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# JALANSH

THE MONTHLY NEWSLETTER OF CENTRAL WATER COMMISSION

Shri Kushvinder Vohra
Chairman, CWC

## Message

During last month, CWC made significant achievement in respect of consultancy for new projects, trainings, engagement with other countries, GLOF related activities, and other technical studies.

CWC signed two Memorandum of Understanding (MoUs): one with the Surat Municipal Corporation (SMC, Gujarat, to provide design consultancy for the construction of a conventional Barrage across River Tapi. The other MoU was with the Uttarakhand Project Development & Construction Corporation (UPDCC) Ltd., Uttarakhand to provide review design consultancy work for the construction of the Jamrani Dam Multipurpose Project. This project involves the construction of a 150.6-meter high concrete gravity dam on the Gola River in the Nainital district of Uttarakhand.

We also held the second and third meetings of the India-Japan Sub Group/Joint Implementation Group (JIG) this month. India and Japan inked a Memorandum of Cooperation in the field of Water Resources in Dec 2019 and a Joint Working Group (JWG) has been constituted.

In 2016, under Pradhan Mantri Krishi Sinchayee Yojana - Accelerated Irrigation Benefit Programme (PMKSY-AIBP), 99 major and medium irrigation projects (and 7 phases) were included for implementation. Out of 99 total 58 projects (including phases) has been reported to be completed and 48 (including phases) are still on-going. These projects were reviewed comprehensively in a series of meetings by a committee constituted under my Chairmanship. The committee has submitted the report elaborating issues/ bottlenecks of the projects, likely time period for completion and measures for timely completion of the on-going PMKSY-AIBP & CADWM projects. This shall help in taking decision regarding continuation of their funding.

Glacial Lake Outburst Floods (GLOFs) pose a significant and growing threat in regions with glaciers and high-altitude lakes. At present CWC is monitoring 902 Glacial Lakes /Water Bodies (GLs/WBs). A vision document on role of Central Water Commission (CWC) for Glacial Lake Monitoring (GLM) and Glacial Lake Outburst Floods (GLOFs) was prepared during the month. The role of CWC in this area and works to be taken up in phased manner has been identified. It is proposed to monitor about 2400 GLs by June, 2025. This shall supplement the efforts of various stakeholders in this field.

A comprehensive two-day training program for the fifth and sixth batches of CWC officers commenced on 28.05.2024 at the National Water Academy (NWA), Pune with focus on the "Analysis of Quality of Water-Quality Data." Primary objective of the training is to equip officers from both the Engineering and Scientific Cadres of the CWC with essential insights necessary with respect to quality aspects.

A team of 4 officers from Central Water Commission attended 2024 ADCP Regatta at Troyes, France. The event was organized to compare the performance of Acoustic Doppler Current Profiler (ADCP) and other discharge measurement techniques. The Indian team successfully completed the exercise with help of 1 Sontek M9 ADCP; one cup type (vertical axis) current meter and one Pigmy current meter.

Initiative was taken by CWC to organise a free health check-up event on 20.05.2024 for its employees followed by lecture/presentation sessions. A Talk on health management by Cardiologist and Ophthalmologist of Fortis Escorts heart Institute was delivered. Presentations were also delivered by Manager, SBI on Financial Management and on Cyber Awareness by Cyber Expert from SBI.

The 5th meeting of the 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 was also held under my chairmanship. The output of model was reviewed and decisions were taken regarding way forward to address the bank erosion issues.

CWC is working on various other important studies which are likely to be completed by July-August, 2024 which shall be helpful to various stakeholders in the water sector.

# CONTENT



# MEETINGS WITH FOREIGN DELEGATION

## Meeting with OKI Electric Industries Co. Ltd. (Japan)

Representatives from OKI Electric Industries Co. Ltd. (Japan) led by Mr. Kei Kato, which is involved in various communication devices and automatic level recorders met Sh. Kushvinder Vohra, Chairman, Central Water Commission and Ex-Officio Secretary to the Govt of India on 10.05.2024. The Meeting was attended by other concerned officers from CWC (HQ), New Delhi.

OKI representatives presented their solutions related to water level monitoring and ground movement sensors. Chairman, CWC also explained the technology being used by CWC in Hydrological observations and data collection systems. Detailed deliberations and discussions were held thereafter in respect of new technologies in this area.

## Second and third meeting of India-Japan Sub Group/Joint Implementation Group (JIG)

In December 2019, India and Japan inked a Memorandum of Cooperation in the field of Water Resources leading to the formation of a Joint Working Group (JWG) and a Sub Group for regular interactions. The 2nd and 3rd meetings of the India-Japan Sub Group/Joint Implementation Group (JIG) were held virtually on May 15 and May 27, 2024, respectively.

The 2nd meeting, hosted by the Indian side, was led by Sh. Padma Dorje, Chief Engineer, CWC, Department of Water Resources (DoWR), Ministry of Jal Shakti (MoJS). JIG members from both countries attended the meeting. The Japanese side was led by Mr. Takahiro Konami,

# MEETINGS WITH FOREIGN DELEGATION

Nodal Officer of the Sub Group and Member Secretary of the JWG.

The 3rd meeting, held on May 27, 2024, focused on "Land Subsidence and Counter Measures." During the meeting, the Indian side made a presentation on India's experience with land subsidence assessment studies in three cities: Mohali-Chandigarh, Delhi-Gurugram (NCR), and Mehsana (Gujarat). This presentation was given by Mr. Satish Kumar, Member (Headquarters) of the Central Ground Water Board (CGWB), who is also a member of the JIG.

The Japanese side presented their experience with land subsidence in Tokyo, including causes and countermeasures. They also discussed Japan's groundwater monitoring arrangements in Tokyo and the provisions of the Industrial Water Use Law of 1956 and the Building Water Use Law of 1962.

Additionally, the Japanese side showcased findings from the Japan International Cooperation Agency (JICA) project on land subsidence in Jakarta, Indonesia, highlighting countermeasures taken under the Japan-Indonesia cooperation activity.

# MEETINGS REGARDING PROJECTS

## Polavaram Irrigation Project

Polavaram Irrigation Project (National Project) is being executed on River Godavari near Ramayyapeta village of Polavaram Mandal, West Godavari District, Andhra Pradesh. This multipurpose major project envisages construction of an earth cum rockfill (ECRF) dam along with saddle earth dams, a spillway, irrigation tunnels, navigation tunnel and channel and two main canals on both flanks to create ultimate irrigation potential of 4.36 Lakh Ha. The project also envisages generation of 960 MW of hydropower, drinking water supply to 540 villages and diversion of 84.7 thousand million cubic feet (TMC) of water (including losses) to Krishna basin.

The fourth meeting of the Committee constituted for evaluating and recommending International technical experts to be hired for Polavaram Irrigation Project (PIP), was held on 13.05.2024 in hybrid mode under the chairpersonship of Shri Sanjay Kumar Sibal, Member (D&R), Central Water Commission (CWC), and Co-Chairmanship of Chief Executive Officer (CEO), Polavaram Project Authority (PPA) at Sewa Bhawan, New Delhi.

Further, a meeting to review the status of Polavaram Irrigation Project (PIP) was held on 21.05.2024 under chairmanship of Secretary, DoWR, RD &GR, which was attended by SPR Wing and officers from Central Water Commission & Polavaram Project Authority (PPA).

Discussions were held on issues of Status of details to be provided by PPA reg. excess payments, Status of hiring of consultant and agency and Shifting of office of PPA.

## Lakhwar Multipurpose Project, Uttarakhand

Shri Sanjay Kumar Sibal, Member (D&R) chaired the meeting to discuss various issues related to the Lakhwar Multipurpose Project held on 14.05.2024 at CWC (HQ), Sewa Bhawan, New Delhi. The meeting was attended by officers from CWC, UJVNL, GSI, L&T and members of the Geological Group of Experts (GGEs).

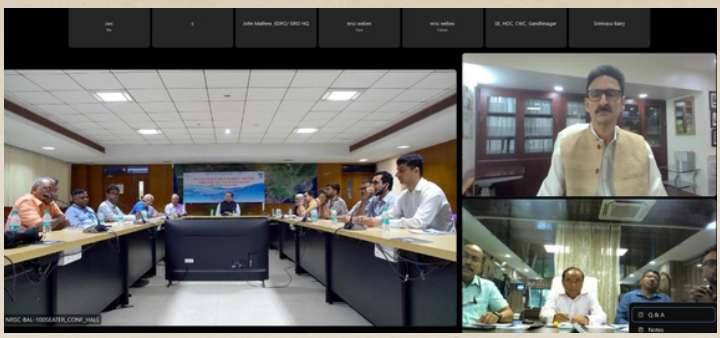
# VISIT OF SITES/PROJECTS

## Khetri Copper Complex Tailing Dam, Khetri, Rajasthan

A memorandum of understating has been signed between Central Water Commission (CWC) and Hindustan Copper Limited (HCL) for providing the design consultancy for carrying out design and preparations of construction stage drawings for raising the height of Tailing Dam at Khetri Copper Complex from EL. 406 m to EL. 413 m.

A team of officers from the Central Water Commission and Hindustan Copper Limited conducted a joint site visit on 03.05.2024 to assess the feasibility of raising the height of the tailing dam from its current elevation of EL. 406 meters to EL. 413 meters. The purpose of this visit was to gather essential information and evaluate the existing conditions of the dam to provide design consultancy for the proposed height increase.

## Spatial Flood Early Warning System for Godavari and Tapi river basins



Shri Kushvinder Vohra, Chairman, Central Water Commission (CWC) & Ex-Officio Secretary to the Government of India, addressed the inaugural session of 5 Days training program from 06-10 May 2024 on "Spatial Flood Early Warning System for Godavari and Tapi river basins" being organised by NRSC, Hyderabad as chief guest. The participants from CWC, NRSC, ISRO, State Government of Meghalaya, Andhra Pradesh, Maharashtra attended the session.

Chairman, CWC in his address highlighted that flood early warning system plays a very significant role in efficient and proactive Disaster Management. He informed about the initiatives of inundation modelling recently taken up by CWC. He also emphasised on the need of modeling in new challenging areas such as Glacial Lake Outburst Flood (GLOF), Urban Flooding etc. He further mentioned that the training shall help the concerned officer to learn the real time operation of the system and learn the technical know-how of the inundation models and shall be very useful in long run while we expand inundation forecasts in other basins.

## ADCP regatta at Troyes, France

A team of 4 officers from Central Water Commission namely Shri Ankit Dudeja, EE; Shri Nishant Kumar, EE; Shri Vipul Kumar Verma, AEE and Shri Bharat, AD-II attended 2024 ADCP Regatta at Troyes, France.

The event is being organized since 2013 to compare the performance of ADCP and other discharge measurement techniques. This year, the event was organized by EPTB Grands Lacs de Seine and Groupe Doppler Hydrométrie of France. The inter-laboratory comparison event was held on May 22 and May 23, 2024 in the commune of Mesnil Saint-Père, near Troyes, downstream from Lake Orient. Discharge observations were done in varying conditions of discharge like velocity, depth, cross-section and volume using different techniques like: mobile ADCP, stationary ADCP, current meters (any type) on wading rods, and by tracer dilution (salt, Rhodamine, Uranine).

For the Regatta, a total of 50 segments were prepared by the organizers on the "Canal De Morge". Teams from different countries were assigned segments and each team collected discharge using their instrument 12 times (transects).

The Indian team successfully completed the exercise with help of 1 Sontek M9 ADCP; one cup type (vertical axis) current meter and one Pigmy current meter. The instruments were carried from India to demonstrate the Hydrological equipment and instruments along with methods being followed in India. The Indian team also participated in hydrometric observations using other methods like chemical tracer dilution method, motor and remote operated ADCP etc.

The discharge results obtained through ADCP, current meter and other methods have been shared with the organizers for detailed result comparison and uncertainty analysis.

# I. Floods and Related Matters

## Flood Situation in the country - May 2024

Regular Flood Forecasting Activity commenced on 01.05.2023 in Brahmaputra and Barak and Jhelum basins. During the period from 1st May to 31st May 2024, total 55 (53 level + 2 Inflow) flood forecasts were issued, and 48 (47 Level+ 1Inflow) forecasts were within permissible limit with 87.27 % accuracy. No Red Bulletin (for Extreme flood situation) and 28 no of Orange Bulletin (for severe flood situation) were issued during the month of May from Central Flood Control Room.

During the period 22nd May 2024 to 29th May 2024, Severe Cyclonic Storm "Remal" crossed West Bengal and Bangladesh. Special Advisories were issued during the period for Kerala, Assam, Arunachal Pradesh and Tripura.

### Summary of Flood Situation during 01.05.2023 to 31.05.2024

### Extreme Flood Situation

No FF station observed in Extreme Flood Situation during this period.

No flood monitoring station observed Extreme flood situation.

### Severe Flood Situation

5 FF Stations observed Severe Flood Situation in Assam.

11 monitoring station observed Severe Flood Situation in Assam, Manipur, Kerala and Tripura.

### Above Normal Flood Situation

8 FF Stations in Assam, West Bengal and Sikkim observed Above Normal Flood Situation.

### Reservoirs having Inflow above threshold limit

1 reservoir received inflows above their threshold limit in Tamilnadu.


## The 3rd Meeting of the Committee for Joint Flood Management Study in wake of the Extensive Floods in the State of Himachal Pradesh, Punjab and Uttarakhand in 2023

Shri Kushvinder Vohra, Chairman, Central Water Commission & Ex-Officio Secretary to the Government of India held third meeting of the committee for joint flood management study in wake of the extensive floods in the States of Himachal Pradesh, Punjab and Uttarakhand in 2023 on 14th May, 2024.

The meeting was attended by officials from CWC, DoWR, RD & GR, State of Himachal Pradesh, Punjab & Uttarakhand, CWPRS, IMD, NRSC, NWIC, SJVNL, HPPCL, SDMA of HP & Uttarakhand, Jal Shakti Vibhag of HP, etc. During the course of meeting, progress made so far and issues related to integration of hydrological data of all organisations, opening of new HO sites in the States, development of rule curves of Pong and Bhakra dams were discussed in detail. Chairman, CWC mentioned that works on most of TORs have been completed and report of the committee shall be finalised shortly.

## II. Inter-State Disputes

### Pennaiyar River Water Dispute


The 4th meeting of the Negotiation Committee on Pennaiyar River Water Dispute was convened on 22.05.2024 under the Chairmanship of Shri Kushvinder Vohra, Chairman, Central Water Commission and Ex-officio Secretary to the Government of India. The meeting was held through Video Conferencing (VC) and representatives from the four co-basin States of Karnataka, Tamil Nadu, Andhra Pradesh and Union Territory of Puducherry, Ministry of Environment & Climate Change, NIH Roorkee and CGWB participated in the meeting. Besides, Member (WP&P); Chief Engineer, IMO as Member Secretary; Chief Engineer, HSO; Chief Engineer, C&SRO; Director, (Hydrology-S) and Director, ISM-1 Directorate from Central Water Commission participated in the meeting.

Representatives from the co-basin States and other members of the Committee presented their views before the Committee on the issue of Pennaiyar River Water Dispute. After deliberation, decisions taken in the meeting include CGWB and C&SRO, CWC to analyze the data, tentative program of field visit, sharing of State's data with co-basin States and to furnish further requisite data/information within 2-3 days by the State of Tamil Nadu and Karnataka.

## III. Other Activities

### MoU between CWC and SMC and UPDCCL

Two Memorandum of Understanding (MoU) were signed on 15th May, 2024 in the presence of Sh. Kushvinder Vohra, Chairman, CWC & Ex-Officio Secretary to the Government of India.

First MoU was signed between Central Water Commission (CWC) and Surat Municipal Corporation (SMC), Gujarat to provide Review design consultancy work by CWC to SMC for the construction of conventional Barrage across River Tapi. Director, BCD (NW&S), CWC and Dy. Municipal Commissioner, SMC, Gujarat signed this MoU.

Second MoU was signed between Central Water Commission (CWC) and Uttarakhand Project Development & Construction Corporation (UPDCC) Ltd., Uttarakhand to provide review design consultancy work for the construction of the Jamrani Dam Multipurpose Project to UPDCC for the construction of Jamrani Drinking Water Multi-Purpose Project involving a 150.6 m high concrete gravity dam at Gola River in Nainital district of Uttarakhand for irrigation, power and drinking water. Director, CMDD (E&NE), CWC and General Manager, Project Implementation Unit (PIU), Jamrani UPDCC Ltd., Uttarakhand signed this MoU.

Surat Municipal Corporation's project aims to conserve excess water from the Weir-cum-Causeway at Singanpor, address the long-term water supply needs of Surat City and its environs, tidal silting and pollution in the Tapi River–downstream of Weir-cum-Causeway and counteract salinity intrusion into nearby areas such as Adajan, Athwa, and Umara. Additionally, the project is designed to facilitate groundwater recharge and improve groundwater quality through the creation of a sweet water reservoir. With the signing of current MoU, CWC has agreed to provide review design consultancy work for the construction of the Barrage and its apparent structure.

Jamrani Dam is a multipurpose project with provisions of providing additional irrigation in 57065 ha area of four districts falling in Uttarakhand and Uttar Pradesh; providing 42.70 MCM drinking water annually assessed for projected population of 10.65 lacs of Haldwani town projected for the year 2051 and generation of 63.4 MU of hydroelectricity annually by installation of a 14 MW dam toe hydropower plant. The project has got approval under PMKSY-AIBP by Cabinet Committee on Economic Affairs, GoI in Oct 2022.

## Modification of NCSDP guidelines of CWC for assessment of Seismic design parameters

Shri Sanjay Kumar Sibal, Member (D&R) chaired the meeting regarding "Proposed modifications of NCSDP guidelines of CWC for assessment of site-specific seismic design parameters" on 08.05.2024 in his chamber. The meeting was attended by the officers from the design units and FE&SA directorate. Various modifications proposed for NCSDP guideline were discussed and finalized.

## Fifth Meeting of the Committee constituted for conducting a joint detailed technical study to formulate an integrated plan to combat the threat of erosion posed by Ganga-Padma River


Shri Kushvinder Vohra, Chairman, Central Water Commission & Ex-Officio Secretary to the Government of India held 5th meeting of the 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 on 16th May 2024 in hybrid mode.

Officers from DoWR, RD & GR, GFCC, FBP, CWPRS, NRSC, IWAI, Govt of Bihar, Jharkhand, West Bengal and CWC attended the meeting.

The 1D & 2D models developed by the consultant as per the direction of the committee were reviewed. After discussing various issues Chairman, CWC desired that team of officers from CWC, CWPRS, Consultant and State Governments may discuss the left over issues within a week. He directed that the under construction bridge downstream of Farakka Barrage may also be incorporated in the model for which Govt of WB will help the consultant by providing requisite data. Thereafter the committee would make a field visit to finalise the report early.

## Discussion on progress of the Irrigation Performance Assessment System, supported by the World Bank

On 10.05.2024, a hybrid meeting was chaired by the Secretary, DoWR, MoJS to discuss the progress of the Irrigation Performance Assessment System, supported by the World Bank. Senior officers from DoWR, RD&GR including Chairman, CWC and Ex-officio Secretary to the GoI, participated in the meeting along with World Bank team and representatives from the states. Sh. Padma Dorje Gyamba, Chief Engineer (POMIO), CWC made a presentation on timelines for generic tool and scheme-level assessment. Prof. Poolad Karimi, World Bank provided a detailed overview of the tool's comprehensive view of irrigation and crop performance, functionality, data sources, and key indicators.

Chairman, CWC emphasized the importance of accurate scoring, field verification, and collaboration with states to ensure the reliability of the assessment. Commissioner SPR highlighted the interconnected nature of the indicators and the need for a comprehensive approach. Secretary, DoWR, MoJS suggested streamlining the number of indicators and collaborating with the Secretary of Agriculture to enhance the tool's effectiveness.

## Water Body Monitoring App

The Water Body Monitoring App, developed by Green Good Labs (GGL), alongside Space Applications Centre (SAC), ISRO Ahmedabad's contributions, is designed to revolutionize water management through accurate and timely data collection. The app monitors approximately 5000 major and 2.4 million overall water bodies, providing surface area data on a 7 to 12-day frequency. Meanwhile, the Water Bodies Information System (WBIS) portal by the National Remote Sensing Centre (NRSC)

monitors around 1.6 million water bodies (0.25 hectares and above), emphasizing water spread areas of 1 hectare and above.

Shri Kushvinder Vohra Chairman, Central Water Commission & Ex-Officio Secretary to the Government of India held a meeting on 21.05.2024 to review the apps for Monitoring of Water Bodies through remote sensing.

Presentations were made by GreenGood Labs and Space Applications Centre (SAC), ISRO regarding the analysis of 10 reservoirs through their app for Water Bodies monitoring through remote sensing. The reports of SAC (ISRO) and GreenGood Labs were deliberated in the meeting in detail.

Chairman, CWC appreciated the efforts made by SAC and GreenGood Labs for development of these apps. He further emphasized to incorporate suitable decision support system with capturing of specific volume of water in water body which will help the stakeholders including panchayats, municipalities, farmer groups and project managers in better management of valuable water resources. He further suggested that efforts should be made to generate Area-Capacity-Elevation curves for water bodies with historical data and use of Artificial Intelligence (AI) and Machine Learning (ML) through app to make it more useful.

Further, Chairman, CWC highlighted the need for continuous research in evolving technologies in the field of water resources and highlighted that collaboration between agencies will ensure better management of water resources in the country.

## 2nd Meeting of the Task Force on Long Term Financial & Technical Sustainability of ICID

The International Commission on Irrigation and Drainage (ICID) Est. in 1950 is a leading scientific, technical, and professional not-for-profit international organization working in the field of irrigation, drainage, and flood management to the promote and achieve sustainable agriculture water management. Indian National Committee on Irrigation and Drainage (INCID), housed in Central Water Commission, is India's representative National Committee for ICID. Chairman, CWC is the Chairman of INCID with CE (EMO), CWC as its Member-Secretary, and Remote Sensing Directorate, CWC serving as INCID secretariat.

The Task Force on Long Term Financial & Technical Sustainability of ICID (TF-T&FS) was set up vide resolution IEC-1/74 during the 74th International Executive Council (IEC) meeting held in Vizag, India on 8th November 2023 for ensuring Long Term Financial and Technical sustainability.

Chairman, CWC/INCID, attended the 2nd Meeting of the Task Force on Long Term Financial & Technical Sustainability of ICID (TF-T&FS) held on 14th May 2024. During the meetings, discussions were made on examining income and expenditure vulnerabilities, proposing new income models, and reviewing the financial structure of ICID-branded events, including evaluating registration fees, organizer obligations, sponsorship payments, and risk management. The agenda also covered ICID's revenue share from events, reviewing the duration of annual IEC events for financial impact, revising membership fee calculation methods, and enhancing the membership structure to include private sector players. Additionally, it aimed to increase ICID's technical value for members by expanding the scope of subjects and technological dialogue areas.

## Strengthening Climate Change Adaptation in the Himalayas (SCA-Himalayas)– Draft Glacio-Hydrological Modelling Framework

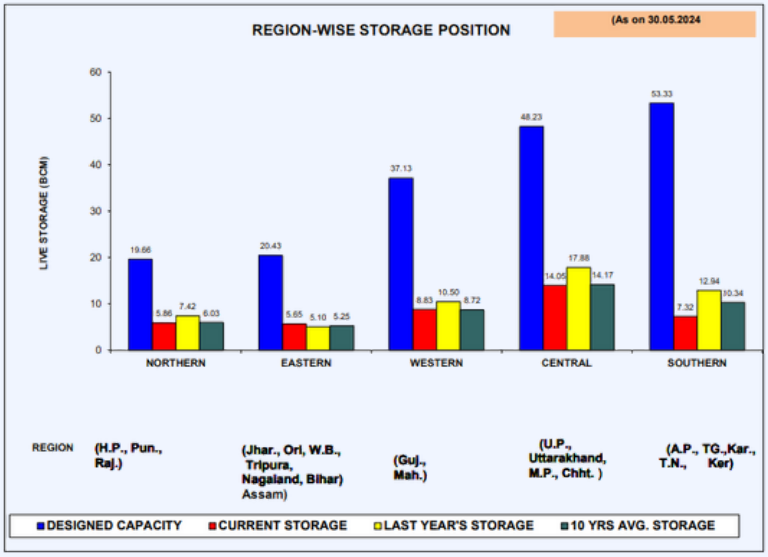
The Swiss Agency for Development and Cooperation (SDC) in India is supporting the implementation of climate change adaptation initiatives in the Indian Himalayan Region through the project "Strengthening Climate Change Adaptation in Himalayas (SCA-Himalayas)." This India-Switzerland collaboration aims to enhance the capacities of relevant State Government departments and promote climate actions that benefit local communities. The project is being implemented in partnership with the Ministry of Environment, Forest and Climate Change (MoEF&CC), National Disaster Management Authority (NDMA), NITI Aayog, Department of Science and Technology (DST), and the State governments.

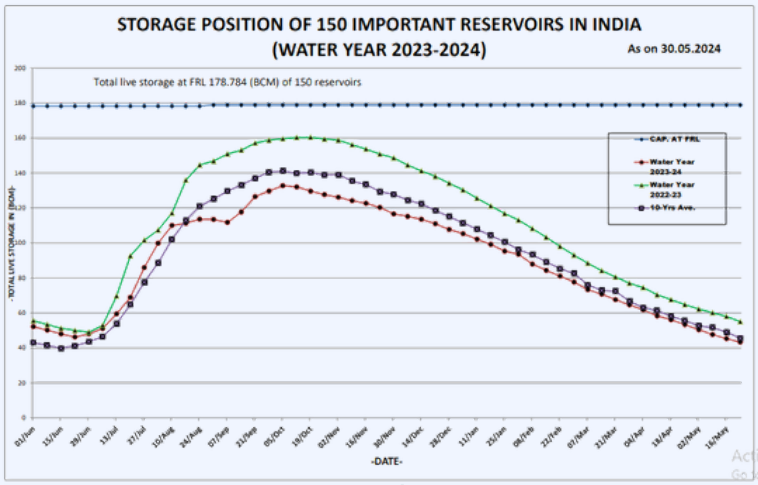
As part of this project, a draft framework on glacio-hydrological modeling has been developed. On 03.05.2024, a meeting was chaired by the Chairman of the Central Water Commission (CWC) to discuss the "Framework for Assessing the Impact of Climate Change on the Water Cycle in Both Glacierized and Non-Glacierized Regions of India". During the meeting, findings from a study conducted by the Hydrology (NE) Directorate on the Subansiri sub-basin were presented. Chairman, CWC directed that SCA-Himalayas team be consulted to provide necessary guidance on this trial study to the CWC.

## IV. Reservoir Monitoring

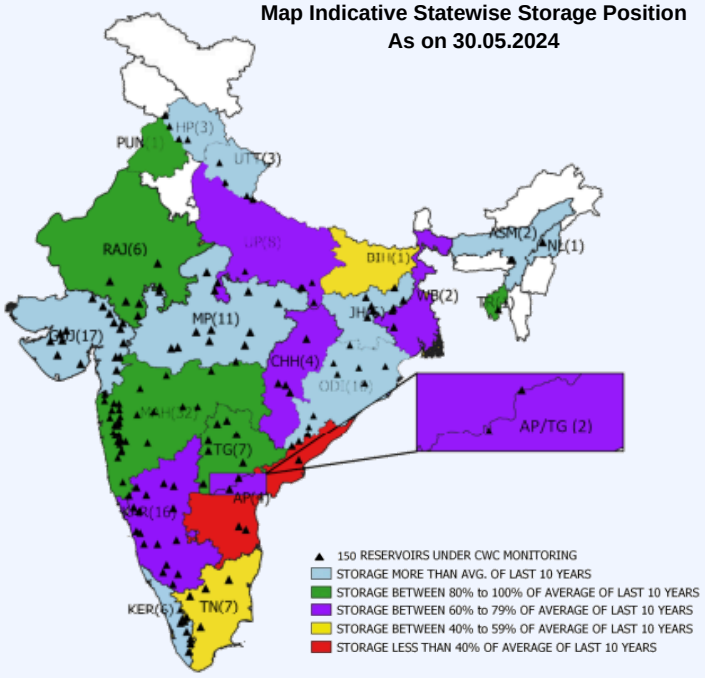
CWC is monitoring live storage status of 150 reservoirs of the country on weekly basis and is issuing weekly bulletin on every Thursday. Out of these reservoirs, 20 reservoirs are of hydro-electric projects having total live storage capacity of 35.299 BCM. The total live storage capacity of these 150 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 30.05.2024, live storage available in these reservoirs is 41.705 BCM, which is 23% of total live storage capacity of these reservoirs. However, last year the live storage available in these reservoirs for the corresponding period was 53.832 BCM and the average of last 10 years live storage was 44.511 BCM. Thus, the live storage available in 150 reservoirs as per 30.05.2024 Bulletin is 77 % of the live storage of corresponding period of last year and 94% of storage of average of last ten years.

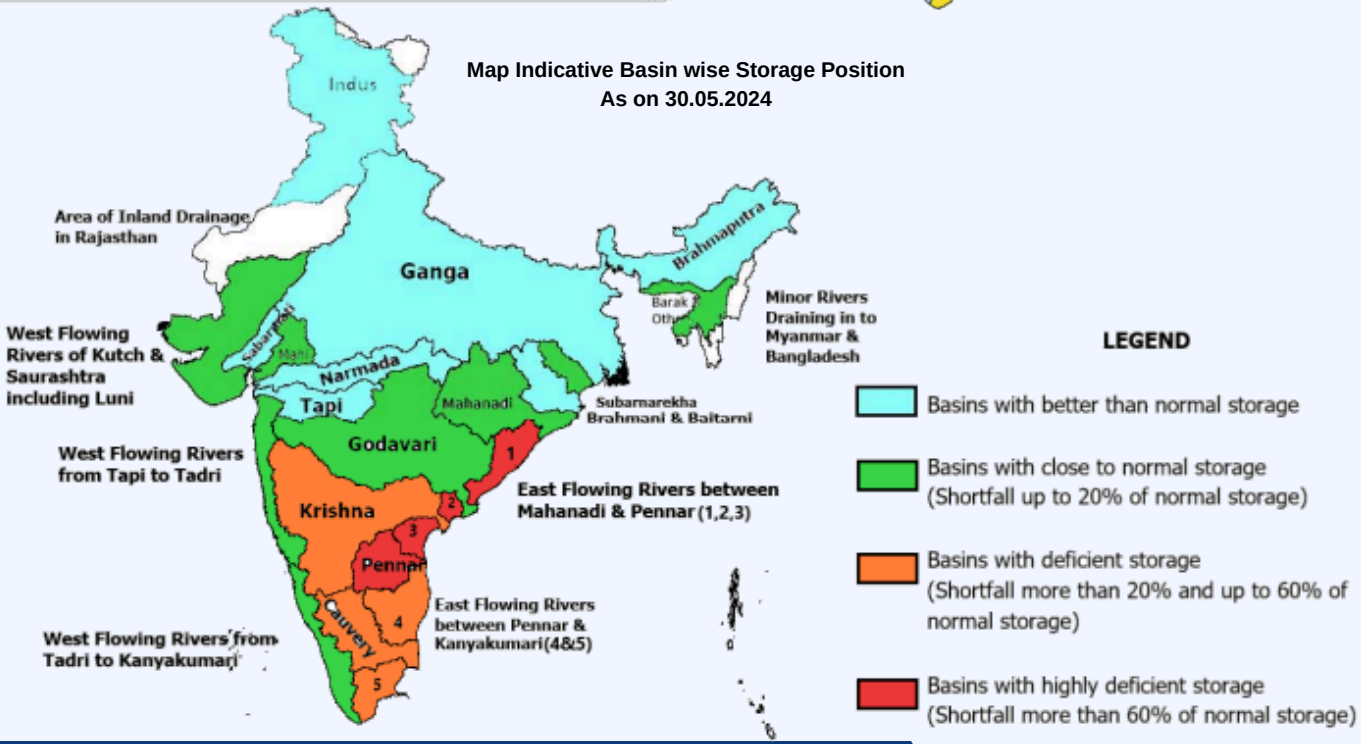



**Map Indicative Statewise Storage Position**
**As on 30.05.2024**




**Map Indicative Basin wise Storage Position**
**As on 30.05.2024**



माही तापी बेसिन संगठन, केन्द्रीय जल आयोग, गांधीनगर को कार्यालय श्रेणी में नराकास राजभाषा शील्ड, वर्ष 2023-24 का द्वितीय स्थान का पुरस्कार प्राप्त हुआ है। नराकास की पत्रिका "गांधीनगरी" के पहले अंक में प्रकाशित सर्वश्रेष्ठ आलेख श्रेणी में "नदी-जोड़ योजना की आवश्यकता"- आलेख के लिए श्री दत्त कुमार सोपान चासकर, मुख्य अभियंता को प्रथम पुरस्कार प्राप्त हुआ।




1st Quarterly Dialogue for 2024-25 with the States and Stakeholders.

*To forecast floods and relay timely information to local administrations, the Central Water Commission held meetings with the concerned states and stakeholders before the onset of the monsoon to coordinate flood preparedness.*





**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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