

HIGHLIGHTS

- Lakhwar Project
- Mahadayi Water Dispute
- Meetings/Visits
- Project Approval
- Kerala Flood
- Flood Situation in Country
- Reservoir Storage Monitoring
- Foreign Visit
- Gallery
- A Tribute from Water Sector



Message

S. Masood Husain
Chairman, CWC

During the month of August, 2018 the Mahadayi Water Disputes Tribunal submitted its report and decision to the Ministry of Water Resources, River Development and Ganga Rejuvenation. While noting that the present level of utilisation of waters of Mahadayi river basin is not more than 5% of the water availability at 75% dependability, the Hon'ble Tribunal permitted the party States to undertake specific activities as detailed under clause-VIII of the award. The Tribunal has also come up with various recommendations like setting up of Mahadayi Water Management Authority, etc.

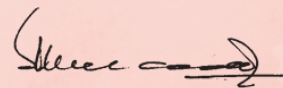
An important breakthrough was achieved in the Lakhwar Multipurpose project, one of

the 16 identified National Projects of the Ministry. Under this, an MoU was signed between the six party States and the MoWR, RD&GR on 28.08.2018. CWC has already completed the appraisal of the project DPR. Design units from CWC would provide consultancy services during the execution of the project.

Three major irrigation/multipurpose projects from Maharashtra and four flood control schemes from Bihar, with a cumulative cost of Rs. 11,798.43 crore, were accepted by the Advisory Committee in its 137th meeting on 28.8.18 under the chairmanship of Secretary, MoWR, RD&GR.

CWC has been improving its appraisal process and a revised 'Guidelines' were issued in the year 2017 in this direction. In pursuance to these 'Guidelines', CWC has completed the appraisal process for some of the projects within five months. In addition, an online system (e-PAMS) for the same, with the goal of improving efficiency and transparency, is going to be launched shortly after carrying out necessary checks.

This is the 2nd edition of the monthly newsletter of CWC and calls for your valuable feedback for its continual enhancement and effective communication within CWC and with other stakeholders.



IN FOCUS

MoU signed for the Lakhwar Project



Projects cleared by Advisory Committee of Ministry of Water Resources, RD & GR in last 3 months

Cost Approved- Rs. 96546 Crore

Beneficiary States/UTs 6

Irrigation Projects 5

Flood Control Projects 8

Lakhwar Multipurpose Project



MoU signing ceremony held on 28.08.2018 for the Lakhwar Multipurpose Project

On 28.08.2018, Shri Nitin Gadkari, the Hon'ble Minister of WR, RD&GR, signed an MoU with the Chief Ministers of Uttarakhand, Uttar Pradesh, Himachal Pradesh, Rajasthan, Haryana and Delhi for the construction of Lakhwar Multipurpose Project, one of the 16 identified National Projects, on the river Yamuna, near Dehradun.

Initially, approved in 1976, the Lakhwar project was suspended in the year 1992. The project envisages the construction of a 204 meter high concrete dam, with a live storage capacity of 330.66 MCM, across the river Yamuna near Lohari village, in Dehradun district of Uttarakhand. The storage is meant to provide irrigation for 33,780 hectares of land, along with domestic and industrial use in the five states and the UT. The project is to be executed by M/s Uttarakhand Jal Vidyut Nigam Limited (UJVNL).

Out of the total project cost of Rs. 3966.51 crore, Rs. 1388.28 crore, which accounts for the power component for the project, will be borne completely by the Uttarakhand government. Only the Uttarakhand government will receive the benefit of the total power generation from the project. Out of the remaining cost of Rs. 2578.23 crore, which accounts for

| | |
|-------------------------|--|
| Project on River | Yamuna |
| Location | Village/Tehsil: Lohari, District-Dehradun (Uttarakhand) |
| Project Benefits | Power- 300 MW Annual Electricity Generation - 572.54 Million Units Irrigation potential - 33780 Ha Drinking & Industrial Water- 78.83 MCM |
| Type of Dam | Concrete Dam |
| Live Storage | 330.66 MCM |
| Length of Dam | 481.5 M |
| Height of Dam | 204 M |
| Estimated Cost | Rs. 3966.51 crore (price level - 2012) |

the irrigation and domestic-use components, 90% will be borne by the Centre (Rs. 2320.41 crore) and 10% will be divided among the party states in ratio of Yamuna water allocation to them.

CWC has already completed the appraisal of the project DPR. Design units from CWC would provide consultancy services during the execution of the project.

Mahadayi Disputes Water Tribunal



MWDT submitting report-cum-decision to the Hon'ble Minister

The Mahadayi Water Disputes Tribunal was constituted in November, 2010 under the provisions of the ISRWD Act, 1956 for adjudication of water disputes among party States i.e. Goa, Karnataka and Maharashtra in respect of Mahadayi basin. Justice J.M. Panchal, Chairman, Mahadayi Water Disputes Tribunal has submitted Tribunal's report under section 5(2) of the said Act to the Government of India on 14.08.2018. The report is being studied by the concerned offices of Govt. of India and party States for seeking clarification /guidance of Tribunal under Section 5(3) of the said Act.

As per the report submitted by the Tribunal, the total Mahadayi river basin area of 2032 sq km is shared by the three States as: 375 sq km in Karnataka, 77 sq km in Maharashtra and the rest in Goa. The Tribunal has also determined the water availability of the Mahadayi river basin at 75% dependability as 5327.5 MCM (188.06 TMC). It has also found that the present level of water utilization from the Mahadayi basin is not even 5% of the available water.

The water availability and allowed consumptive utilization as per the report is summarized in table below.

The Tribunal grants permission to the State of Goa to plan for utilization of 24 TMC of water, which is over and above the existing utilization of 9.395 TMC.

The report also states the Centre shall constitute an authority, called the 'Mahadayi Water Management Authority' to implement the report and final decision of the Tribunal.

The award and final decision may be reviewed or revised by a competent authority or a tribunal any time after 31st August 2048.

The Tribunal was assisted by assessors, namely Shri M.E. Haque (former Member, CWC) and Shri S.P. Kakran (former Chairman, CWC).

| Party States | Catchment Area (Sq. Km) | Water Availability at 75% Dependability (TMC) | Allowed Consumptive Utilization (TMC) |
|------------------|-------------------------|---|---------------------------------------|
| Goa | 1580 | Not Available | 33.395 |
| Karnataka | 375 | 32.11 | 5.40 |
| Maharashtra | 77 | 7.21 | 1.33 |
| Basin as a whole | 2032 | 188.06 | 40.125 |

Meetings/Visits



Shri Rajiv Pratap Rudy, Chairperson, Parliamentary Standing Committee on Water Resources along with other Members of PSC and officers of Central Water Commission during Aug, 2018 at Kalimpong, West Bengal



Sh. Arjun Ram Meghwal, Hon'ble Minister of State (WR, RD&GR) reviewing the activities of Cauvery & Southern Rivers Organisation (C&SRO), CWC, Coimbatore on 30.08.2018



Sh. Arjun Ram Meghwal, Hon'ble Minister of State (WR, RD&GR) reviewing the ongoing project and related activities of Mahanadi and Eastern Rivers Organization (M&ERO), CWC, Bhubaneswar on 29.08.2018



Sh. U.P. Singh, Secretary (MoWR, RD&GR) at tree plantation event at UGBO Campus, CWC, Lucknow held on 14.08.2018



Sh. U.P. Singh, Secretary (MoWR, RD&GR) taking Review Meeting at UGBO, CWC, Lucknow on 14.08.2018

Project Approval

The Advisory Committee of the Ministry of Water Resources, River Development and Ganga Rejuvenation has accepted three major irrigation/multipurpose projects of Maharashtra and four flood control projects of Bihar with a cumulative cost of **Rs 11,798.43** crore in its meeting held in Central Water Commission, New Delhi on 28th Aug, 2018. Meeting was chaired by Sh. U. P. Singh, Secretary (WR, RD&GR). The accepted projects are summarized as under.

| Sl. No. | Project Name | State | Category | Benefitted Area/Districts | Benefits | Cost (Rs. Cr.) |
|---------|---|-------------|------------------|---|--|----------------|
| 1 | Revised Cost Estimate (RCE) of Jigaon Irrigation Project | Maharashtra | Major Irrigation | Buldhana & Akola | CCA-84240 Ha Drinking Water-12.95 MCM | 7764.39 |
| 2 | Lower Tapi Project | Maharashtra | Major Irrigation | Jalgaon & Dhule | CCA-25657 Ha Drinking Water-36 MCM | 2751.05 |
| 3 | Jihe Kathapur Lift Irrigation Project | Maharashtra | Major Irrigation | Satara | CCA-35540 Ha | 1061.34 |
| 4 | Anti -erosion work in between Km 28.00 to 35.00 Km of P.P. Embankment and Chandrapur Retire Line | Bihar | Flood Control | Kushi Nagar (UP) and West Champaran (Bihar) | Area Protected 792000 Ha & population 149198 | 49.15 |
| 5 | Raising and strengthening Jaaua Dilli Diwanganj Mahananda left embankment from km. 13.25 to km 34.07 with turning platform at the interval of 3 km with service road on the top | Bihar | Flood Control | Katihar | Area Protected 40180 Ha & population 200000 | 81.77 |
| 6 | Raising and strengthening of Nagarpara embankment between 0.00 km to 13.110 km and after raising and strengthening construction of service road on above length of the embankment | Bihar | Flood Control | Bhagalpur | Area Protected 4500 Ha & population 200000 | 46.59 |
| 7 | Flood protection work of SML, ESML, Raising, Strengthening of Panchi Right embankment, Dagmara- Rajpur Embankment and Km 15.00 to 18.213 of WKE (Below Bharada) | Bihar | Flood Control | Supaul and Madhubani | Area Protected 10500 Ha & population 500000 | 44.14 |



Sh. U. P. Singh, Secretary (WR, RD&GR) chairing the Advisory Committee meeting

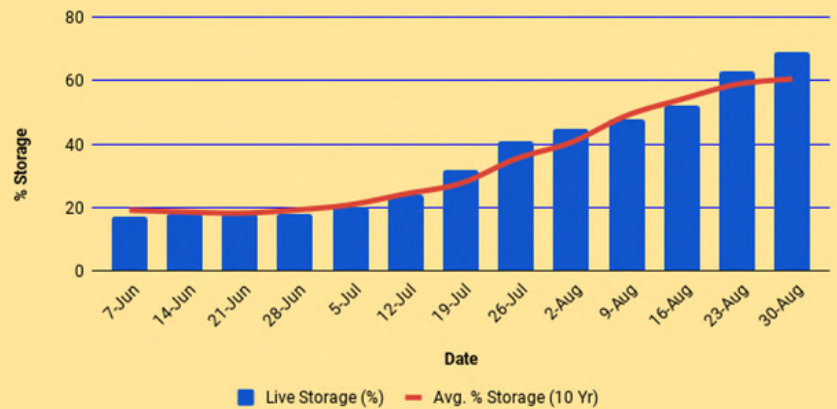
Reservoir Storage Monitoring

CWC is monitoring live storage statuses of 91 representative reservoirs around the nation on a weekly basis, and is issuing a weekly bulletin every Thursday. The total live storage capacity of these 91 reservoirs is 161.993 BCM, which is about 63% of the live storage capacity of 257.812 BCM which is estimated to have been created in the country.

As per the reservoir storage bulletin, dated 30.08.2018, the live storage available in these reservoirs is 112.083 BCM, which is 69% of the total live storage capacity of these reservoirs. This is 132% of the live storage of the corresponding period during last year, and 114% of the average storage over the last ten years.

Status of Reservoir Storage since June-2018

(Total Storage Monitored by CWC-161.993 BCM)



Foreign Visits



Indian team in Japan for study related to Dam Seismic Hazards & Safety issues and discussion with Director General, Japan Water Agency



The 115th meeting of the India-Pakistan Permanent Indus Commission (PIC) was held in Lahore, Pakistan from August 29-30, 2018. The 10 member Indian delegation for the PIC meeting was led by Shri P K Saxena, the Indian Commissioner for Indus Waters.



The 69th Meeting of the IEC (International Executive Council) and Council Meetings of Work Bodies for ICID was held in Saskatoon, Canada. Sh. K. Vohra, Commissioner (SPR), MoWR, RD&GR, Sh. Anuj Kanwal, Member-Secretary (INCSW), and Sh. S.L. Meena, Director (Finance), CWC participated in the event.

During the event, Indian delegation also promoted 9th International Micro-Irrigation Conference to be organised by CWC-INCSW at Aurangabad in 2019



Sh. S.K. Halder, Chief Engineer, CWC (in middle) accompanied by officers from MoWR, RD&GR and CGWB during their participation in World Water Week. The World Water Week, one of the annual featured events in Water Sector globally started on 26th August, 2018 in Stockholm, Sweden. On similar lines, India Water Week is lined up in coming months.

Gallery



Sh. Arjun Ram Meghwal, Hon'ble MoS (WR, RD&GR), Sh. Nitin Gadkari, Hon'ble Minister (WR, RD&GR), Sh. U.P Singh, Secretary (WR, RD&GR), Sh. M. K. Srinivas, DG, NWDA, Sh. S.M. Husain, Chairman, CWC (R to L) during 32nd AGM for NWDA and 15th Meeting of Special Committee for Interlinking of Rivers on 20.8.18



The third Meeting of Cauvery Water Regulation Committee (CWRC) was held on 9th August, 2018 at CWC, New Delhi under the chairmanship of Sh. Navin Kumar, Chief Engineer (IMO), CWC



CWC Officers visiting Dhukwan SHEP (24MW) on Betwa River



Technical Co-ordination Committee for Punatsangchhu-I & II HEP's met on 23-8-18 at New Delhi. Meeting was Co-chaired by Member(D&R), CWC



Officers and staff taking oath on Sadbhawna Diwas at CWC, New Delhi on 20.08.2018

A tribute from the Water Sector



Former Prime Minister Shri Atal Bihari Vajpayee passed away on 16th August, 2018. The water sector saw some important developments during his tenure, from 1998-2004.

The National Water Policy was adopted for the first time in the year 1987. In the year 1998, an update was felt in it to cope with the changed scenario. After subsequent consultations, it was revised and adopted by the National Water Resources Council, chaired by the Hon'ble Prime Minister of India in the 5th meeting held on 1st April 2002. Further, a vision for Integrated Water Resources Development and Management was released by the Hon'ble Prime Minister during the 12th National Conference of Water Resources and Irrigation ministers, held on 5th February 2003 at New Delhi. MoU signing with China for sharing hydrological data and setting up of Joint Project Office for projects in Nepal were also completed during his tenure.

A task force for the interlinking of rivers was set up by the MoWR to identify major links which were to be implemented on a priority basis, under the chairmanship of Shri Suresh Prabhu. This paved the way for river interlinking projects in India. Several DPRs for those projects have been approved and are ready implementation.

Published By:
Water Systems Engineering Directorate
Central Water Commission
 2nd Floor(South), Sewa Bhawan,
 R K Puram, New Delhi-110 066
 E-mail: media-cwc@gov.in



Central Water Commission
 An attached office of Ministry Of Water Resources,
 River Development and Ganga Rejuvenation,
 Govt. of India



CWC.GOV.IN



CWCOfficial.GoI



CWCOfficial_GoI



CWCOfficial.GoI