemination plan, and planning for future expansion to other basins.

#### **Godavari and Tapi Basins**

The second meeting reviewed the "Spatial Flood Early Warning System" for these basins, developed by NRSC, Hyderabad, under the National Hydrology Project (NHP). Senior officials from CWC, NRSC, and field units attended.

The NRSC team presented progress, including model calibration, validation, and data limitations. Discussions emphasized improving model performance, operational clarity, and beta launch planning.

Key action points included submitting reports on model calibration and performance, providing user manuals, defining operational roles (testing, O&M, troubleshooting), and planning for future development in other basins.

Both meetings highlighted the importance of defined roles, actionable timelines, and collaboration to operationalize these critical flood management systems effectively.

### **9th & 10th Meeting to monitor the status of studies of CWPRS related to Comprehensive Flood Management Works on the River Jhelum & Tributaries Phase II**

The 9th & 10th meeting on the Comprehensive Flood Management Works for the River Jhelum & Tributaries was held on 09.10.2024 and 21.11.2024 respectively under the chairmanship of Member (RM), CWC. In first meeting, the



## Other Important Activities

CWPRS presented its model study report, highlighting a minor increase in flood levels at Asham but confirming safe levels at other stations. It was decided that CWPRS will conduct further studies to reduce the flood level at Asham by widening the FSC by 80m, with results due by 20.10.2024. A field visit and the next meeting were scheduled for after 20.10.2024 in Srinagar. Key decisions included finalizing FSC widening plans and conducting a field visit post-report submission.

During Second meeting, CWPRS officials presented the results of the 1-D model studies conducted for the Comprehensive Flood Management Work on the River Jhelum & Tributaries – Phase II, based on the latest input data as of 18th October 2024. The I&FCD J&K representatives discussed their field constraints. After a thorough discussion, the Member (RM) advised CWPRS to submit a revised report, taking into account the FSC offtake level as per the existing level.

### **Meeting with AECOM regarding Early Flood System including inundation forecasting in Ganga Basin under NHP**

A review meeting on the “Early Flood Warning System including Inundation Forecast in the Ganga Basin” was held on 4th November 2024 in the Committee Room, Sewa Bhawan, R.K. Puram, New Delhi, under the chairmanship of Shri Rakesh Kumar Verma, Chairman, CWC.

The senior members from the consultant and senior officials of CWC (HQ) and regional offices joined the meeting. The team from AECOM Consultant presented an overview of the project, detailing the work completed so far and the challenges encountered during implementation.

The team of AECOM also highlighted various issues related to running the inundation forecast model on a real-time basis (once or twice daily), the utilization of high-resolution DEM and the associated constraints of software and hardware. The Chairman advised AECOM to explore ways to improve the existing model's performance and present the proposed solutions.

### **Flood Early Warning Systems / Flood Inundation Studies in North Eastern Region by NESAC**

A meeting regarding Flood Early Warning Systems / Flood Inundation Studies in Northeastern Region under the chairmanship of Shri A.S. Goel, Member (RM) with the NESAC team was held on 4th October 2024.

Dr. S. P. Aggarwal (Director, NESAC) and Dr. Diganta Barman (Sr. Scientist/ Engineer – SF) attended the meeting from NESAC. The senior officials of CWC (HQ) and field units participated in the meeting.

NESAC team presented the flood early warning system developed for the State of Assam which provides flood alerts in revenue circle level with lead time ranging from 12-48 hours. The model limitation, issues, challenges and way forward for improvement the system was discussed in detail.

## **II. Inter-State Disputes**

### **Presentation on various Inter-State Issues**

A meeting was taken by Chairman, CWC on 29th October, 2024 regarding various inter-State issues. The meeting was attended by Member (WP&P), Member (D&R), CE (IMO), CE (PAO) and Director (ISM-1). CE (IMO) made a Power Point Presentation covering various points related with inter-State issues such as role of CWC with regard to inter-State disputes; existing inter-State River Water Disputes; inter-State issues dealt by CWC in recent past; appraisal of projects & inter-State issues arising therefrom; inter-State River issues related with distribution and management of water resources and inter-State River issues which are being dealt by the Wings / Organizations of CWC other than WP&P Wing.

During the presentation, the topics presented in the PPT were discussed by the Chairman with the officers present in the meeting. Chairman, CWC desired that pendency of projects in CWC due to non-resolution of inter-State aspects may be reviewed and such projects where matter is under adjudication in Tribunals / Courts, need to be sent back to the Project Authorities.

### III. PMKSY-AIBP and CAD&WM

#### Meeting for review of PMKSY Scheme

The review meeting of the PMKSY Scheme was held on 08.10.2024 in the committee room of DoWR RD&GR, Shram Shakti Bhawan, New Delhi. The meeting was chaired by Secretary, Department of Water Resources, River Development and Ganga Rejuvenation (DoWR, RD&GR).

In this meeting, a brief presentation on the current status, plan of action, and bottlenecks was presented by the Commissioner (SPR). The presentation was followed by detailed discussions on the data and issues flagged by authorities. The discussions held, and decisions taken thereof, are summarized below for PMKSY-AIBP projects.

1. During 2016-21, 46 PMKSY-AIBP projects completed and 22.76 lakh hectares irrigation potential was created through PMSKY-AIBP projects.
2. During 2021-26, a total outlay of Rs.23,918 Crore has been allocated, Rs.18,352 Crore for AIBP Rs.5,566 Crore for CADWM.
3. Ongoing projects have provision of central assistance Rs.2,476 Crore, Rs.5,784 Crore has been provisioned for new major and medium projects whereas Rs.9,292 Crore is for National Project.
4. 10 projects with eligible central assistance of Rs.3,900 Crore has already been included under PMKSY-AIBP, whereas six projects with eligible central assistance of Rs.6,900 Crore is in the pipeline for inclusion.
5. 16 more projects completed during 2021-24 making the number of completed projects 62 and balance projects 44. Out of balance 44 projects, 11 projects are in advanced stage of completion. These projects may complete by March 2025. Another 7 projects may complete during 2025-26. However, 12 projects are likely to go beyond FY 2025-26. Further, the Committee under Chairman, CWC has recommended for foreclosure of balance 14 projects.
6. The Chairperson desired to first have review of 11 advance stage projects with concerned

State Governments, then 14 projects recommended for foreclosure, then balance 19 projects.

The meeting was held in physical mode, this meeting was attended by Chairman, CWC, Additional Secretary, DoWR, RD&GR, ii) The Member (WP&P) CWC, iii) The Chief Engineer PMO, CWC and iv) Director, Mon-C Dte, PMO, CWC.

#### Review of 11 advance stage PMKSY-AIBP projects (along with their CADWM components)

The review meeting of the 11 advance stage PMKSY-AIBP projects (along with their CADWM components) ( Andhra Pradesh : 01; Karnataka : 01; Madhya Pradesh: 02; Maharashtra: 03; Manipur: 01; Odisha: 01; Tegalana:01 and Uttar Pradesh: 01) was held on 14.11.2024 under the chairmanship of the Secretary, Department of Water Resources, River Development and Ganga Rejuvenation (DoWR, RD&GR) to discuss the issues/bottlenecks (if any) with the Officers of States Government and Officers of CWC (HQ) and Officers of Field Unit of CWC.

In this meeting, the Secretary, DoWR, RD&GR, MoJS directed regional office, CWC to visit those projects, in which there is probabilities of spilling of the projects beyond March-2025 and submit a report for expeditious completion of AIBP and CADWM components of the project. On the basis of the field visit report another review meeting of these projects shall be held in January-2025. Regarding remaining projects, the Secretary, DoWR, RD&GR, MoJS directed the Project Authority to adhere the schedule targeted date of completion of the project as presented during the meeting.

The meeting was held in physical / hybrid mode, this meeting was attend by i) The Chairman, CWC, Addtl Secy, DoWR, RD & GR, ii) The Member (WP&P) CWC iii) The Chief Engineer PMO, CWC and iv) Director, Mon-C Dte, PMO, CWC.

Out of 11 projects, one project, namely, Thoubal Multipurpose Project (Manipur), dealt in Mon (E&W), was also discussed during the meeting. The issue of land acquisition for 1.95 hectare in respect of Heirock Branch Canal pending for a long time was brought to the notice by Secretary, WRD, Manipur, and briefed that project



## Other Important Activities

completion might extend beyond March 2025 i.e. up to June 2025.

The Chairperson also instructed to expedite land acquisition process of the project.

### **IV. Other Activities**

#### **Power point presentation on Integrated Reservoir Operations under NHP**

A progress review meeting for the Development of the Decision Support System (DSS) for Near Real-Time Integrated Reservoir Operation for the Ganga Basin was held on 17th October 2024 at the CWC Committee Room, Sewa Bhawan. The meeting was chaired by Shri Rakesh Kumar Verma, Chairman Central Water Commission (CWC).

Meeting began with a welcome address by the Chairman. Director FFM, then presented an overview of the project, which focuses on integrated reservoir operations in Ganga Basin. The presentation included key aspects of the DSS development followed by a live demonstration of the DSS dashboard.

The Director also informed that the second phase of testing for the DSS is currently underway. Some performance issues have been identified during testing and have been reported to the consultant for rectification. While the consultant has addressed some issues work is ongoing to resolve the remaining ones.

#### **Second Quarterly Dialogue for FY 2024-25**

The meeting was attended by the CE, C&SRO, CWC Coimbatore, the Director of CMDD Dte (E&NE) and his team, along with officials from CGWB and the Union Territory of Andaman and Nicobar Islands.

During the meeting, the following topics were discussed:

1. Sedimentation Studies of the Dhanikhari Reservoir.
2. Seepage Problems in two dams located in Little Andaman.
3. Construction of a Dam over the Kalpong River at Khudhampur, Diglipur.
4. DPR Preparation for the Guptapara Dam.

5. Vetting of Project Documents for the Korang Nalla Dam.
6. DPR Preparation for the Koila Nallah Project.
7. DPR Preparation for the Flat Bay Lake Project.
8. Capacity Building for APWD officials in the Water Resources Sector.



#### **MoU between Central Water Commission and Uttarakhand Project Development & Construction Corporation Ltd.**



On 10.10.2024, an MoU was signed between the Central Water Commission (CWC) and Uttarakhand Project Development & Construction Corporation (UPDCC) Ltd. at CWC headquarters in New Delhi. Through this MoU, CWC has agreed to provide review design consultancy services for the construction of the Song Dam to UPDCC.

The Song Dam project includes a 130.6-meter-high concrete gravity dam on the Song River, located on the border of Dehradun and Tehri Garhwal districts near the village of Sondhana, approximately 10 kilometers upstream of Maldevta and 25 kilometers from Dehradun, the capital of Uttarakhand. This drinking water project aims to fulfill the domestic water demand of Dehradun city and its surrounding areas.

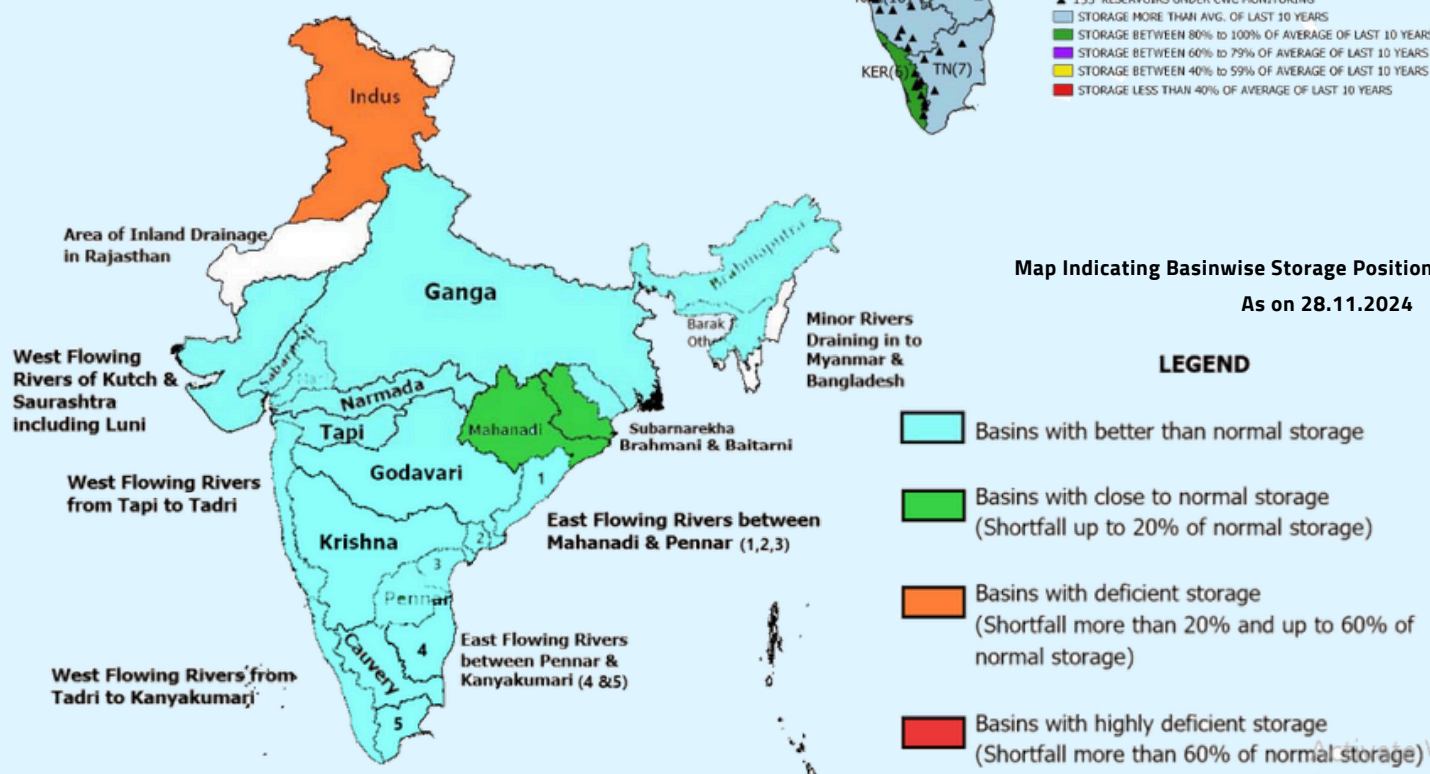
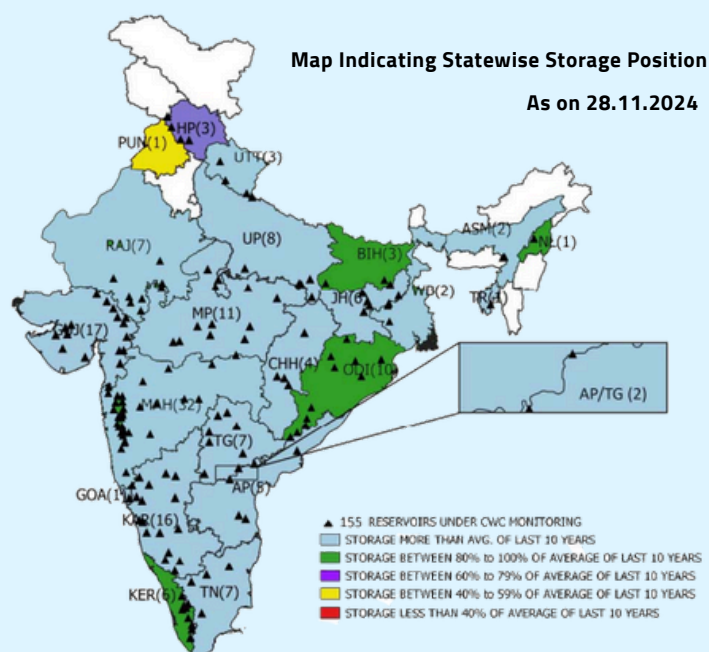
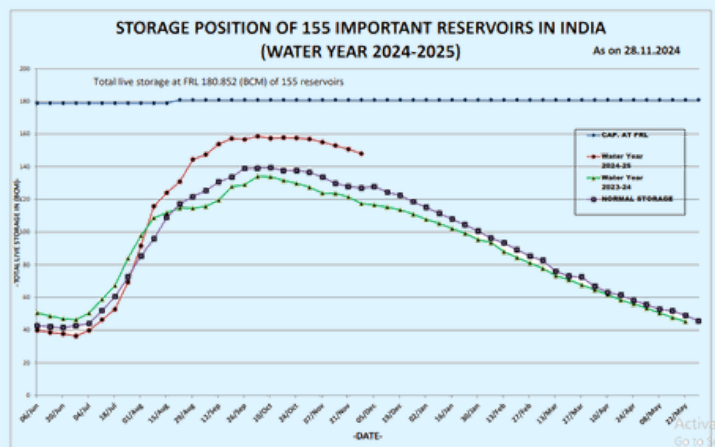
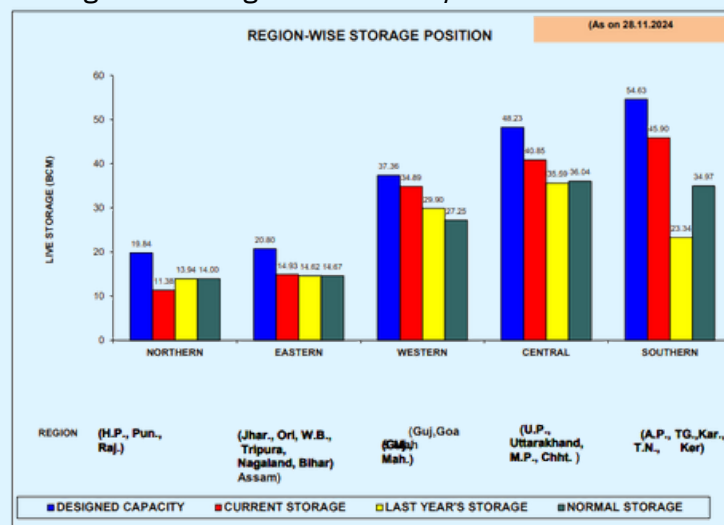
The MoU was signed by the Director, CMDD (E&NE), CWC, and the General Manager, Project Implementation Unit (PIU), Song, UPDCC Ltd., Uttarakhand, in the presence of Sh. Bhopal Singh, Member (D&R), CWC, DoWR, RD & GR, Ministry of Jal Shakti.

## 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 28.11.2024, live storage available in these reservoirs is 147.943 BCM, which is 82% of total live storage capacity of these reservoirs. However, last year the live storage available in these reservoirs for the corresponding period was 117.4 BCM and average of last 10 years live storage was 126.916 BCM. Thus, the live storage

available in 155 reservoirs as per 28.11.2024 Bulletin is 126% of the live storage of corresponding period of last year and 117% of storage of average of last ten years.





## Gallery



A workshop was organised on 17th October 2024 at the Central Water Commission(CWC), New Delhi, by the Smart Water Resources Modelling Organization (Centre of Excellence), CWC. The workshop was a collaborative effort between CWC and Denmark, focusing on key areas such as GLOF Model Studies, Flood Forecasting and Inundation Modeling, and Extended Hydrological Prediction (EHP) with the effect of Climate Change.



नर्मदा बेसिन संगठन , भोपाल के अधीनस्थ उपमंडल मध्य नर्मदा उपमंडल इंदौर -3 द्वारा आज दिनांक 28/10/2024 को सतर्कता जागरूकता सप्ताह (28 अक्टूबर से 3 नवंबर 2024) के अंतर्गत ग्राम दुधिया में कार्यक्रम का आयोजन किया गया ।



## Gallery



9th Meeting of National Committee on Dam Safety (NCDS) was held under the chairmanship of Shri Rakesh Kumar Verma, Chairman, CWC on 7th Nov., 2024 to discuss the draft standard operating Procedure (SoP) prepared for comprehensive Dam Safety Evaluation.



A national-level workshop on "Integrated Flood Risk Management" has been conducted on 26th November, 2024 at the Auditorium of Kaushal Bhawan, New Moti Bagh, New Delhi by Central Water Commission (CWC), Department of Water Resources, River Development & Ganga Rejuvenation, Ministry of Jal Shakti. Ms. Debashree Mukherjee, Secretary, Ministry of Jal Shakti, Department of Water Resources, RD & GR, presided over the event.



### 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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