

No. 12/09/2018-CWMAS/27-35

# **Cauvery Water Management Authority**

## **Secretariat**

*Office : Office of Chief Engineer, Yamuna Basin Organisation, CWC,  
Kalindi Bhawan, B-5, Tara Crescent Road, Qutub Institutional Area, N. Delhi 110016.*

Dated 4<sup>th</sup> July, 2018

**Subject : Minutes of First Meeting of Cauvery Water Management Authority (CWMA) held on 2<sup>nd</sup> July, 2018, at New Delhi.**

Please find enclosed herewith the Minutes of the First Meeting of Cauvery Water Management Authority, held on 2<sup>nd</sup> July, 2018, at Central Water Commission, New Delhi.

**Enclosure : as above (36 pages)**

*(A.S.Goel)* 04/07/18

Secretary, CWMA

Tele-fax : 011-26526865

Email: [ceybo-cwc@nic.in](mailto:ceybo-cwc@nic.in)

To:

1. Sh. S.Masood Husain, Chairman CWMA/ CWC. [chairman-cwc@nic.in](mailto:chairman-cwc@nic.in)
2. Sh. Navin Kumar, Chief Engineer, IMO, CWC/ Member (WR), CWMA,  
[ceimo-cwc@nic.in](mailto:ceimo-cwc@nic.in)
3. Sh. Sanjay Kundu, Joint Secretary (RD&PP), Min. of WR, RD & GR. [jspp-mowr@nic.in](mailto:jspp-mowr@nic.in)
4. Dr. S.K. Malhotra, Commissioner (Agriculture), M/o A&FW. [ag.comm@nic.in](mailto:ag.comm@nic.in)
5. Dr. B. Kishore, Jt Secretary (RFS), D/o Agriculture, Coop and Farmers' Welfare.  
[jsrfs-agri@gov.in](mailto:jsrfs-agri@gov.in)
6. Shri Rakesh Singh, Principal Secretary, WRD, Govt. of Karnataka.
7. Smt. Tinku Biswal, Secretary, WRD, Govt. of Kerala. [secywrld@gmail.com](mailto:secywrld@gmail.com)
8. Sh. A. Anbarasu, Development Comm-cum-Secretary (Public Works), Government of Puducherry. [dc.pon@nic.in](mailto:dc.pon@nic.in)
9. Sh. S.K. Prabakar, Principal Secretary, Public Works Deptt., Govt. of Tamil Nadu  
[pwdsec@tn.gov.in](mailto:pwdsec@tn.gov.in)

**MINUTES OF 1<sup>ST</sup> MEETING OF THE CAUVERY WATER  
MANAGEMENT AUTHORITY HELD ON 2.7.2018**

First meeting of Cauvery Water Management Authority (CWMA) was held on 2<sup>nd</sup> July, 2018 at 1100 Hrs. at Sewa Bhawan, Central Water Commission (CWC), New Delhi. The list of participants is at **Annex-I**.

The Chairman welcomed the participants, and in his opening remarks, outlined the long history of the dispute among the States regarding the sharing of Cauvery waters. He further expressed the hope that with CWMA in place, a new era of cooperation would begin in Cauvery basin.

The Principal Secretary (WR), Govt. of Karnataka, read out his opening remarks, copy of which is at **Annex-II**. The key issues therein included his assertion that he was attending the meeting without prejudice to the rights of Karnataka to question the Constitutional validity of notification dated 1<sup>st</sup> June, 2018. He expressed his reservations against imposition of providing a pre-designed scheme of regulations at 10-daily period, and sought adequate consideration of ground realities in distress years. The Principal Secretary (WR), Karnataka, also conveyed the reservations of Karnataka against posting of CWMA representatives at the eight reservoirs in Cauvery basin, including four in Karnataka.

The Principal Secretary (PWD), Govt. of Tamil Nadu, in his opening remarks, copy of which is at **Annex-III**, conveyed the expectation of the State Government that CWMA would implement its mandate, by regulating and monitoring 10-daily flows at designated locations. He also requested the Authority to ensure that Karnataka releases the entire allocated quantity of water to Tamil Nadu, which along with unutilized waters of Kerala in the Kabini sub-basin, would be of immense help to the farmers of Tamil Nadu. He also expressed hope that the CWMA would meet at least once a month, and if needed, more frequently and at short notice.

In her opening remarks, the Secretary (WR), Govt. of Kerala, also supported the contention of Govt. of Karnataka against posting of representatives of CWMA at reservoir level. She further said that the Orders of the Tribunal clearly allow the party States to utilize and regulate within their boundaries the use of water in a manner not inconsistent with the order of the Tribunal. Hence, she asserted, that utilization of unutilized flows needs to be considered only within that context and only after Kerala assesses and reports the quantum of its unutilized flows. She also desired that other party States should be forbidden from adopting an obstructionist approach towards projects proposed to be developed by any given party State to utilize the quantum of water allotted to it by the Tribunal.

Secretary (PWD), Govt. of UT of Puducherry, at the outset, expressed the hope that since the Cauvery issue had moved from negotiations to implementation of the Supreme Court Orders, CWMA would ensure that the party states get their due share. He further emphasised that Karaikal region of Puducherry is in most disadvantageous position in the Cauvery basin, being at the tail end, and a direct conveyance system is not there for Cauvery waters to reach territory of Puducherry. He further desired deploying of manpower by CWC for measuring inflow of water at the 7 entry points in Kariakal region.

Thereafter, the agenda items were taken up. Govt. of Karnataka had provided its written submissions on each of the agenda items (**Annex-IV**), which were also taken up by its representative with the respective agenda item.

#### **Agenda Item 1.1 : Issues needing immediate attention:**

**1.1.1 Strategy for Framing of Rules of Business:** The Members were briefed that a broad outline has already been provided for in the Gazette Notification of 1<sup>st</sup> June, 2018, based on which detailed Rules of Business for CWMA are to be framed. After deliberations, it was decided that the Secretary, CWMA would circulate a draft within 10 days and the Members may submit their observations/ suggestions on the same

within 7 days thereafter, which would also be shared with all other Members. The same would then be taken up in the next meeting of CWMA.

It was also decided that the mode of communication for all information/ documents by Secretariat of CWMA shall be three fold – by email, mobile and contact with local office of the Member States, as per details provided during the meeting (Details at Annex-V).

**Action : Secretary, CWMA**

**1.1.2 Strategy for Organization Structure and Service Rules:** Action similar to Rules of Business discussed above, was decided for this agenda item also.

The issue of posting of CWMA representative at each of the 8 reservoirs was also discussed. Representatives of Karnataka and Kerala opposed the move, and felt that firstly this would amount to infringement on the rights of the State Governments concerned, and secondly the State Government Officials are as reliable and responsible as CWMA representatives. However, it was clarified that as per Gazette Notification of CWMA and Cauvery Water Regulatory Committee (CWRC) of 1<sup>st</sup> June, 2018, Para 18.(d), provision of Authority's representatives at each of the reservoirs is stipulated. However, it was decided that posting of CWMA Officials at the eight reservoirs be deferred for the time being.

**(Action: Secretary, CWMA)**

**1.1.3 Funding and Accounting Arrangements:** It was decided that after the concurrence of the scheme by the Union Cabinet, Secretary, CWMA, with the help of Finance Wing of Ministry of Water Resources, River Development & Ganga Rejuvenation (MoWR, RD & GR) would take appropriate action for creation of head of account, contribution of the initial funds of Rs. 2 Crore by Central Government, and formulation of system of expenditure and accounting. Thereafter, the States may also contribute their share as stipulated in the Gazette Notification of 1<sup>st</sup> June, 2018.

**(Action: Secretary, CWMA)**

**1.1.4. Requirement of office space/furniture/computers/other infrastructure and vehicles etc.** Regarding Office space, it was suggested that Secretary may approach Directorate of Estates, GoI through MoWR,RD&GR, for a suitable office accommodation in Delhi. Further, a proposal for other requirements such as PS/ PA, Vehicles, Drivers etc. for the various full time officials of CWMA, was circulated (Details at **Annex-VI**). It was decided that the Secretary may further work out details of the proposal in consultation with MoWR,RD&GR which may then be considered in the next meeting of CWMA.

**(Action: Secretary,CWMA)**

**1.1.5 Directions to the Regulation Committee:**

**1.1.5.1-4** It was felt that the CWMA as well as CWRC should immediately take up the issue of regulating the Cauvery waters, in accordance with the Cauvery Water Disputes Tribunal (CWDT) award, as modified by the Supreme Court. It was emphasised that for this ,there were certain pre-requisites which inter-alia include supply of timely and appropriate data and information (regarding storage levels in reservoir, cropping pattern, yield, rainfall, and projected requirement of water for irrigation for the next month on 10-daily basis), by the Member States from time to time. It was felt that proper format in which data would be required to be provided by the participating States from time to time may be decided during the current meeting. However, after detailed deliberations, it was decided that CWRC may evolve the formats in its forthcoming meeting scheduled shortly for consideration by the Authority.

**(Action: Member Secretary (CWRC))**

**1.1.5.5** It was noted by all the members of the Authority that the rainfall in the catchment area of Cauvery basin of Karnataka and Kerala during the month of June, 2018 was more than normal and there were no indications of distress in any part of the basin till the date of meeting.

**1.1.5.6** It was also noticed that as per para 10.(3)(vii) of Gazette Notifications indents are to be placed by each State for supplies at each reservoir site, on 10-daily basis. However, the indents have not been received by the Authority. It was also noted that

even if indents are provided, in the absence of data on cropping pattern, area to be irrigated, crop details, and duty etc., it may not be possible to assess the actual water requirements. It was decided by the Authority that CWRC, being a technical body, may take up these technical issues, and the outcome may be reported to the Authority.

However, Govt of Tamil Nadu submitted that since the rainfall in the catchment area of Cauvery basin of Karnataka and Kerala during the month of June, 2018 was more than normal, Karnataka may be directed to release their stipulated quantity of water for the month of July at Billigundulu, as farmers in Cauvery delta are eagerly awaiting water for commencing cultivation of their crops.

Puducherry informed that during the months of June to September, hardly any water is realised at the seven entry points from Tamil Nadu. Puducherry called for putting in place a lasting mechanism in order to ensure proportional share of water realised by Puducherry vis-à-vis the water realised by Tamil Nadu at Billigundulu and the inflows into Lower Bhavani & Amaravati Dams.

Govt of Karnataka submitted that the actual realisation of water at Billigundulu till 27<sup>th</sup> June, 2018 was 11.855 TMC (Thousand Million Cubic Feet), which was more than the stipulated 8.27 TMC, as stipulated in the CWDT award, as modified by Supreme Court.

It was unanimously agreed that the monthly quantum of water to be ensured at the Billigundulu site of CWC in a normal year in light of the Hon'ble Supreme Court Order dated 16.02.2018 would be as per **Annex-VII**. The monthly quantum of water to be ensured at Biligundulu for the month of June and July in a normal year is 9.19 and 31.24 TMC respectively. It was also noted that the cumulative water received at Billigundulu during June, 2018 was 13.29 TMC which was 4.10 TMC more than the stipulated quantity in a normal year.

After detailed discussions, the Authority directed Karnataka to ensure the balance quantity for the month of July, 2018 at Billigundulu ie. 27.14 TMC (31.24 -

4.10), after adjusting the excess quantity of water amounting to 4.10 TMC realised by Tamil Nadu at Billigundulu in the month of June, 2018, subject to assessment and recommendation by the Regulation Committee. The Authority also decided that in respect of the water to be released to Puducherry, the existing arrangement between Puducherry and Tamil Nadu would continue. Regarding the monthly break up of 7 TMC of water in respect of Puducherry as confirmed by the Hon'ble Supreme Court the details would be discussed further in the meeting(s) of the CWMA.

**(Action: Govt. of Karnataka/Member Secretary,CWRC)**

**1.2 Strategy for setting up communication network for hydrological conditions:** It was decided that CWC may be requested to prepare a proposal in this regard, which may then be circulated to the Members for consideration by the Authority.

**(Action: Secretary, CWMA)**

**1.3 Any other item with the permission of the Chair.**

**1.3.1 Additional Agenda Items by Govt. of Tamil Nadu:**

The Member from Govt. of Tamil Nadu vide letter dated 29.6.2018 addressed to Secretary, CWMA had requested for inclusion of additional agenda items mentioned below:

- a. The unutilized flow of (Kabini) Kerala has to be supplied to Tamil Nadu at Billigundulu, which may be ensured by CWMA & CWRC.
- b. Unauthorised diversion should not be allowed.
- c. Area under minor irrigation should be monitored.

Since the above agenda items could not be circulated prior to the meeting the Chairman decided to defer discussions on the same till the next meeting.

The meeting ended with a vote of thanks to the Chair.

\*\*\*

**1<sup>ST</sup> MEETING OF  
THE CAUVERY WATER MANAGEMENT AUTHORITY  
HELD ON 2.7.2018**

**LIST OF PARTICIPANTS**

1. Shri S. Masood Husain, Chairman, CWC & Chairman, CWMA.
2. Shri Rakesh Singh, Principal Secretary (WRD), Government of Karnataka.
3. Shri S. K. Prabakar, Principal Secretary, PWD, Govt. of Tamilnadu.
4. Ms. Tinku Biswal, Secretary WRD, Government of Kerala.
5. Shri A. Ambarasu, Secretary PWD, Government of Puducherry.
6. Shri Navin Kumar, Chief Engineer CWC, & Member (WR), CWMA.
7. Shri Sanjay Kundu, Joint Secretary (RD & PP), MoWR, RD & GR, Govt. of India.
8. Dr. B. Kishore, Joint Secretary (Rainfed Farming System), Department of Agriculture  
Cooperation and Farmers' Welfare, Govt. of India.
9. Shri A. S. Goel, Chief Engineer, CWC, & Secretary, CWMA.

\*\*\*\*



**OPENING SPEECH BY SRI RAKESH SINGH, PRINCIPAL SECRETARY, WATER RESOURCES DEPARTMENT, GOVERNMENT OF KARNATAKA AND MEMBER, CAUVERY WATER MANAGEMENT AUTHORITY IN THE FIRST MEETING ON 02.07.2018, AT NEW DELHI.**

My Greetings to the Chairman and Members of Cauvery Water Management Authority attending the First Meeting of the Authority after the notification of the Scheme to give effect to the decision of the Cauvery Water Disputes Tribunal as modified by the Hon'ble Supreme Court vide its Order, dated the 16<sup>th</sup> February, 2018. The Scheme framed by the Central Government which was notified on 01.06.2018.

At the outset, I submit that I am attending this meeting without prejudice to the rights of the State of Karnataka to question the constitution validity of the notification dated 1<sup>st</sup> June 2018 issued by the Central Government purportedly under Sec. 6A of the Inter-State River Water Disputes Act, 1956.

The first item of the Agenda relates to the Rules of Business. It is needless to emphasise that the Rules of Business of the CWMA should have the nexus with the objective sought to be achieved i.e., implementation of the decision of the Tribunal as modified by the judgment of the Supreme Court. In this regard, the Rules of Business shall prescribe the methodology of supply of information or data by the party-States and procedure for filing of complaint by the aggrieved

States and decision on the same by the CWMA after holding an investigation on the correctness of the complaint. With regard to the procedure for taking decision by the CWMA, it is advisable that efforts are made to reach a decision by consensus. However, if the consensus does not emerge, then the matter be left to the decision of the Chairman of the CWMA. In fact, this was the procedure followed by the Cauvery River Authority constituted vide Notification dated 11.8.1998 for implementing the interim order of the Tribunal. The limitation and constraints on the manner of utilisation of water in Karnataka (after meeting the requisite quantity at the Inter-State border Biligundlu) would indisputably curtail the powers of the State to regulate its allocations within its boundaries as provided for by the Final Order of the Tribunal pursuant to the Clause XVIII which is as follows:

*"Nothing in the order of this Tribunal shall impair the right or power or authority of any State to regulate within its boundaries the use of water, or to enjoy the benefit of waters within that State in a manner not inconsistent with the order of this Tribunal".*

The flows in Cauvery river basin would be varying in time and space along the breadth and length at different sections of the catchment. One cannot expect the flows being available at a certain level of assurance within intra and inter-years to evolve a pre-determined regulation system every year. There should not be any imposition by providing a pre-designed scheme of regulations at 10-daily period to be adopted in any

year. In normal years, the State of Karnataka has ensured the flows at Biligundlu in accordance with final orders of the CWDT. The problem would arise in case of distress years when the flows are below normal. It has been repeatedly presented in the meetings of the Cauvery Supervisory Committee that the State of Karnataka has only the advantage of South-west monsoon whereas, the State of Tamil Nadu has the advantage of both South-west and North-east monsoons. In addition, the State of Tamil Nadu has the advantage of ever dependable ground water in the Cauvery Delta. Therefore, as has been repeatedly pleaded by the State of Karnataka, on several occasions, the ground realities should be considered in the determination of distress.

It is mentioned that the CWMA would finalise on the posting of the "representatives at the eight reservoirs in the Cauvery Basin" which includes four reservoirs in Karnataka namely Hemavathy, Harangi, Kabini and Krishnarajasagara. The legality of this is highly doubtful. The powers, functions and duties of the CWMA as defined in para 10 of the Notification dated 01.06.2018 do not provide for nomination of representatives at the reservoir level. There is no obligation cast on the State Governments to entertain a permanent representative of the CWMA at the reservoir level. Moreover, there is no need for such permanent representatives at each reservoir site. The Authority shall not intercede in the

management of storages and withdrawals for various uses by the party States.

I may also invite attention to the provisions of Sub.Sec.7 of Sec.6A of the Act of 1956. The said sub-section 7 reads as follows:

*"Every scheme and every regulation made under a scheme shall be laid, as soon as may be after it is made before each House of Parliament, while it is in session for a total period of thirty days which may be comprised in one session or in two or more successive sessions, and if, before the expiry of the session immediately following the session or the successive sessions aforesaid, both Houses agree in making any modification in the scheme or the regulation of both Houses agree in making any modification in the scheme or the regulation of both Houses agree that the scheme or the regulation should not be made, the scheme or the regulation shall thereafter have effect only in such modified form or be of no effect, as the case may be; so, however, that any such modification or annulment shall be without prejudice to the validity of anything previously done under that scheme or regulation."* (emphasis supplied).

I am sure, the Central Government would discharge its responsibilities as mandated by provisions of Sub-Sec.7 of Section 6A of the Inter-State River Water Disputes Act, 1956. The scheme framed vide Notification dated 1<sup>st</sup> June 2018, I am advised to state, is a provisional Scheme subject to the approval or modification by the Parliament.

So far, commencing from the 1<sup>st</sup> of June upto 30.06.2018, the flows at the four reservoirs of Karnataka were normal which was 76.047 tmc. With the available flow data at Biligundlu G&D Station of Central Water Commission upto 27.06.2018, the flow

realised was 11.855 tmc at Biligundlu as against the stipulated flow of 8.27 tmc as per the award of the Tribunal as modified by the Supreme Court vide order dated 16.02.2018; the excess being 3.59 tmc. I hope and trust that the flows in the remaining months of the year would turn out to be normal and the farmers of the party States may not face any hardships. The State of Karnataka has submitted its submissions on each item of the Agenda. The same may be taken as read.

Thanking you,

*Rakesh Singh*  
21/07/18

(Rakesh Singh)  
Principal Secretary to Govt.  
Water Resources Department.

**Annex-III**

**OPENING REMARKS OF PRINCIPAL SECRETARY,  
GOVT. OF TAMIL NADU**

**IN THE 1<sup>ST</sup> MEETING OF THE CAUVERY WATER  
MANAGEMENT AUTHORITY AT NEW DELHI ON  
02.07.2018**

Chairman and Members of the Cauvery Water Management Authority, Officers of the Central and State Government, I welcome you all for this First Meeting of the Authority.

I congratulate the Chairman of the Authority for assuming charge as the Chairman and I thank the Chairman for calling the 1<sup>st</sup> meeting of the Cauvery Water Management Authority today. The Government of Tamil Nadu and farmers of Cauvery Delta hope and expect that the due share of water to Tamil Nadu will be made available to them in time by the Authority and the farmers fervently hope that their problems would be alleviated.

Karnataka seeks to reopen the issues which have attained finality in the adjudicated dispute by the

judgements of the Hon'ble Supreme Court, dated 16.2.2018 and 18.5.2018. This is wholly not permissible.

The normal date of opening of Mettur Dam for irrigation is 12<sup>th</sup> June. As the available storage in the Mettur Dam is not sufficient as of now, the reservoir could not be opened for irrigation till date.

In the Final Order of the Cauvery Water Disputes Tribunal which has been modified by the Order of the Hon'ble Supreme Court dated 16.02.2018, the monthly share to be realized at the designated location have been specified. This has to be broken into ten daily flows and accordingly the flows have to be realized and this has to be monitored by the Cauvery Water Regulation Committee and the Authority.

The rainfall in the catchment of Cauvery Basin in Karnataka and Kerala has been more than the normal till now. In the month of July, 2018 about 32 TMC ft. of water is to be realized by Tamil Nadu at Billigundulu. Apart from

the above, the unutilized waters of Kerala in the Kabini sub basin is also to be realized at Billigundulu.

I request the Authority to direct and ensure that Karnataka releases the entire allocated quantity of water to Tamil Nadu for the month of July, 2018 on 10 daily basis from its reservoirs as mentioned in the Final Order of the Cauvery Water Disputes Tribunal and the Hon'ble Supreme Court. With this, I hope that the storage would improve and the Dam could be opened for irrigation as early as possible.

The Authority is also requested to ensure the same pattern of releases by Karnataka for the entire irrigation season as well as the water year. The extent of area cropped as well as the minor irrigation by Karnataka should be monitored by the Authority and the Regulation Committee. Besides these, unauthorized diversions either through schemes or by lifting should not be allowed. No new schemes should be allowed without the concurrence of CWMA.



We would like to suggest that the Authority has to meet at least once a month and if needed, it has to meet more frequently and at short notice too. The powers, functions and duties as given in the Orders of Hon'ble Supreme Court dated 18.05.2018 and as notified by Government of India in its Gazette on 01.06.2018 are to be scrupulously adopted and followed.

The Engineers of suitable rank from Central Water Commission are to be appointed immediately to monitor the release of water as per the decision of Authority in the designated reservoirs forming part of the Tribunal's Final Order.

Indian Meteorological Department may be requested to furnish periodical rainfall of the Cauvery basin and its sub-basins to be party States.

The 1<sup>st</sup> meeting of the Cauvery Water Regulation Committee is proposed to be held on 5<sup>th</sup> July, 2018 at Delhi. As per the notification dated 1.6.2018, the Headquarters of the Committee is Bengaluru. I, therefore,

request that subsequent meetings may be held at Bengaluru.

With these few words, I once again hope and expect that the Authority will discharge its duties and functions assigned to it by the Supreme Court and ensure that the rights and the livelihood of farmers and people in the Cauvery Basin of Tamil Nadu dependent on the waters of Cauvery are fully protected.

On the Agenda items, I will offer Tamil Nadu's comments as and when they are taken up for discussion.

Thank You,

**COMPLIANCE OF KARNATAKA TO THE AGENDA FOR THE 1<sup>ST</sup> MEETING OF CAUVERY WATER MANAGEMENT AUTHORITY (CWMA) ON 2<sup>ND</sup> JULY, 2018.**

Agenda No.	Agenda	Submissions of Karnataka
1.1.1	<p><b>Strategy for Framing of Rules of Business:</b></p> <p>The Authority may deliberate on strategy for framing of Rules of Business, within the overall paradigm of the Gazette Notification dated 1<sup>st</sup> June, 2018.</p> <p>In this regard, Member States may suggest draft rules of business for consideration by the Authority in the meeting.</p>	<p>1) The Rules of Business of the CWMA should have an nexus to the object sought to be achieved i.e., implementation of the judgment of the Supreme Court modifying the order of the Tribunal.</p> <p>2) In this regard, the Rules of Business shall prescribe the methodology of supply of information or data by the party-States and procedure for filing of complaint by the aggrieved States and decision on the same by the CWMA after holding an investigation on the correctness of the complaint.</p> <p>3) With regard to the procedure for taking decision by the CWMA, it is advisable that efforts are made to reach a decision by</p>

Agenda No.	Agenda	Submissions of Karnataka
		<p>consensus. However, if the consensus does not emerge, then the matter be left to the decision of the Chairman of the CWMA. This was the procedure followed by the Cauvery River Authority constituted vide Notification dated 11.8.1998 for implementing the interim order of the Tribunal.</p>
1.1.2	<p><b>Strategy for Organization Structure and Service Rules:</b></p> <p>The Authority may deliberate on the broad principles on which the Organization Structure of the Authority should be based, and strategy for key issues like posting of Officials to the Authority, Service Rules for the staff. Authority's representatives at the eight reservoirs in the Cauvery Basin may also be finalized.</p>	<p>The item relates to strategy for organisation structure and service rules. However, it is mentioned that the CWMA would finalise on the posting of the "representatives at the eight reservoirs in the Cauvery Basin" which includes four reservoirs in Karnataka namely Hemavathy, Harangi, Kabini and Krishnarajasagar. The legality of this is highly doubtful. The powers, functions and duties of the CWMA as defined in para 10 of the Notification dated 1.6.2018 do not provide for nomination of representatives at the reservoir level. There is no obligation cast on the State</p>

Agenda No.	Agenda	Submissions of Karnataka
		<p>Governments to entertain a permanent representative of the CWMA at the reservoir level. Moreover, there is no need for such a permanent representative, because the CWMA is empowered to enter the reservoir under para 10(xiii) of the Notification dated 1.6.2018, if there is any such need to enter.</p>
1.1.3	<p><b>Funding and Accounting Arrangements:</b></p> <p>The Authority may deliberate on initiating the funding and accounting arrangements brought out in the Gazette Notification dated 1st June, 2018, to meet the day-to-day fund requirement of the Authority.</p>	<p>The Chairman of the CWMA may frame appropriate draft rules in this regard for regular payment of money by the States and accounting thereof. The State of Karnataka reserves its right to comment, if any.</p>
1.1.4.	<p><b>Requirement of office space/ furniture/computers/other infrastructure and vehicles etc.</b></p> <p>As per the notification of the authority, the Headquarter of the Authority shall be at New Delhi and that of Regulation Committee at Bangaluru. For</p>	<p>As Chairman of the CWMA decides.</p>

Agenda No.	Agenda	Submissions of Karnataka
	housing the Headquarters at these two locations, proper office accommodation with equipment and accessories and vehicles for Chairman, full time Members and other office bearers will be necessary. The Authority may discuss/decide the issue.	
<b>1.1.5</b>	<p><b>Directions to the Regulation Committee:</b></p> <p>The management of Cauvery waters by the Authority shall emanate from the recommendations of the Cauvery Water Regulation Committee (CWRC), whose Chairman and Member Secretary are also part of the Authority. The Authority may discuss the following aspects concerning CWRC as below:</p>	
1.1.5.1	Information on total residual storage in Banasuragar (Kerala); Hemavathy, Harangi, Kabini, and Krishnarajasagara (Karnataka); Lower Bhavani, Amaravathy and Mettur (Tamil Nadu), as on 1st June, 2018.	The State of Karnataka is agreeable to supply "information on residual storage" of Hemavathy, Harangi, Kabini and Krishnarajasagar at the end of water year which is 31 <sup>st</sup> May.
1.1.5.2	Format for maintaining data of inflow, outflow, withdrawal, storage, rainfall, cropped area and domestic and industrial requirement to be	The Chairman of the CWMA may frame the format for maintaining data. However, the

Agenda No.	Agenda	Submissions of Karnataka
	maintained by the CWRG.	<p>State of Karnataka submits that the data on withdrawal, domestic and industrial requirements and cropping pattern cannot be supplied except at the end of water year. The State of Karnataka submits that, after ensuring 177.25 tmc at the inter-State border Biligundlu in a normal year or pro-rata share in the distress year (decided by the CWMA based on ground realities), the State of Karnataka has liberty to withdraw all <sup>allocates</sup> water from reservoirs and grow such crop or crops as the Irrigation Consultative Committee of the State decides.</p>
1.1.5.3.	Requirement of data regarding actual yield in the basin during the period 1st June to 30 <sup>th</sup> June, 2018.	<p>The yield of the basin is calculated at various points and at terminal point by adding upstream utilisations to the measured flow. This exercise can be carried out after the water year by the Chairman of the CWMA. The draft study be submitted to the States for its comments. If the consensus does not emerge, the decision on the yield can be taken by the Chairman.</p>
1.1.5.4	Data regarding withdrawals / release of waters in	The Cauvery Monitoring Committee constituted

Agenda No.	Agenda	Submissions of Karnataka
	the basin during the period 1st June to 30th June, 2018.	vide Notification dated 11.8.1998 had decided the formats in the 22 <sup>nd</sup> meeting of the Monitoring Committee held on 23.6.2005 on 10 daily data. The State of Karnataka requests the CWMA to adopt the same for future' also. The data for the period from 1 <sup>st</sup> June to 30 <sup>th</sup> June, 2018 is enclosed herewith.
1.1.5.5	Bringing out indications of distress, if any, in the basin.	The "indication of distress" (which is different from determination of distress) in the Cauvery basin is possible only at the end of June after considering the inflows into 4 reservoirs. However, the first tentative determination of distress upto the inter-State border Biligundlu should be at the end of September and the second tentative determination of distress which is up to the Lower Coleroon Anicut in Tamil Nadu should be at the end of December based on ground realities. The final determination of distress should at the end of water year i.e., 31 <sup>st</sup> May against the normal



Agenda No.	Agenda	Submissions of Karnataka
		<p>yield of 740 tmc.</p> <p>The monthly determination of distress in the absence of monthly normal yield (monthly component of 740 tmc) is not possible and any 'ad hoc' determination will be prejudicial to the interests of Karnataka.</p>
1.1.5.6	<p>Submitting to the Authority plan of action for three ten-day periods, beginning July, 2018, duly complying with all aspects of the Judgement of the Hon'ble Supreme Court in this regard.</p>	<p>The State of Karnataka submits that in so far as the liability of Karnataka to ensure water is concerned, the 10 daily quota be measured as measured by the CWC at Biligundlu.</p>
1.2	<p><b>Strategy for setting up communication network for hydrological conditions:</b></p> <p>The Authority may consider requesting CWC to submit proposal for setting up communication network to assess hydrological conditions.</p>	<p>The "Real Time Data Acquisition Systems" shall be employed for setting up of communication network for hydrological data acquisitions.</p>
1.3	<p><b>Any other item with the permission of the Chair.</b></p>	

From,  
The Chief Engineer(ISW),  
Water Resources Development Organisation  
Anand Rao Circle, Bangalore,

Date: 30-06-2018

Format R.VI (Sheet(1 of 2)

Storage Status of Reservoirs in Karnataka [Water Year 2018-19] in TMC														
Month/Date	Kabini			Hemavathy			Harangi			K.R.Sagar			TOTAL	
	Gross	Live	Active	Gross	Live	Active	Gross	Live	Active	Gross	Live	Active	Gross	Live
1-Jun-18	6.673	2.824	0.000	5.338	3.995	0.966	0.575	0.148	0.000	8.786	4.385	0.408	21.372	11.352
10-Jun-18	7.723	3.874	0.000	6.688	5.345	2.316	1.210	0.783	0.460	9.869	5.468	1.491	25.490	15.470
20-Jun-18	18.459	14.610	8.649	19.929	18.586	15.557	3.467	3.040	2.717	25.808	21.407	17.430	67.663	57.643
30-Jun-18	18.321	14.472	8.511	24.195	22.852	19.823	5.254	4.827	4.504	29.236	24.835	20.858	77.006	66.986

Format R.VI (Sheet - 2 of 2)

Month/Year	Status of Inflow /Outflow/of Reservoirs in Karnataka (Flows in TMC)									
	Kabini		Hemavathy		Harangi		KRSagara		Total	
Particulars as on	Inflow	Out Flow	Inflow	Out Flow	Inflow	Out Flow	Inflow	Out Flow	Inflow	Out Flow
Jun-18	1	2	3	4	5	6	7	8	9	10
1(1 to 10)	1.395	0.131	1.858	0.173	0.689	0.026	1.525	0.219	5.268	0.350
2(11 to 20)	17.073	6.228	13.471	0.173	2.308	0.026	16.038	0.290	48.691	6.518
3(21 to 30)	9.300	9.315	4.932	0.172	1.780	0.026	6.274	0.310	22.088	9.625
Total during the Month	27.768	15.674	20.261	0.518	4.777	0.078	23.837	0.819	76.047	16.493

Note: 1). Total in Column (9) is sum of Column (1+3+5+7) minus column (4+6).  
2). Total in Column (10) is sum of Column (2+8)

Chief Engineer (ISW),  
W.R.D.O., Bangalore

93/52

Date: 25-06-2018

**Format R - V<sub>1</sub>**

Name of the Reservoir		HARANGI					River		HARANGI										State		Karnataka		Remarks
Sl.No.	Date	Reservoir Water Level	Storage			Active	Releases from Last date to current date					Evaporation	Total outflow including evaporation losses	Inflow from Last Date to Current Date ( From Water Balance)									
			Gross	Live	River Sluice		Power House	Spill	Canal*	Others(Absraction through lift etc.)													
											(TMC)				(TMC)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16								
1	01-06-2018	2783.68	0.575	0.148	0.000	0.000	0.000	0.0026	0.0026	0.0043	0.0000	0.0010	0.0036	0.0362	16								
2	02-06-2018	2784.23	0.592	0.165	0.000	0.000	0.000	0.0026	0.0026	0.0000	0.0000	0.0010	0.0036	0.0216									
3	03-06-2018	2784.80	0.612	0.185	0.000	0.000	0.000	0.0026	0.0026	0.0000	0.0000	0.0010	0.0036	0.0206									
4	04-06-2018	2785.48	0.637	0.210	0.000	0.000	0.000	0.0026	0.0026	0.0000	0.0000	0.0010	0.0036	0.0234									
5	05-06-2018	2786.34	0.667	0.240	0.000	0.000	0.000	0.0026	0.0026	0.0000	0.0000	0.0010	0.0036	0.0339									
6	06-06-2018	2786.96	0.690	0.263	0.000	0.000	0.000	0.0026	0.0026	0.0000	0.0000	0.0010	0.0036	0.0211									
7	07-06-2018	2787.46	0.708	0.281	0.000	0.000	0.000	0.0026	0.0026	0.0000	0.0000	0.0010	0.0036	0.0212									
8	08-06-2018	2788.18	0.733	0.306	0.000	0.000	0.000	0.0026	0.0026	0.0000	0.0000	0.0010	0.0036	0.0255									
9	09-06-2018	2792.18	0.876	0.449	0.126	0.000	0.000	0.0026	0.0026	0.0000	0.0000	0.0010	0.0036	0.1423									
10	10-06-2018	2799.44	1.210	0.783	0.460	0.000	0.000	0.0026	0.0026	0.0000	0.0000	0.0010	0.0036	0.3428									
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								

**HEMAVATHY**

Name of the Reservoir		HEMAVATHY					River		HEMAVATHY										State		Karnataka		Remarks
Sl.No.	Date	Reservoir Water Level	Storage			Active	River			Canal*	Others(Absraction through lift etc.)	Evaporation	Total outflow including evaporation losses	Inflow from Last Date to Current Date ( From Water Balance)									
			Gross	Live			Power House	River Sluice	Total (7+8+9)														
		(Ft)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16								
1	01-06-2018	2866.25	5.338	3.995	0.966	0.000	0.0173	0.0000	0.0173	0.0000	0.0003	0.0030	0.0206	0.3211									
2	02-06-2018	2867.50	5.691	4.348	1.319	0.000	0.0173	0.0000	0.0173	0.0000	0.0003	0.0030	0.0206	0.3734									
3	03-06-2018	2868.65	6.087	4.744	1.715	0.000	0.0173	0.0000	0.0173	0.0000	0.0003	0.0031	0.0207	0.4174									
4	04-06-2018	2869.30	6.262	4.919	1.890	0.000	0.0173	0.0000	0.0173	0.0000	0.0003	0.0032	0.0208	0.1958									
5	05-06-2018	2869.71	6.337	4.994	1.965	0.000	0.0173	0.0000	0.0173	0.0000	0.0003	0.0032	0.0208	0.0950									
6	06-06-2018	2869.84	6.360	5.017	1.988	0.000	0.0173	0.0000	0.0173	0.0000	0.0003	0.0032	0.0208	0.0443									
7	07-06-2018	2869.84	6.360	5.017	1.988	0.000	0.0173	0.0000	0.0173	0.0000	0.0003	0.0032	0.0208	0.0208									
8	08-06-2018	2869.79	6.351	5.008	1.979	0.000	0.0173	0.0000	0.0173	0.0000	0.0003	0.0032	0.0208	0.0118									
9	09-06-2018	2870.10	6.407	5.064	2.035	0.000	0.0173	0.0000	0.0173	0.0000	0.0003	0.0031	0.0207	0.0768									
10	10-06-2018	2871.41	6.688	5.345	2.316	0.000	0.0173	0.0000	0.0173	0.0000	0.0003	0.0031	0.0207	0.3018									
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-									

**KRISHNARAJA SAGARA**

**DAILY STORAGE POSITION OF RESERVOIRS IN CAULVERY BASIN**

Name of the Reservoir		KRISHNARAJASAGARA				River		CAULVERY						State		Karnataka		Remarks
Sl.No.	Date	Reservoir Water Level		Storage		Active	River					Canal*	Others(Absraction through lift etc.)	Evaporation	Total outflow including evaporation losses	Inflow from Last Date to Current Date ( From Water Balance)		
				Gross	Live		Spill	Power House	River Sluice	Total (7+8+9)	(TMC)						(TMC)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16			
1	01-06-2018	75.10	8.786	4.385	0.408	0.0000	0.0000	0.0214	0.0214	0.0043	0.0000	0.0080	0.0294	0.1455				
2	02-06-2018	75.55	8.958	4.557	0.580	0.0000	0.0000	0.0217	0.0217	0.0043	0.0000	0.0060	0.0277	0.2040				
3	03-06-2018	75.90	9.091	4.690	0.713	0.0000	0.0000	0.0218	0.0218	0.0043	0.0000	0.0070	0.0288	0.1660				
4	04-06-2018	76.20	9.208	4.807	0.830	0.0000	0.0000	0.0219	0.0219	0.0043	0.0000	0.0070	0.0289	0.1496				
5	05-06-2018	76.45	9.306	4.905	0.928	0.0000	0.0000	0.0219	0.0219	0.0043	0.0000	0.0060	0.0279	0.1314				
6	06-06-2018	76.70	9.405	5.004	1.027	0.0000	0.0000	0.0220	0.0220	0.0043	0.0000	0.0070	0.0290	0.1314				
7	07-06-2018	77.00	9.523	5.122	1.145	0.0000	0.0000	0.0221	0.0221	0.0043	0.0000	0.0070	0.0291	0.1512				
8	08-06-2018	77.25	9.625	5.224	1.247	0.0000	0.0000	0.0221	0.0221	0.0043	0.0000	0.0070	0.0291	0.1351				
9	09-06-2018	77.50	9.727	5.326	1.349	0.0000	0.0000	0.0222	0.0222	0.0043	0.0000	0.0060	0.0282	0.1352				
10	10-06-2018	77.85	9.869	5.468	1.491	0.0000	0.0000	0.0223	0.0223	0.0043	0.0000	0.0070	0.0293	0.1760				
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

**KABINI**

**DAILY STORAGE POSITION OF RESERVOIRS IN CAULVERY BASIN**

Name of the Reservoir		KABINI				River		KABINI										State		Karnataka		Remarks
Sl.No.	Date	Reservoir Water Level	Storage			River					Canal*	Others(Absraction through lift etc.)	Evaporation	Total outflow including evaporation losses	Inflow from Last Date to Current Date ( From Water Balance)							
			Gross	Live	Active	'Spill	Power House	River Sluice	Total (7+8+9)													
		(Ft)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16							
1	01-06-2018	2258.20	6.673	2.824	0.000	0.0000	0.0259	0.0000	0.0259	0.0000	0.0000	0.0000	0.0095	0.0354	0.1765							
2	02-06-2018	2258.40	6.744	2.895	0.000	0.0000	0.0259	0.0000	0.0259	0.0000	0.0000	0.0000	0.0069	0.0328	0.1039							
3	03-06-2018	2258.58	6.808	2.959	0.000	0.0000	0.0187	0.0000	0.0187	0.0000	0.0000	0.0000	0.0069	0.0256	0.0897							
4	04-06-2018	2258.66	6.837	2.988	0.000	0.0000	0.0086	0.0000	0.0086	0.0000	0.0000	0.0000	0.0069	0.0155	0.0440							
5	05-06-2018	2258.75	6.869	3.020	0.000	0.0000	0.0086	0.0000	0.0086	0.0000	0.0000	0.0000	0.0070	0.0156	0.0476							
6	06-06-2018	2258.82	6.893	3.044	0.000	0.0000	0.0086	0.0000	0.0086	0.0000	0.0000	0.0000	0.0070	0.0156	0.0405							
7	07-06-2018	2258.90	6.922	3.073	0.000	0.0000	0.0086	0.0000	0.0086	0.0000	0.0000	0.0000	0.0070	0.0156	0.0441							
8	08-06-2018	2259.10	6.994	3.145	0.000	0.0000	0.0086	0.0000	0.0086	0.0000	0.0000	0.0000	0.0070	0.0156	0.0879							
9	09-06-2018	2259.50	7.141	3.292	0.000	0.0000	0.0086	0.0000	0.0086	0.0000	0.0000	0.0000	0.0071	0.0157	0.1623							
10	10-06-2018	2261.05	7.723	3.874	0.000	0.0000	0.0086	0.0000	0.0086	0.0000	0.0000	0.0000	0.0075	0.0161	0.5989							
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							

NOTE: \* includes Water Supply to Towns and Villages.

Date: 25-06-2018

**Format R - V.,**

**DAILY STORAGE POSITION OF RESERVOIRS IN CALVERY BASIN**

Name of the Reservoir		HARANGI			Storage		River	HARANGI						State	Karnataka		Remarks
Sl.No.	Date	Reservoir Water Level	Gross	Live	Active	Releases from Last date to current date						Evaporation	Total outflow including evaporation losses	Inflow from Last Date to Current Date ( From Water Balance)			
						River					Canal*				Others(Absorption through lift etc.)		
						Spill	Power House	River Sluice	Total (7+8+9)	(TMC)		(TMC)	(TMC)	(TMC)		(TMC)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
1	11-06-2018	2806.65	1.619	1.192	0.869	0.0000	0.0000	0.0026	0.0026	0.0000	0.0000	0.0010	0.0036	0.4130			
2	12-06-2018	2815.28	2.244	1.817	1.494	0.0000	0.0000	0.0026	0.0026	0.0000	0.0000	0.0010	0.0036	0.6273			
3	13-06-2018	2820.12	2.681	2.254	1.931	0.0000	0.0000	0.0026	0.0026	0.0000	0.0000	0.0010	0.0036	0.4374			
4	14-06-2018	2823.58	2.994	2.567	2.244	0.0000	0.0000	0.0026	0.0026	0.0000	0.0000	0.0010	0.0036	0.3165			
5	15-06-2018	2827.08	3.189	2.762	2.439	0.0000	0.0000	0.0026	0.0026	0.0000	0.0000	0.0010	0.0036	0.1853			
6	16-06-2018	2828.65	3.270	2.843	2.520	0.0000	0.0000	0.0026	0.0026	0.0000	0.0000	0.0010	0.0036	0.0790			
7	17-06-2018	2829.73	3.325	2.898	2.575	0.0000	0.0000	0.0026	0.0026	0.0000	0.0000	0.0010	0.0036	0.0578			
8	18-06-2018	2830.71	3.375	2.948	2.625	0.0000	0.0000	0.0026	0.0026	0.0000	0.0000	0.0010	0.0036	0.0536			
9	19-06-2018	2831.50	3.415	2.988	2.665	0.0000	0.0000	0.0026	0.0026	0.0000	0.0000	0.0010	0.0036	0.0836			
10	20-06-2018	2832.51	3.467	3.040	2.717	0.0000	0.0000	0.0026	0.0026	0.0000	0.0000	0.0010	0.0036	0.0550			
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

**HEMAVATHY**

**DAILY STORAGE POSITION OF RESERVOIRS IN CALVERY BASIN**

Name of the Reservoir		HEMAVATHY				River	HEMAVATHY				State	Karnataka		Remarks	
Sl.No	Date	Reservoir Water Level	Storage			Active	River				Evaporation	Total outflow including evaporation losses	Inflow from Last Date to Current Date ( From Water Balance)		
			Gross	Live			Spill	Power House	River Sluice	Total (7+8+9)					Canal*
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
1	11-06-2018	2874.00	7.455	6.112	3.083	0.0000	0.0173	0.0000	0.0173	0.0000	0.0003	0.0032	0.0208	0.7875	
2	12-06-2018	2880.75	9.972	8.629	5.600	0.0000	0.0173	0.0000	0.0173	0.0000	0.0003	0.0037	0.0213	2.5383	
3	13-06-2018	2888.54	13.229	11.886	8.857	0.0000	0.0173	0.0000	0.0173	0.0000	0.0003	0.0043	0.0219	3.2785	
4	14-06-2018	2894.25	16.444	15.101	12.072	0.0000	0.0173	0.0000	0.0173	0.0000	0.0003	0.0052	0.0228	3.2382	
5	15-06-2018	2897.16	18.083	16.740	13.711	0.0000	0.0173	0.0000	0.0173	0.0000	0.0003	0.0059	0.0235	1.6625	
6	16-06-2018	2897.91	18.506	17.163	14.134	0.0000	0.0173	0.0000	0.0173	0.0000	0.0003	0.0061	0.0237	0.4462	
7	17-06-2018	2898.66	18.928	17.585	14.566	0.0000	0.0173	0.0000	0.0173	0.0000	0.0003	0.0063	0.0239	0.4463	
8	18-06-2018	2899.08	19.165	17.822	14.793	0.0000	0.0173	0.0000	0.0173	0.0000	0.0003	0.0063	0.0239	0.2605	
9	19-06-2018	2899.75	19.542	18.199	15.170	0.0000	0.0173	0.0000	0.0173	0.0000	0.0003	0.0063	0.0239	0.4013	
10	20-06-2018	2900.37	19.929	18.586	15.557	0.0000	0.0173	0.0000	0.0173	0.0000	0.0003	0.0065	0.0241	0.4113	
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

**KRISHNARAJA SAGARA**

**DAILY STORAGE POSITION OF RESERVOIRS IN CAUVERY BASIN**

Name of the Reservoir		KRISHNARAJASAGARA				River		CAUVERY					State		Karnataka		Remarks
Sl.No.	Date	Reservoir Water Level	Storage			Active	River				Canal*	Others(Absraction through lift etc.)	Evaporation	Total outflow including evaporation losses	Inflow from Last Date to Current Date ( From Water Balance)		
			Gross	Live			Spill	Power House	River Sluice	Total (7+8+9)							
		(Ft)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
1	11-06-2018	79.50	10.567	6.166	2.189	0.0000	0.0000	0.0227	0.0227	0.0043	0.0000	0.0060	0.0287	0.7325			
2	12-06-2018	82.80	12.076	7.675	3.698	0.0000	0.0000	0.0252	0.0252	0.0043	0.0000	0.0080	0.0332	1.5451			
3	13-06-2018	86.60	14.011	9.610	5.633	0.0000	0.0000	0.0275	0.0275	0.0043	0.0000	0.0100	0.0375	1.9761			
4	14-06-2018	90.80	16.420	12.019	8.042	0.0000	0.0000	0.0297	0.0297	0.0043	0.0000	0.0090	0.0387	2.4523			
5	15-06-2018	94.50	18.801	14.400	10.423	0.0000	0.0000	0.0316	0.0316	0.0043	0.0000	0.0100	0.0416	2.4275			
6	16-06-2018	98.20	21.432	17.031	13.054	0.0000	0.0000	0.0334	0.0334	0.0043	0.0000	0.0130	0.0464	2.6816			
7	17-06-2018	100.75	23.404	19.003	15.026	0.0000	0.0000	0.0348	0.0348	0.0043	0.0000	0.0130	0.0478	2.0238			
8	18-06-2018	101.90	24.336	19.935	15.958	0.0000	0.0000	0.0276	0.0276	0.0043	0.0000	0.0130	0.0406	0.9761			
9	19-06-2018	102.65	24.960	20.559	16.582	0.0000	0.0000	0.0282	0.0282	0.0043	0.0000	0.0130	0.0412	0.6699			
10	20-06-2018	103.65	25.808	21.407	17.430	0.0000	0.0000	0.0286	0.0286	0.0043	0.0000	0.0130	0.0416	0.5528			
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

**KABINI**

**DAILY STORAGE POSITION OF RESERVOIRS IN CAUVERY BASIN**

Name of the Reservoir		KABINI				River				KABINI				State		Karnataka		Remarks
Sl.No.	Date	Reservoir Water Level	Storage			Active	River				Canal*	Others(Absraction through lift etc.)	Evaporation	Total outflow including evaporation losses	Inflow from Last Date to Current Date ( From Water Balance)			
			Gross	Live			Spill	Power House	River Sluice	Total (7+8+9)						(TMC)	(TMC)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16			
1	11-06-2018	2265.72	9.688	5.839	0.000	0.0000	0.0086	0.0000	0.0086	0.0000	0.0000	0.0087	0.0173	1.9818				
2	12-06-2018	2269.04	11.218	7.369	1.408	0.0000	0.0086	0.0000	0.0086	0.0000	0.0000	0.0093	0.0179	1.5484				
3	13-06-2018	2273.05	13.229	9.380	3.419	0.0000	0.0086	0.0000	0.0086	0.0000	0.0000	0.0102	0.0188	2.0293				
4	14-06-2018	2276.55	15.119	11.270	5.309	0.0000	0.0086	0.0000	0.0086	0.0000	0.0000	0.0107	0.0193	1.9093				
5	15-06-2018	2279.70	16.874	13.025	7.064	1.3572	0.0432	0.0000	1.4004	0.0000	0.0000	0.0112	1.4116	3.1666				
6	16-06-2018	2279.40	16.703	12.854	6.893	2.9808	0.0432	0.0000	3.0240	0.0000	0.0000	0.0114	3.0354	2.8644				
7	17-06-2018	2279.80	16.931	13.082	7.121	1.5768	0.0432	0.0000	1.6200	0.0000	0.0000	0.0112	1.6312	1.8591				
8	18-06-2018	2281.08	17.685	13.836	7.875	0.0198	0.0432	0.0000	0.0630	0.0000	0.0000	0.0117	0.0747	0.8288				
9	19-06-2018	2281.82	18.131	14.282	8.321	0.0000	0.0432	0.0000	0.0432	0.0000	0.0000	0.0120	0.0552	0.5016				
10	20-06-2018	2282.35	18.459	14.610	8.649	0.0000	0.0432	0.0000	0.0432	0.0000	0.0000	0.0122	0.0554	0.3833				
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-				

NOTE: \* includes Water Supply to Towns and Villages.

From,  
The Chief Engineer(ISW),  
Water Resources Development Organisation  
Anand Rao Circle, Bangalore,

Date: 30-06-2018

Format R - V <sub>1</sub>																
DAILY STORAGE POSITION OF RESERVOIRS IN CALVEERY BASIN																
Name of the Reservoir		HARANGI					HARANGI					Kannada				
Sl.No.	Date	Reservoir Water Level	Storage			River	Release from Last date to current date					Evaporation	Total outflow including evaporation losses	Inflow from Last Date (From Current Date (From Water Balance)	Remarks	
			Gross	Live	Active		Spill	Power House	River Sluice	Total (7+8+9)	Canal*	Others(Absraction through lift etc.)				
		(FT)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)	
1	21-06-2018	2833.46	3.515	3.088	2.765	0.0000	0.0000	0.0000	0.0026	0.0026	0.0000	0.0000	0.0010	0.0036	0.0502	16
2	22-06-2018	2834.58	3.603	3.176	2.853	0.0000	0.0000	0.0000	0.0026	0.0026	0.0000	0.0000	0.0010	0.0036	0.0499	
3	23-06-2018	2835.51	3.700	3.273	2.950	0.0000	0.0000	0.0000	0.0026	0.0026	0.0000	0.0000	0.0010	0.0036	0.1003	
4	24-06-2018	2836.54	3.807	3.380	3.057	0.0000	0.0000	0.0000	0.0026	0.0026	0.0000	0.0000	0.0010	0.0036	0.1105	
5	25-06-2018	2837.50	3.907	3.480	3.157	0.0000	0.0000	0.0000	0.0026	0.0026	0.0000	0.0000	0.0010	0.0036	0.1033	
6	26-06-2018	2838.50	4.011	3.584	3.261	0.0000	0.0000	0.0000	0.0026	0.0026	0.0000	0.0000	0.0010	0.0036	0.1076	
7	27-06-2018	2839.96	4.164	3.737	3.414	0.0000	0.0000	0.0000	0.0026	0.0026	0.0000	0.0000	0.0010	0.0036	0.1576	
8	28-06-2018	2842.88	4.445	4.018	3.695	0.0000	0.0000	0.0000	0.0026	0.0026	0.0000	0.0000	0.0010	0.0036	0.2844	
9	29-06-2018	2845.50	4.816	4.489	4.166	0.0000	0.0000	0.0000	0.0026	0.0026	0.0000	0.0000	0.0010	0.0036	0.4739	
10	30-06-2018	2847.02	5.254	4.827	4.504	0.0000	0.0000	0.0000	0.0026	0.0026	0.0000	0.0000	0.0010	0.0036	0.3425	
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

DAILY STORAGE POSITION OF RESERVOIRS IN CALVEERY BASIN																
HEMAVATHY																
Name of the Reservoir		HEMAVATHY					HEMAVATHY					Kannada				
Sl.No.	Date	Reservoir Water Level	Storage			River	Release from Last date to current date					Evaporation	Total outflow including evaporation losses	Inflow from Last Date (From Current Date (From Water Balance)	Remarks	
			Gross	Live	Active		Spill	Power House	River Sluice	Total (7+8+9)	Canal*	Others(Absraction through lift etc.)				
		(FT)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)	(TMC)	
1	21-06-2018	2900.83	20.236	18.883	15.884	0.0000	0.0000	0.0173	0.0000	0.0173	0.0000	0.0000	0.0067	0.0243	0.3306	
2	22-06-2018	2901.33	20.569	19.226	16.197	0.0000	0.0000	0.0173	0.0000	0.0173	0.0056	0.0003	0.0067	0.0243	0.3628	
3	23-06-2018	2901.83	20.901	19.558	16.529	0.0000	0.0000	0.0173	0.0000	0.0173	0.0190	0.0003	0.0068	0.0244	0.3763	
4	24-06-2018	2902.20	21.151	19.808	16.779	0.0000	0.0000	0.0173	0.0000	0.0173	0.0337	0.0003	0.0068	0.0244	0.3073	
5	25-06-2018	2902.50	21.355	20.012	16.983	0.0000	0.0000	0.0173	0.0000	0.0173	0.0410	0.0003	0.0068	0.0244	0.2695	
6	26-06-2018	2902.87	21.606	20.263	17.234	0.0000	0.0000	0.0173	0.0000	0.0173	0.0505	0.0003	0.0070	0.0246	0.3367	
7	27-06-2018	2903.25	21.865	20.522	17.493	0.0000	0.0000	0.0173	0.0000	0.0173	0.0574	0.0003	0.0066	0.0242	0.3500	
8	28-06-2018	2903.91	22.314	20.971	17.942	0.0000	0.0000	0.0173	0.0000	0.0173	0.0691	0.0003	0.0065	0.0241	0.5420	
9	29-06-2018	2905.60	23.486	22.143	19.114	0.0000	0.0000	0.0173	0.0000	0.0173	0.0605	0.0003	0.0067	0.0243	1.2572	
10	30-06-2018	2906.60	24.196	22.852	19.823	0.0000	0.0000	0.0173	0.0000	0.0173	0.0657	0.0003	0.0068	0.0244	0.7995	
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

KRISHNARAJASAGARA																
DAILY STORAGE POSITION OF RESERVOIRS IN CALVEY BASIN																
CAVEY																
KARNATAKA																
State																
Evaporation																
Through lift etc.)																
Canal																
River																
Storage																
Gross																
Live																
Active																
Spill																
Power House																
River Sluice																
Total (7+8+9)																
Inflow from Last Date to Current Date (From Water Balance)																
Remarks																
1																
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																

NOTE: \* Includes Water Supply to Towns and Villages.

Chief Engineer (ISW),  
W.R.D.O., Bangalore



CONTACT DETAILS

KARNATAKA

CAUVERY WATER CELL

KARNATAKA BHAWAN III

BHEEMA

ANDREWS GANJ, HUDCO PLACE,

KHELGAON ROAD, NEW DELHI 110049.

PH– 011 26257149.

EMAIL: oicwrd cwc@yahoo.com

ceiswc Cauvery@gmail.com

TAMIL NADU

LIAISON OFFICE, CAUVERY TECHNICAL CELL CUM INTER STATE  
WATER WING,

OLD TAMIL NADU HOUSE,

NO. 6, KAUTILYA MARG, CHANAKYAPURI, NEW DELHI 110021.

PH. 011-23016428, 9958395094.

delhictctn@gmail.com.

Chennai: Secretary PWD, Tamil Nadu.

Phone : 044-25671622/ 25670718.

pwdsec@tn.gov.in

**KERALA**

**Mr. Vijay Kumar PG**

**Nodal Officer, WRD, Kerala,**

**Law Wing, Travancore House, K.G.Marg,**

**New Delhi 110001.**

**Ph 011-23383652, 9968854775, 8076348968.**

**PUDUCHERRY**

**Mr. J.K.Ray,**

**Additional Resident Commissioner, Puducherry House.**

**Ph. 9958133533.**

## Supporting Staff strength for Cauvery Authority

1	<b>Chairman</b>	1
2	Sr.PPS /PPS to Chairman	1
3	PA to Chairman	1
4	Driver	1
5	MTS for Chairman office	2
6	<b>Member(Water Resources)</b>	1
7	PPS to Member(Water Resources)	1
8	PA to Member (WR)	1
9	Driver	1
10	MTS for Member (WR) office	2
11	<b>Member(Agriculture)</b>	1
12	PPS to Member(Agriculture)	1
13	PA to Member (Agriculture)	1
14	Driver	1
15	MTS for Member(Agriculture)	2
16	<b>Secretary, Cauvery Water Management Authority</b>	1
17	PS to Secretary	1
18	PA to Secretary	1
19	Driver	1
20	MTS	2

### Administrative units under Secretary ,CWMA

21	Deputy Director(Admin)	1
22	Deputy Director(Laision)	1
23	Asisstant Director/Assisstant Director-II	2
24	Asstt Public Relations Officer	1
25	Hindi and Records Officer(In-Charge)	1
26	Steno grade D	2
27	Upper Divisional Clerk	2
28	Lower Divisional Clerk	2
29	Office Superintendent	1
30	Drivers	1
31	MTS	2

### Water Resources & Hydromet Unit under Member (WR)

32	Director (Engg)	1
33	PA to Director (Engg)	1
34	Driver	1
35	MTS	1
36	Deputy Director (Engg)	2
37	Deputy Director(Hydromet)/Assistant Dir(Hydrome	1

38

Senior Professional Assistant(Hydrometrology)  
/Professional Assistant

1

39 Asisstant Director/AD-II (Engg)

4

40 Junior Engineer

2

41 Steno grade D

1

42 Upper Divisional Clerk

1

43 Lower Divisional Clerk

1

44 MTS

2

### FINANCE WING

45 Director(Finance)

1

46 PA to Director

1

47 Driver

1

48 MTS

1

49 Accounts Officer/AAO

2

50 Steno Grade 'D'

1

51 MTS

1

### Agricultural Wing under Member (Agriculture)

52 Director(Agriculture)

1

53 PA to Director

1

54 Driver

1

55 MTS

1

56 Deputy Director(Agriculture)

1

57 Assistant Director (Agriculture)/AD-II (Agriculture)

2

58 Junior Engineer

1

59 Steno grade D

1

60 Upper Divisional Clerk

1

61 Lower Divisional Clerk

1

62 MTS

1

**Total Number of Posts**

79

**Annex VII**

**Quantum of water to be ensured at Billigundulu site of CWC in a normal year in the  
light of judgement of Hon'ble Supreme Court**

S.No.	Month	(in TMC)
1.	June	9.19
2.	July	31.24
3	August	45.95
4	September	36.76
5	October	20.22
6	November	13.78
7	December	7.35
8	January	2.76
9	February	2.50
10	March	2.50
11	April	2.50
12	May	2.50
	<b>Total</b>	177.25