

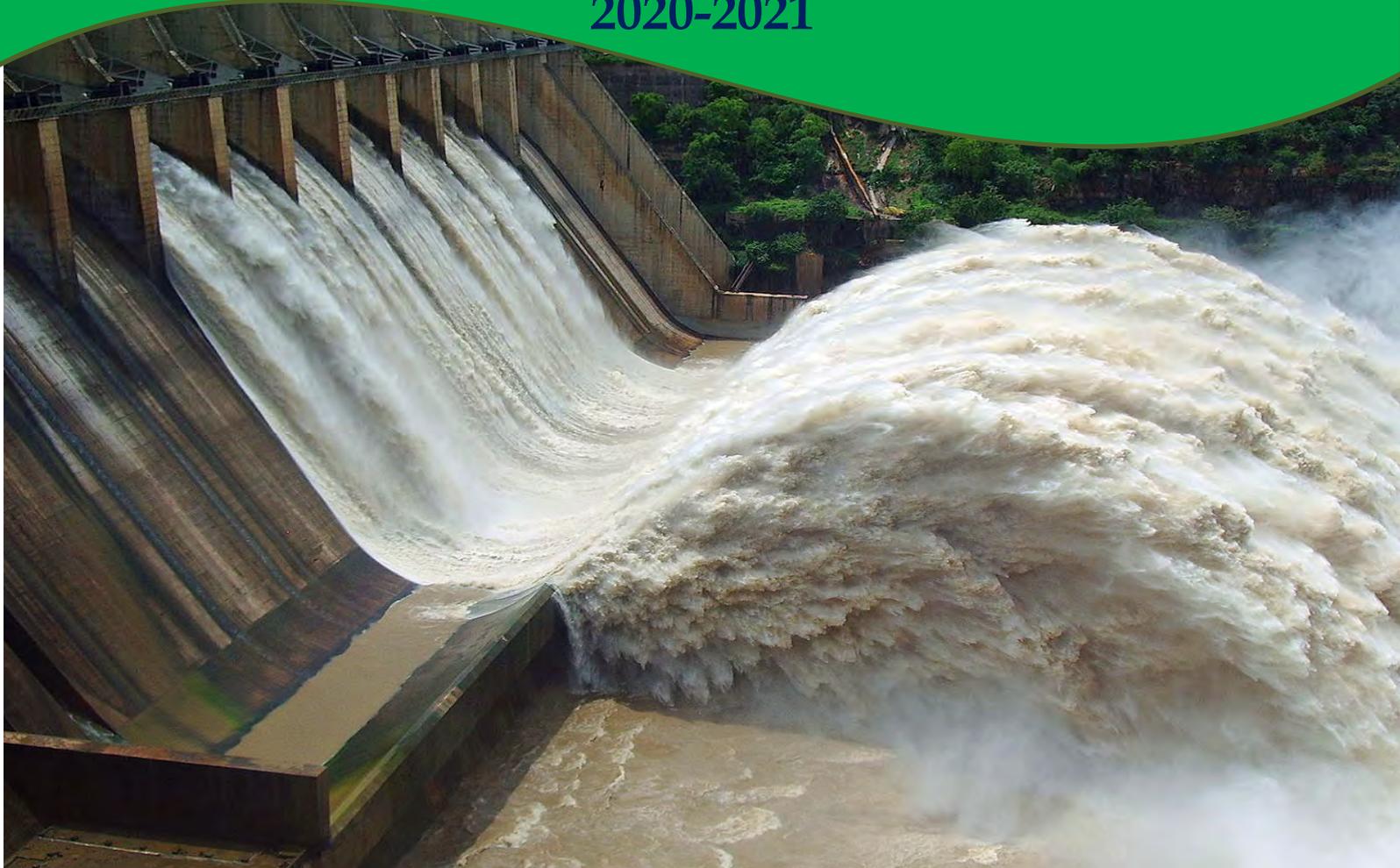


भारत सरकार/ Government of India
जल शक्ति मंत्रालय/ Ministry of Jal Shakti
जल संसाधन, नदी विकास और गंगा संरक्षण विभाग/
Department of Water Resources, River Development
& Ganga Rejuvenation



कृष्णा नदी प्रबंधन बोर्ड
Krishna River Management Board

Annual Report
2020-2021



KRISHNA RIVER BASIN MAP





भारत सरकार
Government of India



कृष्णा नदी प्रबंधन बोर्ड Krishna River Management Board

जल संसाधन, नदी विकास और गंगा संरक्षण विभाग
Department of Water Resources,
River Development & Ganga Rejuvenation

जल शक्ति मंत्रालय
Ministry of Jal Shakti

Annual Report
2020 - 21



FROM CHAIRMAN'S DESK

I am pleased to present the Annual Report of Krishna River Management Board for the year 2020-2021. It gives a concise account of Krishna River basin and updates of the Krishna River Management Board, its functions and progress during 2020-2021.

The Krishna River Management Board has been constituted as per Ministry of Water Resources (Now Ministry of Jal Shakti) notification no:1148, Dt:28-05-2014 in accordance with 85 (1), (4) & (5) of the Andhra Pradesh Re-organisation Act 2014. Its primary function is regulation of supply of water for Drinking, Irrigation and Power generation from the projects of Krishna Basin to the states of Andhra Pradesh and Telangana. The 12th Krishna River Management Board meeting was held on 04-06-2020 emphasizing on the issues of new projects taken up by both the States and regulation of water supply between the two states.

KRMB is carrying out its functions as laid down under section 85 (8) of the A.P. Re-organisation Act, 2014 under the guidance of Ministry of Jal Shakti, RD&GR and support of State Governments of Andhra Pradesh and Telangana. The support and cooperation of Department of Water Resources, RD&GR, Ministry of Jal Shakti, Government of India and both the State Governments in facilitating its smooth functioning is gratefully acknowledged.

Finally, I want to acknowledge the extraordinary efforts made by all our officials and staff members of KRMB for their dedication and devotion in their duties, inspite of covid pandemic which enabled KRMB to perform its functions impartially and successfully.

The publication of this Annual Report has been possible with the dedicated efforts of officers and staff of KRMB. I acknowledge the efforts of all who contributed in bringing out this report.

A handwritten signature in blue ink, appearing to be 'S. N. Kumar'.

(Shiv Nandan Kumar)
Chairman, KRMB



MESSAGE FROM MEMBER SECRETARY

Krishna River Management Board (KRMB) was constituted on 02.06.2014 in exercise of the powers conferred by section 85 of the Andhra Pradesh Reorganisation Act, 2014 as an autonomous body under the administrative control of Central Government for administration, regulation, maintenance and operation of such projects on Krishna River, as may be notified by the Central Government from time to time.

Sharing of Krishna water is being handled by the Board based on the recommendation of the three-member committee consisting of Member Secretary, KRMB and Engineers-in-Chief of Andhra Pradesh and Telangana which considers the indents raised by the project authorities and keeps in view of the overall availability of water and requirements to make recommendation to KRMB. Three meetings of the said committee were held and three Water Release Orders were issued during the year 2020-21.

KRMB has taken up installation of Telemetry Stations for water accounting from the reservoirs in both the States as per the decision taken in the Ministry of Water Resources, RD&GR meeting held on 21st - 22nd June, 2016. At present 18 Nos of Telemetry stations have been installed under Phase-I at various locations of Jurala, Srisailam, Nagarjuna Sagar projects. The installation of the balance 9 telemetry stations would be beneficial for water accounting and equitable sharing of water among the States of Andhra Pradesh and Telangana.

Apart from the technical activities, KRMB has organized various events viz. International Yoga Day, Hindi Pakhwada, Samvidhan Divas and Swachhta Pakhwada as per the instructions of MoJS, DoWR, RD & GR.

I express my sincere thanks to the then Chairman, KRMB and for his valuable suggestions and guidance in preparation of this report. I compliment the officers and staff of the KRMB especially Shri G. Srinivas Rao, Executive Engineer (Admn) Shri P. Ravi Chandra, Deputy Executive Engineer and Smt K. Savithri, Assistant Executive Engineer for their efforts in bringing out this report.

(D. M. Raipure)
Member Secretary, KRMB

HIGHLIGHTS OF THE YEAR 2020-2021

- 12th Board Meeting of KRMB was held on 4th June, 2020.
- During the year 2020-21, three meetings of Three Member Committee were held.
- As per the recommendations of Three Member Committee, three (03) water release orders were issued by KRMB.
- During the year 2020-21, two meetings of Chennai Water Supply Committee were held.
- E-Governance activities were implemented in functioning of KRMB Secretariat viz. KRMB website, LIMBS, RTI Online, e-Samiksha, GeM, e-Procurement, etc.
- Various mass awareness programs of Govt. of India viz. Samvidhan Divas, Swachhta Pakhwada, International Yoga Day, Hindi Pakhwada etc. were organized.
- Budget estimate of Rs. 16.75 Crore for the FY: 2020-21 was approved by the Board.
- Capacity building of the officers of the Board was done through participation in Training programs/ Conferences/ Seminars/Workshops/ Meetings.

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Abbreviations Used in the Report

ADCP	Acoustic Doppler Current Profiler
AMRP	Alimineti Madhava Reddy Project
AP	Andhra Pradesh
AP GENCO	Andhra Pradesh Power Generation Corporation Limited
APR Act, 2014	Andhra Pradesh Reorganisation Act, 2014
CEA	Central Electricity Authority
CVC	Central Vigilance Commission
CWC	Central Water Commission
CWES	Central Water Engineering Service (Group-A service)
CWPRS	Central Water and Power Research Station
DOWR	Department of Water Resources
DPR	Detailed Project Report
FRL	Full Reservoir Level
GOI	Government of India
GWDT	Godavari Water Dispute Tribunal
HNSS	Handri Niva Sujala Sravanthi
I & CAD	Irrigation and Command Area Development
ISRWDA	Inter-State River Water Disputes Act
KGBO	Krishna Godavari Board Organisation
KRMB	Krishna River Management Board
KWDT	Krishna Water Disputes Tribunal
MoJS	Ministry of Jal Shakti
NIH	National Institute of Hydrology
NRSC	National Remote Sensing Centre
LIS	Lift Irrigation Scheme
LMC	Left Main Canal
RMC	Right Main Canal
MDDL	Minimum Draw Down Level
MW	Mega Watt
NSP	Nagarjuna Sagar Project
NSRSSP	Neelam Sanjeeva Reddy Sagar Srisailam Project
RDS	Rajolibanda Diversion Scheme
RD&GR	River Development & Ganga Rejuvenation
RTI	Right to Information
SCADA	Supervisory Control and Data Acquisition
SLDCP	Side-Looking Doppler Current Profiler
TMC	Thousand Million Cubic Feet (2831 ha m)
TS	Telangana State
TS GENCO	Telangana State Power Generation Corporation Limited
WRD	Water Resources Department

CHAPTER-1

AN OVERVIEW OF KRISHNA RIVER MANAGEMENT BOARD

1.1 Constitution of Krishna River Management Board (KRMB)

The Andhra Pradesh Reorganisation Act, 2014 was promulgated in Parliament by the Central Government for bifurcation of the erstwhile State of Andhra Pradesh into the States of Andhra Pradesh and Telangana, and under the Presidential Orders, Ministry of Law and Justice published the Act vide Gazette No.6 (part-2) of 2014 on 1st March 2014 (Annexure-I). Part IX of the Act deals with Management and Development of Water Resources of the successor States.

In exercise of the powers conferred under Section 85 (part IX) of the APR Act, 2014, the Central Government, vide Ministry of Water Resources Notification dated 28th May, 2014, constituted Krishna River Management Board (KRMB), with autonomous status under the administrative control of Central Government for the administration, regulation, maintenance and operation of such projects, as may be notified by the Central Government from time to time. A copy of Gazette Notification of KRMB dated on 28.05.2014 (Part II – Section 3) by MoWR, RD & GR is placed as Annexure-II.

The composition of KRMB is as given below:

(1)	An officer of the level of Additional Secretary to the Government of India from the Central Water Engineering (Group 'A') Service	Chairperson
(2)	Two members, to be nominated by each of the successor States of Telangana and Andhra Pradesh, of which one shall be the technical member not below the rank of Chief Engineer and the other administrative member to represent the concerned States	Members
(3)	One expert from the Central Power Engineering (Group 'A') Service	Member
(4)	An Officer not below the rank of Chief Engineer from the Central Water Engineering (Group 'A') Service	Member Secretary

The Board started functioning from 2nd day of June, 2014 i.e. the appointed day notified vide notification dated 04.03.2014 by Ministry of Home Affairs for the purposes of the APR Act, 2014.

1.2 Headquarters

As per APR Act, 2014, the headquarters of Krishna River Management Board is to be in the successor State of Andhra Pradesh. However, the headquarters of the Board is presently at Hyderabad and the shifting of headquarters of Krishna River Management Board is in process.

1.3 Staff of the Board

In pursuance of Section 86(1) of the APR Act, 2014, the Board has employed staff as per its requirement for the efficient discharge of its functions under this Act on deputation from the successor States. The posts of Chairman, Member Secretary and Member are encadred for KRMB and are posted by DoWR, Ministry of Jal Shakti. The post of Member(Power) is also encadred and is posted by Ministry of Power.

1.4 Finance

In pursuance of Section 86(2) of the APR Act, 2014, Govt. of AP and Govt. of TS shall at all times provide the necessary funds to the Board to meet all the expenses required for the discharge of its functions and such amounts shall be apportioned between the States concerned in such proportion as the Central Government may, having regard to the benefits to each of the said States, specify.

1.5 Apex Council

The Central Government constituted an Apex Council for the supervision of the functioning of the Krishna River Management Board.

The Apex Council consists of -

- (a) Minister of Jal Shakti, Government of India- Chairperson,
- (b) Chief Minister of State of Andhra Pradesh- Member,
- (c) Chief Minister of State of Telangana- Member.

The functions of the Apex Council include-

- (i) Supervision of the functioning of the Krishna River Management Board and Godavari River Management Board;
- (ii) Planning and approval of proposals for construction of new projects, if any, based on Krishna or Godavari river water, after getting the proposal appraised and

recommended by the River Management Boards and by the Central Water Commission, wherever required;

- (iii) Resolution of any dispute amicably arising out of the sharing of river waters through negotiations and mutual agreement between the successor States;
- (iv) Reference of any disputes not covered under Krishna Water Disputes Tribunal, to a Tribunal to be constituted under the Inter-State River Water Disputes Act, 1956.

CHAPTER-2

KRISHNA RIVER

2.1 Introduction

The Krishna Basin extends over Maharashtra, Karnataka, Telangana and Andhra Pradesh having a total area of 2,58,948 Sq.km which is nearly 8% of the total geographical area of the country. The basin has a maximum length and width of about 701 km and 672 km, it lies between 73°17' to 81°9' East longitudes and 13°10' to 19°22' North latitudes.

It is bounded by Balaghat range on the North, by the Eastern Ghats on the South and the East and by the Western Ghats on the West. The Krishna River rises from the Western Ghats near Jor village of Satara district of Maharashtra at an altitude of 1,337 m just North of Mahabaleshwar. The total length of river from origin to its outfall into the Bay of Bengal is 1,400 km.

Its principal tributaries joining from right are the Ghatprabha, the Malprabha and the Tungabhadra whereas those joining from left are the Bhima, the Musi and the Munneru are joining the river from left.

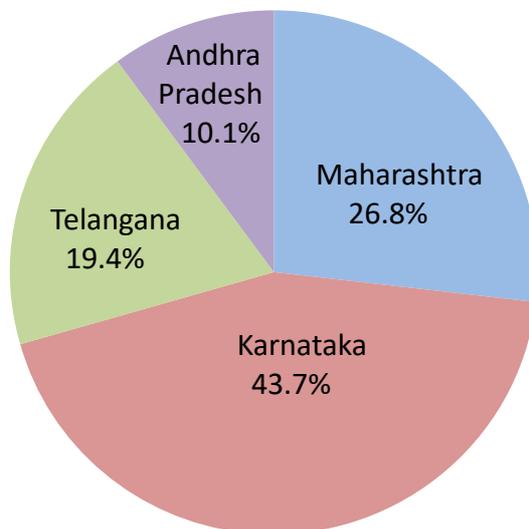
The major part of basin is covered with agricultural land accounting to 75.86% of the total area and 4.07% of the basin is covered by water bodies.

The State-wise distribution of catchment area and length of river Krishna are as given in Table - 2.1.

TABLE - 2.1

Basin State	Length in km	Catchment Area in sq km
Maharashtra	306	69425
Karnataka	483	113271
Telangana	612	50155
Andhra Pradesh		26097
Total	1401	258948

State wise percentage of basin area in Krishna river



2.2 Major Tributaries

Principal tributaries of Krishna River are as given below in Table - 2.2.

TABLE - 2.2

Sl. No.	Tributary	Length in km (Approx.)
1	Koyna (R)	119
2	Ghataprabha (R)	283
3	Malaprabha (R)	306
4	Tungabhadra (R)*	531
5	Vedavati (R)	391
6	Bhima (L)*	861
7	Musi (L)	267
8	Paleru (L)	153
9	Munneru (L)	196

* The rivers Tungabhadra and Bhima, tributaries of the Krishna, are themselves Major Inter-State rivers.

2.3 Sub - Basins

For the purpose of planning and development of water resources in the basin, the Krishna River Basin has been divided into the following 12 sub-basins as given below in Table - 2.3.

TABLE - 2.3

Sl. No.	Sub-Basin	Number	Area in sq km	Area in Percentage
1	Upper Krishna	K1	17972	7
2	Middle Krishna	K2	17558	7
3	Ghataprabha	K3	8829	3
4	Malaprabha	K4	11549	4
5	Upper Bhima	K5	46066	18
6	Lower Bhima	K6	24548	10
7	Lower Krishna	K7	36125	14
8	Tungabhadra	K8	47827	19
9	Vedavathi	K9	23590	9
10	Musi	K10	11212	4
11	Paleru	K11	3263	1
12	Munneru	K12	10409	4
Total			258948	100

2.4 Krishna River in Andhra Pradesh and Telangana

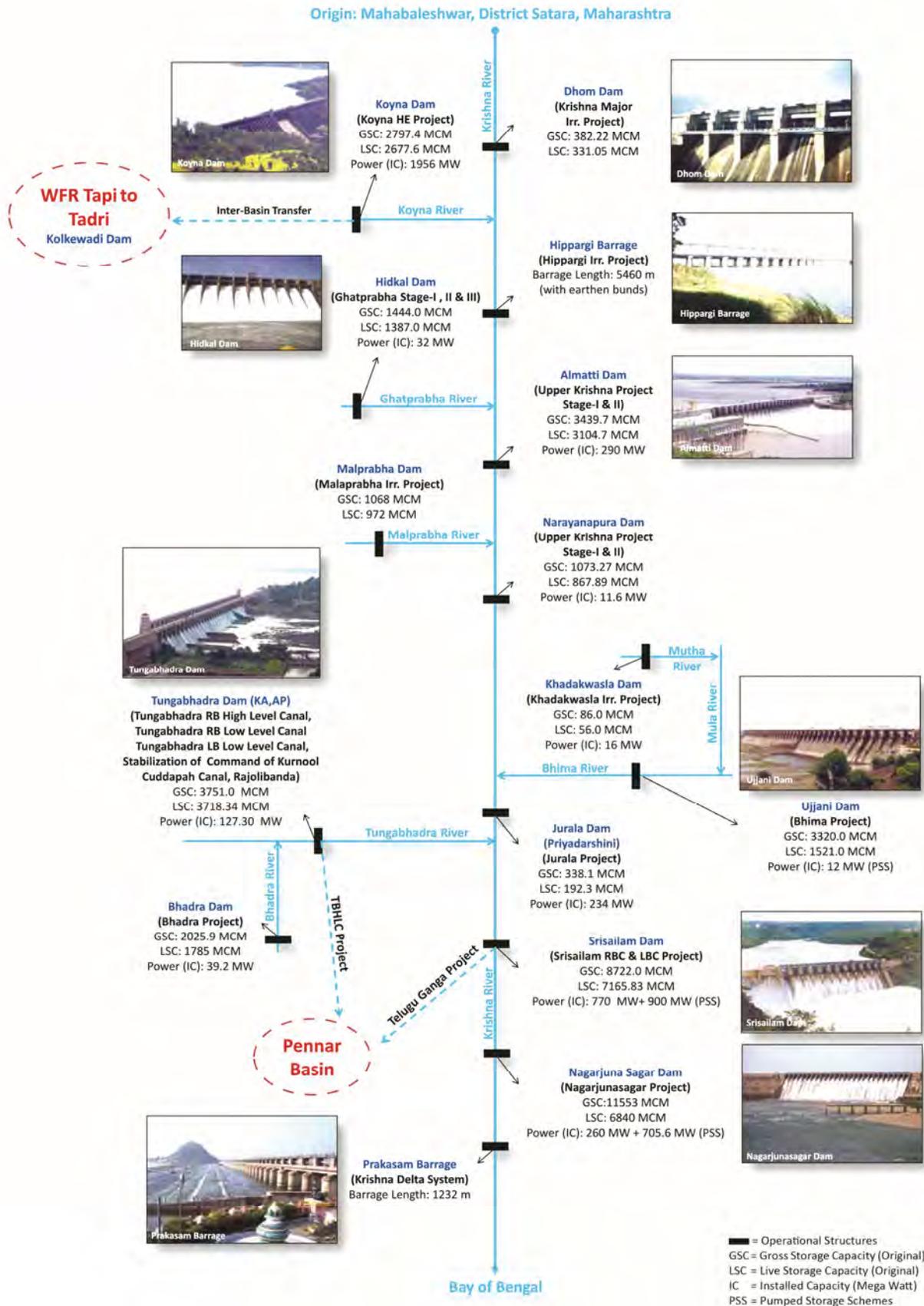
Priyadarshini Jurala is the upstream most project built on river Krishna in erstwhile Andhra Pradesh State and is presently in Telangana State. The project is located in lower Krishna sub basin. The other sub basins in Telangana and Andhra Pradesh are Tungabhadra, Vedavathi, Musi, Paleru and Munneru.

The river Krishna including the tributaries joining the river Krishna viz., Tungabhadra, Musi, Paleru and Munneru are flowing both in Telangana and Andhra Pradesh and are Inter State Rivers.

The Neelam Sanjeeva Reddy Sagar Project(Srisailam), Nagarjuna Sagar Project, Dr K.L. Rao Pulichintala Project and Prakasam Barrage are major existing projects on Krishna River. The two major projects Srisailam and Nagarjuna Sagar serve both the States.

Tungabhadra Dam, Rajolibanda Diversion Scheme(RDS) and Sunkesula Barrage are existing on Tungabhadra river, which is a major tributary of river Krishna. Tungabhadra Dam constructed across river Tungabhadra, serves Karnataka, Andhra Pradesh and Telangana.

River Flow Line Diagram



CHAPTER-3

FUNCTIONS OF THE BOARD

3.1 Functions of Krishna River Management Board (KRMB)

The functions of the Board as laid down in the APR Act, 2014 under clause 85(8) are-

- (a) the regulation of supply of water from the projects to the successor States having regard to-
 - (i) awards granted by the Tribunals constituted under the Inter-State River Water Disputes Act, 1956;
 - (ii) any agreement entered into or arrangement made covering the Government of existing State of Andhra Pradesh and any other State or Union territory;
- (b) the regulation of supply of power generated to the authority in-charge of the distribution of power having regard to any agreement entered into or arrangement made covering the Government of the existing State of Andhra Pradesh and any other State or Union territory;
- (c) the construction of such of the remaining on-going or new works connected with the development of the water resources projects relating to the rivers or their tributaries through the successor States as the Central Government may specify by notification in the Official Gazette;
- (d) making an appraisal of any proposal for construction of new projects on Krishna river and giving technical clearance, after satisfying that such projects do not negatively impact the availability of water as per the awards of the Tribunals constituted under the Inter-State River Water Disputes Act, 1956 for the projects already completed or taken up before the appointed days; and
- (e) such other functions as the Central Government may entrust to it on the basis of the principles specified in the Eleventh Schedule.

3.1.1 The Eleventh Schedule

The Eleventh Schedule of APR Act, 2014 covers the principles governing the functioning of the River Management Boards and is enclosed as **Annexure - III**.

3.2 Jurisdiction

As per Section 87(1) of the APR Act, 2014 the Board shall ordinarily exercise Jurisdiction on Krishna river in regard to any of the projects over headworks (barrages, dams, reservoirs, regulating structures) part of canal network and transmission lines necessary to deliver water or power to the States concerned, as may be notified by the Central Government, having regard to the awards, if any, made by the Tribunals constituted under the Inter-State River Water Disputes Act, 1956.

As per Section 87(2) of the APR Act, 2014, if any question arises as to whether the Board has Jurisdiction under sub-section (1) over any project referred thereto, the same shall be referred to the Central Government for decision thereon.

In the first meeting of the Apex Council held on 21.09.2016 under the Chairpersonship of Hon'ble Minister (Jal Shakti), the Government of Telangana stated that only after the final KWDT- II Award, Jurisdiction of KRMB may be notified. The Government of Andhra Pradesh stated that pending allocations to be made by KWDT- II, Jurisdiction of KRMB may be notified by GoI as there is no linkage between Jurisdiction and project wise allocations by KWDT - II.

In the meeting taken by the Secretary, DoWR, RD & GR on 15.02.2018, it was decided that final decision in this matter will be taken by the Apex Council.

Also in the meeting taken by the Secretary, DoWR, RD&GR on 21.01.2020, it was decided that the matter would be placed before the Apex Council for decision.

In the second meeting of the Apex Council held on 06.10.2020 under the Chairmanship of Hon'ble Minister (Jal Shakti), it was decided that Jurisdiction of GRMB and KRMB shall be notified by Government of India. The Hon'ble CM of Telangana expressed his disagreement on this. Hon'ble Union Minister clarified that it is the Central Government's prerogative for such notification as per the APRA-2014 and thus the same will be notified as per the express mandate of the APRA-2014.

CHAPTER-4 BOARD ORGANISATION

4.1 Organisation

Krishna River Management Board (KRMB) was established on 2nd June, 2014 in pursuance of Section 85 (1) of APR Act, 2014.

4.2 Board Secretariat

The following officers of the Board are appointed by the Central Government.

- (i) Chairperson,
- (ii) Member Secretary,
- (iii) Member (Power) and
- (iv) Member.

KRMB is headed by the Chairperson who is vested with the administrative and financial powers for smooth functioning of the Board. Chairperson is assisted by Member Secretary, Member (Power) and Member (in the Board Secretariat). Member Secretary, appointed from Central Water Engineering (Group 'A') Services is in-charge of the supervision of Board's administration and financial matters. The Member (Power), appointed from Ministry of Power is responsible to look after the power related matters. The Member in the Board Secretariat, of the rank of Chief Engineer from Central Water Engineering (Group 'A') Service is responsible for technical matters.

Member Secretary, Member (Power) and Member in KRMB are assisted by Superintending Engineer/ Executive Engineer level officers. Allied duties and functions are grouped under respective units and each unit is divided into divisions, headed by Executive Engineers, Deputy Director/ Director (F). The Executive Engineers, Deputy Director/ Director (F) are supported by the officers of the level of Dy. Executive Engineer, Assistant Director, Assistant Executive Engineer, Superintendent, Accounts Officer, Sr. Assistant and Jr. Assistant.

The structure of KRMB under Member Secretary, Member and Member (Power) is as follows:

- (i) Administration and Finance Unit under Member Secretary
 - 1. Administration and Coordination Division
 - 2. Finance Division
 - 3. Water Management Division
- (ii) Technical Unit under Member
 - 1. Appraisal and Monitoring Division
- (iii) Power Unit under Member (Power)

4.3 Incumbents

The incumbents to the posts of Chairperson and Members of KRMB during the year 2020-21 are given in Table - 4.3.

TABLE - 4.3

Sl. No.	Designation	Name	Period
1	Chairperson	Shri J. Chandra Shekhar Iyer (Link Officer)	01-04-2020 to 31-05-2020
		Shri A. Paramesham	01-06-2020 to 31-03-2021
2	Member Secretary	Shri A. Paramesham	01-04-2020 to 31-05-2020
		Shri L.B.Muanthang A/C	01.06.2020 to 30.06.2020
		Shri Harikesh Meena (L.O)	01.07.2020 to 27.09.2020
		Shri D.M. Raipure	28.09.2020 to 31.03.2021
3	Member (Power)	Shri L.B.Muanthang	01-04-2020 to 31-03-2021
4	Member	Shri Harikesh Meena	01-04-2020 to 31-03-2021

4.4 Nominated Board Members from the State Governments

Particulars of the Board Members from the States are given in the following Table:

Government of Andhra Pradesh		
1	Member (Admin)	Shri Aditya Nath Das, IAS Special Chief Secretary to Govt. of Andhra Pradesh, Water Resources Department
2	Member (Technical)	Shri C. Narayana Reddy Engineer-in-Chief (I), Water Resources Department
Government of Telangana		
1	Member (Admin)	Shri Dr. Rajat Kumar, IAS Principal Secretary to Govt. of Telangana, Irrigation & CAD Department
2	Member (Technical)	Shri C. Muralidhar Engineer-in-Chief (I), Irrigation & CAD Department

4.5 Other Officers/ Staff of the Board

In addition to the personnel from the Central Government, other engineering officers from the level of Superintending Engineer to Assistant Executive Engineers and Financial/ Administrative/ Ministerial officials from the level of Director (Finance) to Assistants are deployed on deputation/diversion/ loan basis from the Governments of Telangana, Andhra Pradesh and CWC.

In KRMB, 23 officers are in position as on 31.03.2021 and the break-up is as follows:

Government of India	-- 4
Government of Andhra Pradesh	-- 12
Government of Telangana	-- 7

Organisation Chart of Board Secretariat is at <https://krmb.gov.in/krmb/orgChart>

CHAPTER-5

BOARD MEETINGS

5.1 Board Meetings

Board Meetings

During the year 2020-21, one Board meeting was held:

Sl. No.	Meeting	Date	Chair
1	12 th Board Meeting at Hyderabad	04.06.2020	A. Paramesham Chairman, KRMB

Twelfth Meeting of the Board

The 12th meeting of the Board was held on 04.06.2020 at Hyderabad and following decisions were taken:

- The issue of submission of DPRs of Water Resources Projects in Krishna basin by the State Governments of Andhra Pradesh and Telangana for appraisal were discussed.

Chairman stated that as per section 85(8)(d) and para (7) of the Eleventh Schedule of the A.P. Reorganization Act, 2014, no new project can be taken up by both the State Governments without getting the project proposal appraised, technically cleared by KRMB/CWC and recommended by KRMB before sanction by the Apex Council.

Reiterating the directive given to the States of Andhra Pradesh and Telangana based on the directions of MoJS, Chairman directed both the States not to go ahead with the projects till the DPR is submitted and appraised by the Board/CWC and sanctioned by Apex Council.

After detailed deliberations, Members of both the State Governments stated that the issue of submission of DPRs will be appraised to their respective State Governments and further action will be taken accordingly.

- Water sharing during the water year 2020-21 was discussed and certain issues were raised by both the States regarding water utilization. After detailed deliberations, Chairman, KRMB stated that the issues will be discussed in the

next meeting and till such time, the same arrangement (i.e., the ratio 66:34 (AP:TS) excluding utilization under minor irrigation, diversion of Godavari Waters and evaporation losses) may be continued, for which both the States have agreed.

- Implementation of Telemetry Phase-II was discussed. Chairman, KRMB stated that KRMB could not take up the Phase-II telemetry (9 Nos) due to paucity of funds and added that if telemetry comes into existence in all major outlets, there will be more transparency and data can be considered for water accounting.

After discussions, administrative representatives of both the States agreed to expedite the release of requisite funds to KRMB.

- Sharing of Power during the water year 2020-21 was discussed and after discussions members of both the States agreed to share power generation benefits at Srisailem project in the ratio of 50:50 during the water year 2020-21.
- Budget/ Fund requirement to KRMB for the financial year 2020-21 was discussed. After discussions, administrative members of both the States stated that they will release their respective share of funds expeditiously.
- Shifting of KRMB Headquarters to Vijayawada was discussed and after discussions Chairman stated that final decision in the matter is to be taken by the Ministry of Jal Shakti (Dept. of Water Resources, RD&GR) and KRMB will abide by the Ministry's decision.
- Notification of Jurisdiction of KRMB was discussed and Chairman informed that a proposal on jurisdiction of KRMB was submitted to Ministry of Jal Shakti by KRMB and this issue may be placed in the Apex Council for its consideration.

5.2 Three Member Committee Meetings and Outcomes

Three (3) meetings of the Three Member Committee consisting of Engineers-in-Chief of both the States and Member Secretary, KRMB were held during the year 2020-21. Water Release Orders were issued keeping in view primarily the following factors.

- i) Drinking and Irrigation water requirements.
- ii) Storage positions in the reservoirs.
- iii) Generation of power as an incidental benefit.

Further, it was also seen that the overall ratio mutually agreed by States of sharing of the water was adhered to.

As per the decisions of Three Member committee meetings, three (03) water release orders were issued by KRMB during the water year 2020-21 from the common projects of Srisailem and Nagarjuna Sagar for irrigation needs from different outlets and also drinking water supply to Hyderabad City and Chennai City.

5.3 Committee to ensure supply of Krishna water to augment drinking water supply to Chennai City.

As per the 10th meeting of the Standing Committee of the Southern Zonal Council held at Bengaluru on 28th November 2017, a Committee was constituted by MoWR, GoI to ensure supply of Krishna water to augment the drinking water supply to Chennai city. The Order dated 5th October, 2018 for constitution of the Committee is enclosed as **Annexure - IV**.

- a. Relevant extracts of the agreements of 1976 and 1977 among Maharashtra, Karnataka, erstwhile Andhra Pradesh, Tamil Nadu and Union Ministry of Agriculture and Irrigation are:
 - (i) “Maharashtra, Karnataka and erstwhile Andhra Pradesh have to spare 5 TMC each during the period from 1st July to 31st October of every year” towards drinking water supply to Chennai city.
 - (ii) Government of Tamil Nadu shall draw not more than 15 TMC in a water year from Srisailem reservoir during the period 1st July to 31st October.
- b. Relevant extract of the agreement of 1983 between erstwhile Andhra Pradesh and Tamil Nadu is:

Andhra Pradesh shall ensure to provide 8 TMC during the period from July to October and 4 TMC during the period from January to April.

During the year 2020-21, two meetings of the Committee were held on 22-07-2020 (4th meeting) and 19.01.2021(5th meeting) respectively under the Chairmanship of Chairman of the Committee i.e., Chairman, KRMB.

The following decisions/ discussions were done in the 4th meeting of the Committee:

- Supply of 8.0595 TMC water to Chennai city during the last year at A.P-T.N border, which is the highest since inception in 1996.
- The Committee's mandate is to resolve the issue of supply of Krishna water to augment the drinking water supply to Chennai city as per the agreements of 1976, 1977 and 1983. The Committee's mandate does not include imposing penalisation on any State.
- The States of Andhra Pradesh and Tamil Nadu to expedite water withdrawal plans and furnish the same to the Committee at the earliest.
- Maharashtra, Karnataka and Telangana to look into the methodology proposed by the Chief Engineer, ISWR, WRD, GoAP for conveying 15 TMC to Chennai water supply.

The following main decisions were taken in the 5th meeting of the Committee:

- The existing joint mechanism established between Andhra Pradesh and Tamil Nadu will decide the schedule plan in a convenient way for the current water year.
- The total quantum of water received in Srisaillam reservoir towards Chennai water supply and other utilizations cannot be segregated. The purpose is not served by knowing how much quantum of water is being received or drawn or used from Srisaillam reservoir for other consumptive uses. The main issue is to supply the agreed quantum of water towards Chennai city at the A.P.-T.N. border.
- The members of Karnataka and Maharashtra were requested to continue to be part of the Committee until suitable directions are received from the Ministry of Jal Shakti otherwise.
- It is the responsibility of the States of A.P. and T.N. to take appropriate measures to have a suitable mechanism to store the water and regulate the releases to augment the drinking water requirement to Chennai City.
- There are constraints involved like canal maintenance, length of the canal of about 400 km from Srisaillam to Poondi reservoir, threshold levels, storage capability and water availability in Tamil Nadu for supplying of water to Chennai city. If the States made good efforts, there is possibility to supply the agreed quantum of water to Chennai city in the current water year.
- The Srisaillam reservoir basically serves the interest of States of Andhra Pradesh and Telangana. The main issue is that the States have to work together in order to supply the agreed quantum of water to Chennai city.
- The initial flows to Srisaillam doesn't seem to be as simple as it appears, as it involves the actual utilization by the basin States, pressing demands from lower States to meet

irrigation requirements, their planned utilizations, drought situations in which sufficient water may not be available, etc.

- The data of Velugodu, Somasila and Kandaleru reservoirs are not available with the Committee. Chairman also opined that the Committee will welcome if such mechanism of sharing of data is implemented between Andhra Pradesh and Tamil Nadu.
- The States of AP and TN to explore procedures in order to improve the conveyance efficiency of the canal.
- Chairman requested the Chief Engineer, KGBO, CWC Hyderabad to share data in Krishna basin especially in the stretch where the water is flowing down to Tamil Nadu.
- Due to very good rainfall this year, all the reservoirs were filled and surplus to the tune of 1278 TMC has flown to the sea. During this water year 2020-21, a quantity of 6.941 TMC was released towards Chennai water supply up to 31.12.2020 from Srisaillam reservoir and a quantity of 5.553 TMC was realized at A.P.-T.N. border.

5.4 Apex Council Meetings

The second meeting of the Apex Council was held on 6th October 2020 through video conferencing, under the Chairmanship of Shri Gajendra Singh Shekhawat, Hon'ble Union Minister for Jal Shakti with Shri Y. S. Jagan Mohan Reddy, Hon'ble Chief Minister of Andhra Pradesh (AP) and Shri K. Chandrashekar Rao, Hon'ble Chief Minister of Telangana, Senior officers from DoWR, GRMB, KRMB and CWC also attended the meeting.

Concluding the meeting, Hon'ble Minister of Jal Shakti summarized the decisions taken after detailed deliberations:

1. Jurisdiction of GRMB and KRMB shall be notified by Government of India. The Hon'ble CM of Telangana expressed his disagreement on this. Hon'ble Union Minister clarified that it is the Central Government's prerogative for such notification as per the APRA-2014 and thus the same will be notified as per the express mandate of the APRA-2014.
2. For considering the request of Telangana for a tribunal under section-3 of the ISRWD Act of 1956, Telangana has to withdraw the case it has filed in the Supreme Court on the subject. After receiving such assurance, Ministry of Jal Shakti, GoI will seek legal opinion on whether a new Tribunal has to be appointed or new Terms of

Reference can be issued to KWDT-II to hear the matter. Hon'ble CM of Telangana agreed to withdraw the case in Supreme Court.

3. Both the States shall submit the DPRs of new projects to the Boards immediately for appraisal and subsequent sanction by Apex Council. Hon'ble Union Minister assured that the appraisal would be done in the shortest possible time. Both Hon'ble Chief Ministers agreed to submit the DPRs.
4. As agreed by both the States, the Headquarters of KRMB will be shifted to AP.

CHAPTER-6

ADMINISTRATIVE MATTERS

6.1 Working Manual

As per Section 88 of the APR Act, 2014, the Board may make regulations consistent with the Act and the rules made thereunder, to provide for -

- a) regulating the time and place of meetings of the Board and the procedure to be followed for the transaction of business at such meetings;
- b) delegation of powers and duties of the Chairman or any officer of the Board;
- c) the appointment and regulation of the conditions of service of the officers and other staff of the Board;
- d) any other matter for which regulations are considered necessary by the Board.

Accordingly, Krishna River Management Board (KRMB) prepared the draft Working Manual including the rules required for day to day functioning of the Board, procedures for transaction of business, conduct meetings, staff requirement, etc.

A draft Working Manual of KRMB after receiving comments on earlier draft from both the State Governments was placed in the 10th Board meeting of KRMB held on 09.08.2019 and as agenda item 11.5 in 11th Board meeting held on 09.01.2020 also. A decision was taken to hold joint meeting of both the Boards i.e., KRMB and GRMB exclusively to discuss the issue of finalization of the Working Manual.

The Working Manual of KRMB 2019 was kept as Agenda 11.5 in 11th Board meeting held on 09.01.2020 and it was decided to hold a joint meeting of both the Boards (i.e., KRMB and GRMB) to specifically discuss the issue of finalization of the Working Manual.

6.2 KRMB Web Site

The official website of KRMB with the domain name as krmb.gov.in is being maintained by KRMB in the servers of National Informatics Centre (NIC). All the project authorities are required to upload the daily data of reservoirs inflows and outflows in this web site. Accordingly, the same is also considered in water usage account of both the States.

6.3 e-Governance

The goal of e-governance is to offer a variety of information to citizens in an efficient and economical manner and to strengthen the relationship between Government and citizens using technology. The Government of India has initiated many Digital India Components.

The following Digital India Components have been adopted by KRMB:

e-Procurement: The Government initiated to commence e-Procurement of all procurements made with minimum tender value limit of Rs.2.00 lakhs w.e.f. 01.04.2016. Accordingly, the process of e-Tendering through <https://eprocure.gov.in/> is followed by KRMB.

e-Samiksha Software: e-Samiksha is a real time online system for monitoring of follow-up action on the decisions taken in meetings held in the cabinet secretariat. For implementation of the e-Samiksha Software in all organisations of the Ministry, the KRMB had nominated its Nodal Officer and communicated to MoJS for registration in e-Samiksha Software System.

Government e-Marketplace (GeM): GeM is a one stop portal to facilitate online procurement of common use Goods and Services required by various Government Departments/ Organizations/ PSUs. GeM aims to enhance transparency, efficiency and speed in procurement. The purchases through GeM by Government users have been authorized and made mandatory by Ministry of Finance by adding a new Rule No. 149 in the General Financial Rules, 2017. Since then the procurement for Goods and Services are carried out in KRMB through the GeM.

Legal Information Management & Briefing System (LIMBS): LIMBS is to create a national portal of all cases pending in various courts/ tribunals as a part of the e-Governance initiative. Once completed, information relating to all court/ tribunal cases being handled by the various ministries/ departments and other organisations of the Government of India will be available on a single web-based online application. The KRMB has been uploading data from the year 2018 onwards in the LIMBS web site.

6.4 Infrastructure/ Office Accommodation

Infrastructure/ Office accommodation for the Board was provided by Govt. of Telangana in the 5th floor of Jalasoudha Building, Errum Manzil, Hyderabad.

CHAPTER-7

FINANCIAL MATTERS

7.1 Budgetary Funds

In pursuance of Section 86(2) of the APR Act, 2014, Govt. of AP and Govt. of TS shall at all times provide the necessary funds to the Board to meet all the expenses required for the discharge of its functions and such amounts shall be apportioned between the States concerned in such proportion as the Central Government may, having regard to the benefits to each of the said States, specify.

Initially, the expenditure incurred in respect of KRMB were processed by GoAP through PAO, Vijayawada under HOD, Chief Engineer, Krishna Delta System, Vijayawada. However, certain difficulties were faced for timely settling of the bills (including salary bills) through this process.

Hence in the 3rd meeting of the Board held on 16th December, 2015, it was decided that, Both the States shall deposit the Budget funds and thus Board should be made financially independent.

GoAP shall deposit every year the amount as per the budget estimate approved by the board in full in the first quarter of the financial year. The share of the GoTS shall be adjusted by the GoAP independently.

The Savings bank account shall be operated independently by the Board secretariat as Chairperson is fully authorized to use the amount for the identified tasks. He can delegate the operation of the finances within the Board Secretariat.

All transactions shall be done jointly under two signatures. The signatories are Director(Finance) and Drawing & Disbursing Officer.

The unutilized funds at the end of the year are non-lapsable and shall be adjusted in the subsequent year.

The Board secretariat shall place the annual account of expenses before the Board. The accounts of the Board are subjected to audit as per provisions of the State/Central Government.

During the 6th meeting of the Board held on 22nd August 2017, Board has decided to have a reserve fund of at least Rs.10.00 crore. It was decided that the Board may gradually built up the reserve fund out of savings from the approved/ allocated fund subject to maximum of Rs.1 crore per year.

In the 8th meeting of the Board held on 6th June, 2018, to avoid the process of apportionment of share of expenditure between both the States and reimbursement to AP, which is time taking, it was agreed that, both the State Governments will share the Budget estimate approved by the Board in equal proportion (50:50) from the Financial Year 2018-19 onwards.

However, in the 9th meeting of Board held on 16th October, 2018, on request of the Chief Secretary, GoTS, it was decided that AP State shall release full budget requirement of KRMB quarterly. GoTS would subsequently reimburse 50% of its share through KRMB for proper accounting. With this, the decision of previous meeting of the Board stands superseded.

The budget estimate of Rs.16.75 crore was approved by the Board for the FY: 2020-21. During F.Y. 2020-21, GoTS have released Rs.4.50 crore and no funds are released by the GoAP. The details of budget estimate, funds released and expenditure incurred by the Board during financial year 2020-21 are given as below:

The Details of Budget Estimate, funds received and expenditure incurred during the Financial Year 2020-21.

(Rs. in Lakhs)

Sl. No	Particulars	Amount
I.	Budget Estimate approved by Board/ Revised Estimate	1675.00
II.	Amount of Budget released during 2020-21	450.00
III.	Expenditure during 2020-21	528.08
IV.	Balance as on 31.3.2021 including previous year saving amounts (excluding grant from GOI)	472.14

Note: One time grant-in-aid of Rs.1.00 Crore was received as initial amount to be reimbursed by the Board on receipt of funds from the State Government of Andhra Pradesh and Telenagana vide MoWR, RD&GR Letter no: R.160011/8/2014-Pen.Riv/009 dated 16.12.2014.

7.2 Procurement

KRMB procures all necessary items through Government e-Marketplace (GeM) and Local Market. The major items procured during the financial year 2020-21 were Computers and peripherals.

7.3 Audit

KRMB is not operating the Head of accounts of both the States directly. However, the accounts of KRMB for the financial years 2015-16, 2016-17, 2017-18, 2018-19, 2019-20 were audited by the Indian audit and accounts department, O/o Principal Director of Audit (AF &WR), Chennai Branch Office, Chetpet, Chennai. The replies to the Separate Audit Report were submitted to Indian audit and accounts department, O/o Director General of Audit, Scientific department, Bangalore by KRMB. The Final report is awaited.

CHAPTER-8

TECHNICAL ACTIVITIES

8.1 Water Management

Arrangements of water sharing between Andhra Pradesh and Telangana

A tentative distribution of water between Government of Andhra Pradesh and Government of Telangana in Krishna basin was agreed in a meeting held on 18th - 19th June, 2015 at New Delhi under the Chairmanship of Additional Secretary, MoWR, RD & GR (A copy of the minutes of the meeting is at **Annexure - V**). The issues related to regulation of water use by Krishna River Management Board (KRMB) between Andhra Pradesh and Telangana State were also discussed. The meeting was attended by Principal Secretary, Water Resources Department of Government of Andhra Pradesh and Principal Secretary, I & CAD Dept., Government of Telangana.

In the meeting, it was agreed to share the quantity of 811 TMC (allocated enbloc by KWDT for utilization in various projects to erstwhile State of Andhra Pradesh) as 298.96 TMC for Telangana and 512.04 TMC for Andhra Pradesh. It was agreed that for current year the quantity of water available after allocation of 811 TMC would be shared proportionately. Similarly, the deficit below 811 TMC would also be shared accordingly. The ratio works out as 63.13 : 36.87 between Andhra Pradesh and Telangana States.

It was also agreed in the meeting held on 18th - 19th June, 2015 that a Three Member Committee comprising of Engineers-in-Chief of both the States and Member Secretary of KRMB would assess the availability of water from time to time and requirements raised by the concerned State and accordingly decide the release of water to both the States. The decision taken by KRMB shall be implemented by the concerned State project authorities.

During the first Apex Council Meeting held on 21.09.2016, both the States agreed for continuation of working arrangement of sharing of water for 2015-16 and for the year 2016-17 also.

In the 7th meeting of the Board held on 04.11.2017, the Board decided to share the Krishna water in the ratio of 66:34 for AP and TS for the water year 2017-18.

Thereafter, the ratio of 66:34 (AP:TS) has been adopted for the water years 2018-19, 2019-20 & 2020-21.

8.2 Water use Account

Water utilisation by both the States during water year 2020-21.

Utilisations in Krishna Basin:

In Krishna basin, during water year 2020-21, the total utilisation by both the States is 872.170 TMC out of which utilisation of Andhra Pradesh is 618.935 TMC and utilisation of Telangana State is 253.235 TMC.

Utilisations in two common reservoirs:

During water year 2020-21, 723.89 TMC of water was drawn by both States from the two common reservoirs namely Neelam Sanjeeva Reddy Sagar Srisailam and Nagarjuna Sagar Project. Out of this, 205.166 TMC was drawn from Srisailam reservoir and 518.724 TMC was drawn from Nagarjuna Sagar. Canal/ Scheme-wise Drawls of Water by Andhra Pradesh and Telangana from two Common Reservoirs is enclosed at **Annexure - VI**.

The Reservoir levels and Storages during the year 2020-21 in respect of Srisailam and Nagarjuna Sagar Projects are indicated in **Plate-I & Plate-II**.

8.3 Implementation of Telemetry System under Krishna River Management Board

Phase-I:

Krishna River Management Board has taken up the implementation of Telemetry system as per the decision taken in the MoWR, RD & GR meeting held on 21st - 22nd June, 2016 and 1st meeting of the Apex Council held at New Delhi on 21st September, 2016 to have real time data of inflows and outflows of various projects of Andhra Pradesh and Telangana in Krishna basin.

Overall, 18 numbers of Telemetry stations were installed in Phase-I at various locations of Jurala, Srisailam, Nagarjuna Sagar projects, as detailed below:

Sl. No.	Name of the Telemetry station	Type of sensor	Field Division AP / TS in charge of the station
1	AMRP Lift Scheme at Km 1.10 of Link canal connecting to Akkampalli Balancing Reservoir	Level sensor	AMR SLBC Division, Angadipeta.
2	Nagarajuna Sagar Project (NSP) Dam at Diversion Tunnel Intake Tower		Dam Maintenance Division, Hill colony, NSP Dam

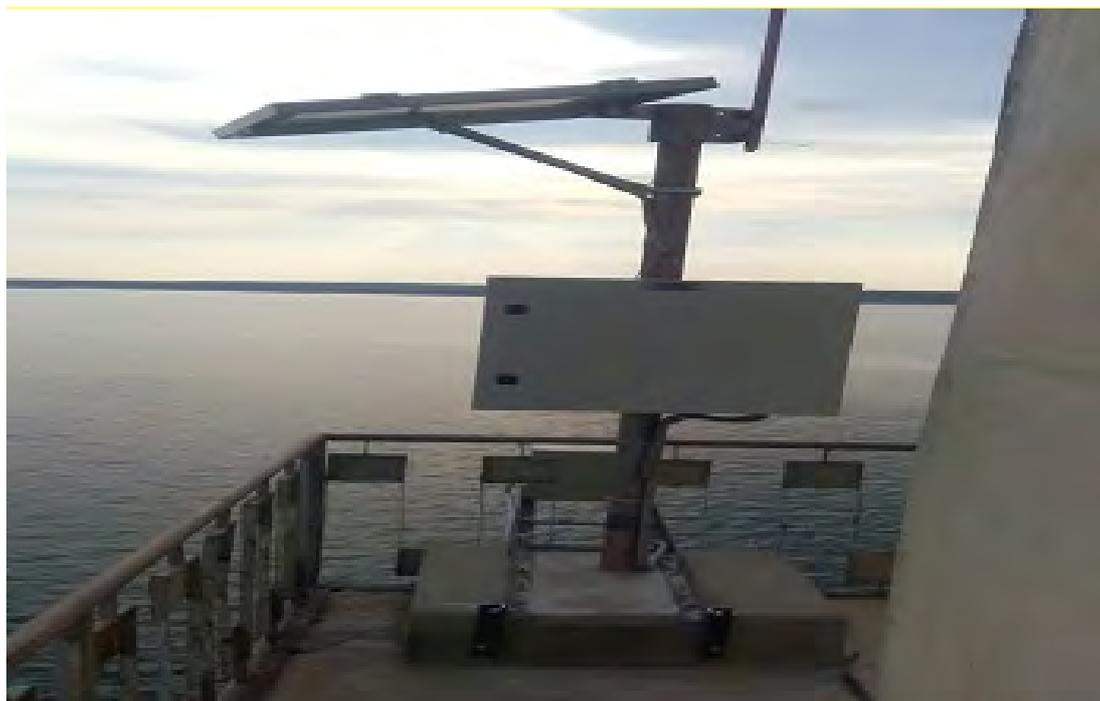
3	NSP Right Bank Canal at Km 0.44 of Head Regulator	Level cum Velocity Sensor	Monitoring division, Lingamguntla
4	NSP Left Bank Canal near entry point of water in tunnel		NSC Monitoring Division, Tekulapally, Khammam
5	Palair Reservoir upstream of intake structure at Km 136.345 of NSP LBC		
6	Palair Reservoir Off take at Km 0.20 downstream of confluence of NSLC and Power House outlet	Level sensor	
7	NSP LBC Km 101.362 at Andhra Pradesh Telangana Border	Level sensor	NSLBC O&M Division, Nuzvid
8	Mahatma Gandhi Kalwakurthy LI Scheme (MGKLIS) at Cistern	Level sensor	MGKLIS Division-1, Nagarkurnool, Mahaboobnagar
9	Srisaillam Reservoir near Block 17/18		Dam Maintenance Division, NSRSSP
10	At SLB @ Km. 12.265 of SRMC of Pothireddypadu Head Regulator	Level cum Velocity Sensor	TGP Distributory Division-1, Nandyal
11	Handri Niva Sujala Sravanthi (HNSS) LI Scheme near Culvert at Km (-) 1.62 of old pump house	Level sensor	Division-02, HNSS, WRD, Kurnool
12	Jurala Reservoir		PJP Dam Division No.-2, Nandimala
13	Jurala Right Main Canal near head regulator		PJP Execution Division No.-2, Gadwal
14	Jurala Left Main Canal near head regulator	Level sensor	PJP Dam Division No.-2, Nandimala
15	Jurala Left Parallel Canal near head regulator		RBL-II, HW & Canal Division, Sangambanda Camp, Makthal, Mahaboobnagar.
16	Bhima LI Scheme - I at lift point		
17	Koilsagar LI Scheme at lift point		
18	Nettampadu LI Scheme at lift point	Level cum Velocity Sensor	PJP Execution Division No.-2, Gadwal

All the 18 nos of Phase-I Telemetry stations have been placed under 2 years warranty and 5 years AMC and the agency M/s Mechatronics Systems Pvt Ltd, Pune is carrying the warranty and AMC work

The remote data of all the 18 Telemetry stations is being received at Model Centre at KRMB, Hyderabad.



**Non-contact water level cum velocity sensor at d/s of
Pothireddypadu Head Regulator**



Telemetry station at Nagarjuna Sagar Project Reservoir



Telemetry station at Koilsagar LIS

8.4 Hydro Power

On Krishna river in both the States, hydro power plants are located at Priyadarshini Jurala, Lower Jurala, Srisailam Right Bank power house, Srisailam Left Bank power house, Nagarjuna Sagar Dam power house, Nagarjuna Sagar Right Canal power house, Nagarjuna Sagar Left Canal power house, Nagarjuna Sagar Tail Pond power house and Pulichintala power house. The Details of Hydro Power Projects on Krishna River in the States of Andhra Pradesh and Telangana are given at **Annexure – VII** in the order of location from upstream to downstream. At present, these are operated by the concerned States based on the geographical location of the plants.

In the meeting taken by Additional Secretary, MoWR, RD & GR, New Delhi on 18th – 19th June, 2015 both States agreed that while making releases for power generation the committed utilizations for Nagarjuna Sagar and Srisailam Reservoir as mentioned in the **Appendix to Annexure - V** may be ensured. Further, both States have also agreed to release water from power house of Srisailam to derive power benefits in 50:50 ratio.

Hydro Power Generation (million units) of various Power Plants on the Krishna River during the water year 2020-21 is given in the following table:

Month	Priyadarshini Jurala	Lower Jurala	Srisailam RB	Srisailam LB	NS Dam	NS RBC	NS LBC	NS Tail pond	Pulichintala
Jun-20	0.000	0.000	0.023	0.501	10.474	0.000	0.000	0.105	0.000
Jul-20	56.966	64.321	0.345	248.644	7.715	0.000	0.000	2.448	0.973
Aug-20	86.688	87.691	163.634	399.386	156.348	7.455	12.293	6.469	15.441
Sep-20	97.699	110.270	373.005	0.000	353.619	26.615	10.582	8.551	38.628
Oct-20	84.882	89.625	402.627	44.144	451.251	23.563	18.687	16.924	41.557
Nov-20	43.043	48.546	75.481	181.889	62.251	25.062	14.835	10.742	28.299
Dec-20	1.225	1.964	0.132	38.006	6.194	23.099	17.943	1.581	11.298
Jan-21	0.000	0.372	3.996	63.116	65.938	21.926	16.832	2.381	21.989
Feb-21	0.000	0.000	25.508	97.948	67.377	15.062	6.358	1.535	17.841
Mar-21	0.000	0.278	83.671	129.754	67.544	9.360	1.485	3.111	22.561
Apr-21	0.000	0.209	17.541	19.168	37.514	3.496	0.000	1.835	8.682
May-21	0.000	0.000	0.000	0.641	28.927	0.000	0.000	0.994	2.535
Total	370.503	403.276	1145.963	1223.197	1315.152	155.638	99.015	56.676	209.804

The water utilization during the year 2020-21 in respect of Srisailem and Nagarjuna Sagar Projects for power generation are given in **Plate-III & Plate-IV**.

8.5 Regulation of Power Generated from Interstate Projects

As per Section 85(8)(b) of the APR Act, 2014, KRMB is required to undertake regulation of supply of power generated to the authority in-charge of the distribution of power having regard to any agreement entered into or arrangement made covering the Government of the existing State of Andhra Pradesh and any other State or Union territory.

There is a separate “Tungabhadra Board” constituted by the President of India in exercise of the powers vested under sub section (4), Section 66 of the Andhra Pradesh State Act, 1953 for completion of the Tungabhadra Project and its operation and maintenance.

Tungabhadra Interstate Power Project, has two Inter-State power houses (namely Hampi power house – 4x9 MW and Tungabhadra dam power house – 4x9 MW) on Tungabhadra river. Earlier, the power produced was being shared by the States of Karnataka and undivided Andhra Pradesh.

8.6. Technical Committees

I. Technical Committee constituted for regulation of surplus water during monsoon period spilling from the main stem projects on Krishna river for supply to the States of A.P. and T.S.

As per the deliberations held during the meeting held under the Chairmanship of Secretary, Department of Water Resources, RD & GR at New Delhi on 21.01.2020, a Committee under the chairmanship of Chief Engineer, IMO, CWC was constituted by DoWR, RD&GR, Ministry of Jal Shakti for regulation of surplus water during monsoon period spilling from the main stem projects on Krishna river for supply to the States of Andhra Pradesh and Telangana.

Consequently, Chief Engineer, IMO, ISM-Dte, CWC requested to furnish certain hydrological data/information urgently for analysis. Accordingly, Chief Engineer, ISWR, WRD, GoAP furnished certain data. Telangana has not furnished any data in this regard.

Further, in the 1st meeting of the said Committee held on 13.05.2020, both the States agreed to furnish the data by 31.05.2020. Also the matter was discussed during the 12th meeting of

the Board held on 04.06.2020. Chairman, KRMB asked both the States to furnish all the requisite data immediately to the Committee.

In the letters received from Chief Engineer, ISWR, WRD, GoAP vide letters dated 12.08.2020 & 08.09.2020 it was informed that the report submitted along with the stance of the State of Andhra Pradesh furnished vide letter dated 12.08.2020 itself would suffice for resolving the subject issue.

The Government of Telangana vide letter dated 17.09.2020 informed that Government of Telangana does not agree with the proposal made by Andhra Pradesh for non-accounting of water diverted during spilling period.

KRMB vide letter dated 07.10.2020 addressed a letter to the Senior Jt. Commissioner (PR), DoWR, RD&GR, MoJS duly forwarding above letter dt. 17.09.2020 received from GoTS and furnished the background of the subject issue for further necessary action.

In response, a letter dated 15.10.2020 has been received from Director, ISM-1 Dte, CWC, wherein the point-wise comments were furnished on the GoTS letter dt.17.09.2020. Further, it was mentioned in the letter that, in absence of requisite data, necessary study/analysis regarding availability of surplus waters, at different dependabilities during monsoon period could not be carried out and therefore, the Second meeting of the Committee could not be convened. It was also informed that the recommendation for regulation of surplus water during monsoon period by the present Technical Committee will be a temporary arrangement till the final decision of KWDT-II gets effective and in that case, the decision of the Tribunal on the issue shall be final.

In view of the above, KRMB vide letters dated 22.02.2021 once again requested both the States to expedite furnishing the requisite information / data.

In response, Engineer-in-Chief (General), I&CAD Dept., Govt. of Telangana vide letter dated 01.03.2021 informed that supplying of any data to the Committee is not necessary mentioning that the diversion capabilities of Andhra Pradesh are much more than Telangana. This letter was communicated to CE, IMO, CWC vide KRMB letter dated 12.03.2021 for information and necessary action.

II. Carryover of unutilized share of water by Telangana to the next water year and accounting in the previous water year in terms of liberty granted by KWDT-I under Scheme-A of allocation

Government of Telangana vide letter dated 03.06.2020 requested KRMB to place this item for discussion in the 12th Board meeting. After detailed discussion of the same under agenda item 12.8.6 of 12th meeting of KRMB held on 04.06.2020, Chairman noted that the views of AP will be sought by KRMB.

Accordingly, views of GoAP were sought on the issue which were conveyed vide their letter dated 25.06.2020 in which it was stated that ‘the surplus/unutilized water storage becomes common storage for both the States and need to be shared with the State of Andhra Pradesh’.

The views of GoAP were communicated to Telangana vide KRMB letter dated 29.06.2020. However, Telangana in its letter dated 23.07.2020 reiterated the same stand which was given in their letter dated 03.06.2020.

As the issue could not be resolved because of no consensus, the matter was referred to the Ministry of Jal Shakti, GoI vide KRMB letter dated 14.08.2020 with a request to refer the same to CWC, New Delhi as the issue to be resolved involves primarily Inter-State matters and hydrology in which CWC is having the expertise and specialized directories/organization.

Views of CWC have been received vide letter dated 17.09.2020 through the Ministry of Jal Shakti’s letter dated 08.10.2020 wherein it was mentioned that “Since the Award of KWDT-I was give before bifurcation and considering the combined Andhra Pradesh as one Party, therefore, quoting any Clause of KWDT-I may not be feasible to bifurcated Andhra Pradesh and Telangana States until and unless both the States agree to resolve the same mutually or under guidance of KRMB.

Further, KWDT-II has already been constituted in April, 2004 to review the Award of KWDT-I and the term of KWDT-II was extended as per Clause 89 of the AP Reorganization Act, 2014 to make project-wise specific allocations between Andhra Pradesh and Telangana States. The final decision of KWDT-II is still awaited. Since, KWDT-II is seized of the matter and its Award yet not finalized, either of the aggrieved States may consider referring the issue to KWDT-II for permanent settlement”.

The same was communicated to both the States vide KRMB letter dated 03.11.2020. However, Telangana vide its letter dated 08.12.2020, did not agree for the same and furnished some observations on the views of CWC.

Hence, the views of Ministry were again sought vide KRMB letter dated 31.12.2020 duly enclosing the observations of Govt. of Telangana. In response views of CWC have been received vide letter dated 03.02.2021 through the Ministry of Jal Shakti's letter dated 08.02.2021 wherein it was informed that after considering all the aspects related with the subject, final views of CWC has already been communicated vide letter dated 17.09.2020 and the same are reiterated.

Meanwhile, Govt. of Telangana has again raised the issue vide letter dated 19.02.2021. In this connection, the views of MoJS/ CWC received vide letter dated 08.02.2021 were communicated to Govt. of Telangana vide KRMB letter dated 01.03.2021 for information and necessary action.

In response, ENC (General), I&CAD Dept., GoTS vide letter dated 26.03.2021 did not agree with the views of MoJS/CWC. In this context, KRMB vide its letter dated 01.04.2021 addressed to ENC, TS, informed that the views / stand expressed by CWC / MoJS had already been conveyed vide KRMB letter dated 01.03.2021 and this office has nothing more to add on the subject matter. However, the matter could be discussed in the next meeting of KRMB.

III. Accounting of only 20% of water utilized for Domestic and Municipal Water Supply for Hyderabad Metro Water Supply & Sewerage Board(HMWS&SB) as per clause VII of KWDT-I final order

Clause-VII of Final Order of KWDT-I states that the use for domestic and municipal water supply shall be measured by "20 percent of the quantity of water diverted or lifted from the river or any of its tributaries or from any reservoir, storage or canal".

Quoting the above Clause, Government of Telangana has been requesting to account only 20% of water utilization in domestic and municipal water supply to Hyderabad city.

With respect to the above clause, Government of Andhra Pradesh stated that Clause VII incorporated in the final order of the KWDT I provides for manner of accounting of Domestic & Municipal Water Supply and of Industrial use out of the quantity of waters diverted from any reservoir or lifted from the river, where there is no specific or direct measurement device for accounting for Domestic & Municipal Water Supply and of Industrial use out of the waters diverted or lifted. However, where the diversion is exclusively made for Domestic & Municipal Water Supply and of Industrial use and the measurement for

such specific diversion is made then such quantity as measured is to be accounted for as actual diversion for such specified use and in such a case Clause VII is superfluous.

The issue was discussed in various meetings of the Board. In the 8th meeting of Board, KRMB requested both the State Governments to furnish their views to Chairman, KRMB to enable to take final view. Then, the Chairman, KRMB furnished his views dated 17.07.2018 after studying the views furnished by both the State Governments.

However, the issue could not be resolved and it was raised again in the 11th meeting of KRMB held on 09.01.2020 and 12th meeting of KRMB held on 04.06.2020, wherein it was decided that the issue may be referred to CWC.

In view of the above, KRMB vide letter dated 29.06.2020 requested Chairman, CWC that the matter may please be got examined so as to suggest suitable mechanism in this regard to resolve the issue.

In response, a letter dated 15.07.2020 received from ISM-I, Dte, CWC, wherein it was stated that since the issue could not be resolved amicably by the party States hence the same may be referred to existing KWDT-II in accordance to the final views dated 17.07.2018 of Chairman, KRMB.

The same was forwarded to both the States vide KRMB letter dated 16.07.2020 for information and further necessary action as deemed fit.

In response, Engineer-in-Chief (Irrigation), I&CAD Dept., Govt. of Telangana vide letter dated 27.11.2020 stated that the suggestion of CWC is unjustified and requested to implement the decision of KWDT-I without any further delay.

In this context, KRMB vide letter dated 08.12.2020 requested the Chairman, CWC to convey views/observations of CWC on ENC, TS letter dated 27.11.2020 for taking further necessary action.

IV. Committee for Accounting of losses in Nagarjuna Sagar Left Canal - common to both the States of Andhra Pradesh and Telangana for water year 2020-21.

As per the decision taken in the 10th meeting of the Krishna River Management Board held on 09.08.2019, a committee was constituted on 17.10.2019 for accounting of losses in Nagarjuna Sagar Left Canal- common to both the States of Andhra Pradesh and Telangana for water year 2019-20. The committee conducted field observations during October & November 2019 and submitted its report to KRMB on 05.02.2020. KRMB sent the report to the ENCs of the both the States on for their views on the report vide letter no.

2/27/2018/KRMB/409-410 dated 07.02.2020. However, no observations were received from any State in KRMB.

During the 12th meeting of KRMB held on 04.06.2020, it was decided to take the observations of losses in the NSLC in this water year 2020-21 also by a Committee. Chairman requested Member, TS to regulate the water properly in NSLC to facilitate correct observations by the Committee.

In pursuant to the decision taken in the 12th meeting of KRMB held on 04.06.2020, KRMB constituted a Committee vide OM dated 27.07.2020 after receiving nominations from both the States for accounting of losses in Nagarjuna Sagar left canal for the water year 2020-21.

V. NOTE ON DIVERSION OF GODAVARI WATERS TO KRISHNA BASIN BY ANDHRA PRADESH STATE

There is persistent correspondence by Telangana State on the issue of diversion of Godavari Waters to Krishna Basin viz (i) Share of water from Polavaram Diversion & (ii) Diversion from Pattiseema. Telangana State raised the issue in different forums like Three Member Committee meetings, Board Meetings and 1st Apex Council Meeting held at New Delhi on 21-09-2016. They also presented the same before Expert Committee during their visit to both States from 12-02-2017 to 15-02-2017.

Engineer-in-Chief (Telangana), I&CAD Dept., Govt. of Telangana vide letter dt. 14.02.2020 requested to suggest a mechanism on adhoc-basis to share a quantum of water out of the water diverted through Pattiseema LIS immediately and requested that an adhoc share may be given to Telangana to serve its in basin drought prone areas out of the water diverted from Pattiseema LIS, pending final settlement.

KRMB vide its letter dt. 23.03.2020 addressed to Ministry of Jal Shakti, wherein it was requested that this issue may be examined and to intimate the further course of action as per the decision taken in the meeting held on 15.02.2018.

The issue was discussed during the 12th meeting of KRMB held on 04.06.2020 under agenda item 12.8.7, wherein Principal Secretary, T.S. stated that in the 80 TMC of Godavari water diverted to Krishna through Pattiseema LIS, Telangana has a share in 45 TMC allotted to the erstwhile State of AP. He requested KRMB to apply the decision of the Award and recommend the share of TS in 45 TMC of water.

Special Chief Secretary, A.P. stated that this issue is under consideration of KWDT-II.

Chairman Stated that the issue was discussed in the meeting held in the Ministry of Jal Shakti in February, 2018 and was recorded that the Ministry will examine the issue for taking further course of action. KRMB will submit the opinions of both the States to the Ministry in this regard.

Further, a reminder was also sent vide KRMB letter dt. 30.06.2020.

8.7 Status of DPRs for Financial Year 2020-2021

- 1) The DPR of Rayalaseema Lift Irrigation Scheme was received in KRMB on 11.12.2020. But it was not in prescribed format. Therefore, Govt. of AP has been requested on 17.12.2020 and 08.01.2021 to prepare the DPR as per the guidelines of MoJS for preparation of DPRs of Irrigation and Multipurpose Projects.
- 2) The DPR of Gundrevula Reservoir was received in KRMB on 22.03.2021. But it was not in prescribed format. Therefore, Govt. of AP has been requested on 30.03.2021 to prepare the DPR as per the guidelines of MoJS for preparation of DPRs of Irrigation and Multipurpose Projects.
- 3) The DPR of Guru-Raghavendra LI Scheme was received in KRMB on 22.03.2021. But it was not in prescribed format. Therefore, Govt. of AP has been requested to prepare the DPR as per the guidelines of MoJS for preparation of DPRs of Irrigation and Multipurpose Projects.
- 4) The DPR of RDS Right Canal was received in KRMB on 25.01.2021. But it was not in prescribed format. Therefore, Govt. of AP has been requested on 08.03.2021 to prepare the DPR as per the guidelines of MoJS for preparation of DPRs of Irrigation and Multipurpose Projects.
- 5) The DPR of Vedavathi (Hagari) River LI Scheme received in KRMB on 25.01.2021. But it was not in prescribed format. Therefore, Govt. of AP has been requested on 18.02.2021 to prepare the DPR as per the guidelines of MoJS for preparation of DPRs of Irrigation and Multipurpose Projects.

CHAPTER-9

PARLIAMENT QUESTIONS, RTI, VIP REFERENCES, CAPACITY BUILDING AND COURT CASES

9.1 Parliamentary Questions

During the year 2020-2021, KRMB furnished relevant information/ inputs to the Ministry of Jal Shakti, Department of Water Resources, RD&GR for preparation of replies to eighteen (18) Parliament Questions (Lok Sabha and Rajya Sabha).

9.2 RTI

For implementing RTI Act, 2005 in KRMB, Superintending Engineer was designated as Central Public Information Officer (CPIO) for Krishna River Management Board and Member Secretary was designated as Appellate Authority.

During the year 2020-21, Krishna River Management Board has received twenty two (22) RTI applications from various persons/ organizations and replies have been sent to all the applicants.

9.3 VIP References

KRMB has furnished relevant material to the Ministry of Jal Shakti, Department of Water Resources, RD&GR for replying to two (02) VIP references received during the year 2020-21.

9.4 Capacity Building (Training/ Conference/ Seminar/ Workshops/ Meetings)

1. One Officer attended the DISTANCE LEARNING TRAINING PROGRAM on “Transparency Audit Software Developed by CIC” Conducted by National Water Academy, Pune, 15th January 2021.
2. One Officer attended the TRAINING PROGRAM THROUGH DISTANCE LEARNING on “Google Earth Engine and Its Application in Water Sector” Conducted by National Water Academy, Pune, 15th February 2021 – 19th February 2021.

9.5 Court Cases

During the Financial year 2020-2021, 2 cases filed in the National Green Tribunal (NGT), Southern Zone (SZ), Chennai, were referred to KRMB. Counters have been filed, and the cases are disposed of.

STATUS REPORT OF COURT CASES

Sl. No.	CASE NO.	LIMBS NO.	NAME OF THE COURT	DATE OF FILLING	ISSUES INVOLVED	REMARKS
1	O.A. No. 71 of 2020 (SZ)	694505	NGT, SZ, Chennai	15.05.2020	Regarding the violation committed by the State of Andhra Pradesh in implementing the new Lift Irrigation Project by name Rayalaseema Lift Scheme by providing a major water pumping scheme for extracting water from Srisaillam Reservoir which is being shared by the newly formed State of Telangana and also State of Andhra Pradesh flouting the environmental laws.	Disposed of on 29.10.2020

PLATE-I

Sl. No.	CASE NO.	LIMBS NO.	NAME OF THE COURT	DATE OF FILLING	ISSUES INVOLVED	REMARKS
2	M.A. No. 06 of 2020 (SZ) in O.A. No. 71 of 2020 (SZ)	766173	NGT, SZ, Chennai	14.12.2020	Requesting to take action against the State of Andhra Pradesh for proceeding with the Rayalaseema Lift Irrigation Project against the directions issued by this Tribunal while disposing the case O. A. No. 71/2020(SZ) by Judgment Dated 29.10.2020.	Disposed of on 24.02.2021

CHAPTER-10 OTHER ACTIVITIES

10.1 International Day of Yoga

Hon'ble PM has given a clarion call to celebrate the International Day of Yoga, 2020 (21.06.2020) following the theme of “Yoga at Home; Yoga with family” and maintaining social distancing due to prevailing conditions of Pandemic (COVID-19). As per the D.O. letter No. M-16011/42/2019 dated 18th June 2020 received from M/o AYUSH on the Celebration of 6th International Day of Yoga 2020, the video links of the message of Hon'ble Prime Minister to celebrate the International Day of Yoga 2020 on 21st June 2020 have been provided. The KRMB officials and staff members practiced Yoga by following the video links.

10.2 Hindi Pakhwada

The KRMB celebrated “Hindi Pakhwada” during 3rd to 16th September, 2020 in accordance with Ministry of Home Affairs, Department of Raj Bhasha. During this event various competitions were organized and prizes were distributed to all the winners.



*KRMB Chairman, Member Secretary, Member (Power), Director (F) and SE
participating in Hindi Pakhwada*



KRMB Chairman, Member Secretary, Member(P) and officers participating in Hindi Pakhwada



Prize winners of Hindi Pakhwada competitions

10.3 Swachhta Pakhwada

As per the directions of MoJS, DoWR, RD & GR in the Lr. No. B-11011/1/2021-GA dated 14.01.2021, Swachhta Pakhwada Programme was inaugurated on 16.03.2021 in KRMB, Hyderabad. Swachhta Pledge in English and Hindi was administered to officers and staff of KRMB by Shri A. Paramesham, Chairman. The activities like Cleaning of office tables, workstations, furniture, Disposal of old newspapers, rough papers, Awareness program in public places in front of office premises, displaying placards, Cleaning of Window Glasses, Curtains and Review and Weeding out of all old files are taken up during Swachhta Pakhwada-2021 from 16th to 31st March, 2021 in Krishna River Management Board.



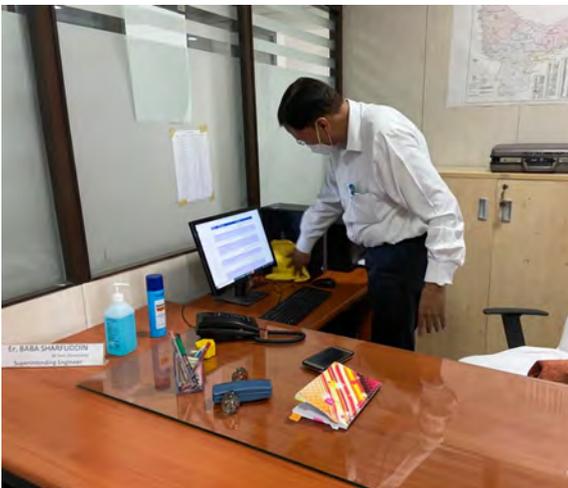
Shri A. Paramesham, Chairman, KRMB administered Swachhta Pledge



ALL the KRMB officials and staff during the Pledge



Cleaning of office premises, Disposal of old newspapers, rough papers and Review and Weeding out of all old files



Cleaning of Office Tables, Workstations, Furniture, Computers, Printers, Xerox Machine, Electrical Switch Boards, Window Glasses, and Curtains etc.



Awareness program with displaying placards in public places (in front of office premises and near Errummanzil Metro Station)

10.4 Awareness campaign focused on Citizens Duties

The Constitution Day also known as “Samvidhan Divas” is celebrated in our country on 26th November every year to commemorate the adoption of the Constitution of India on 26th November 1949.

Krishna River Management Board performed the monthly activity in the month of June 2020 on 29.06.2020 participated by the Shri A. Paramesham, Chairman, Shri L. B. Muanthang, Member Secretary & Member(Power), Smt. B. Prema Kumari, Director(Finance) & Nodal Officer of the Awareness Campaign program on Citizens Duties 2020 and other officials/staff of KRMB.

IEC material like posters and brochures (both in English and Telugu) were distributed among the staff for dissemination of information and arranging for displaying in the office premises. Pledge of preamble of Constitution of India and Fundamental Duties was administered by the Shri A. Paramesham, Chairman, KRMB along with staff of KRMB signing on the banner pledge sign board showing commitment towards it.

The information is shared on social media like website, Facebook, Twitter & Instagram of KRMB for wide publicity as a part of the implementation of the Awareness Campaign Program on Citizens duties 2020 due to the present COVID-19 situation.



Awareness Campaign Program on Citizens' duties 2020 in KRMB



Member Secretary and Staff of KRMB signing on the banner pledge sign board showing commitment towards it.

10.5 Field Visits

No field visits.

रजिस्ट्री सं० डी० एल०—(एन)04/0007/2003—14

REGISTERED NO. DL—(N)04/0007/2003—14



भारत का राजपत्र The Gazette of India

असाधारण

EXTRAORDINARY

भाग II — खण्ड 1

PART II — Section 1

प्राधिकार से प्रकाशित

PUBLISHED BY AUTHORITY

सं० 6] नई दिल्ली, शनिवार, मार्च 1, 2014/ फाल्गुन 10, 1935 (शक)
No. 6] NEW DELHI, SATURDAY, MARCH 1, 2014/PHALGUNA 10, 1935 (SAKA)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।
Separate paging is given to this Part in order that it may be filed as a separate compilation.

MINISTRY OF LAW AND JUSTICE

(Legislative Department)

New Delhi, the 1st March, 2014/Phalguna 10, 1935 (Saka)

The following Act of Parliament received the assent of the President on the 1st March, 2014, and is hereby published for general information:—

THE ANDHRA PRADESH REORGANISATION ACT, 2014

No. 6 OF 2014

[1st March, 2014.]

An Act to provide for the reorganisation of the existing State of Andhra Pradesh and for matters connected therewith.

BE it enacted by Parliament in the Sixty-fifth Year of the Republic of India as follows:—

PART I

PRELIMINARY

1. This Act may be called the Andhra Pradesh Reorganisation Act, 2014. Short title.
2. In this Act, unless the context otherwise requires,— Definitions.
 - (a) “appointed day” means the day which the Central Government may, by notification in the Official Gazette, appoint;
 - (b) “article” means an article of the Constitution;
 - (c) “assembly constituency”, “council constituency” and “parliamentary constituency” have the same meanings as in the Representation of the People Act, 1950;

(5) The report of the Andhra Pradesh Public Service Commission as to the work done by the Commission in respect of any period prior to the appointed day shall be presented under clause (2) of article 323 to the Governors of the States of Andhra Pradesh and Telangana and the Governor of the State of Andhra Pradesh shall, on receipt of such report, cause a copy thereof together with a memorandum explaining as far as possible, as respects the cases, if any, where the advice of the Commission was not accepted, the reasons for such non-acceptance to be laid before the Legislature of the State of Andhra Pradesh and it shall not be necessary to cause such report or any such memorandum to be laid before the Legislative Assembly of the State of Telangana.

PART IX

MANAGEMENT AND DEVELOPMENT OF WATER RESOURCES

Apex Council for Godavari and Krishna river water resources and their Management Boards.

84. (1) The Central Government shall, on and from the appointed day, constitute an Apex Council for the supervision of the functioning of the Godavari River Management Board and Krishna River Management Board.

(2) The Apex Council shall consist of—

- (a) Minister of Water Resources, Government of India—Chairperson;
- (b) Chief Minister of State of Andhra Pradesh—Member;
- (c) Chief Minister of State of Telangana—Member.

(3) The functions of the Apex Council shall include—

(i) supervision of the functioning of the Godavari River Management Board and Krishna River Management Board;

(ii) planning and approval of proposals for construction of new projects, if any, based on Godavari or Krishna river water, after getting the proposal appraised and recommended by the River Management Boards and by the Central Water Commission, wherever required;

(iii) resolution of any dispute amicably arising out of the sharing of river waters through negotiations and mutual agreement between the successor States;

(iv) reference of any disputes not covered under Krishna Water Disputes Tribunal, to a Tribunal to be constituted under the Inter-State River Water Disputes Act, 1956.

33 of 1956.

Constitution and functions of River Management Board.

85. (1) The Central Government shall constitute two separate Boards to be called the Godavari River Management Board and Krishna River Management Board (to be known as the Board), within a period of sixty days from the appointed day, for the administration, regulation, maintenance and operation of such projects, as may be notified by the Central Government from time to time.

(2) The headquarters of Godavari River Management Board shall be located in the successor State of Telangana and of the Krishna River Management Board shall be located in the successor State of Andhra Pradesh.

(3) The Godavari River Management Board and Krishna River Management Board shall be autonomous bodies under the administrative control of the Central Government, and shall comply with such directions as may, from time to time, be given to them by the Central Government.

(4) Each Board shall consist of the following Chairperson and Members, namely:—

- (a) a Chairperson not below the rank or level of Secretary or Additional Secretary to the Government of India to be appointed by the Central Government;

(b) two members, to be nominated by each of the successor States, of which one shall be the technical member not below the rank of Chief Engineer and the other administrative member to represent the concerned States;

(c) one expert to be nominated by the Central Government.

(5) Each Board shall have a full-time Member Secretary, not below the rank of Chief Engineer in the Central Water Commission, to be appointed by the Central Government.

(6) The Central Government shall create such number of posts of the rank of Chief Engineer in the Central Water Commission, as it considers necessary.

50 of 1968. (7) Each Board shall be assisted in the day to day management of reservoirs by the Central Industrial Security Force constituted under the Central Industrial Security Force Act, 1968, on such terms and conditions as the Central Government may specify.

(8) The functions of each Board shall include—

(a) the regulation of supply of water from the projects to the successor States having regard to—

33 of 1956. (i) awards granted by the Tribunals constituted under the Inter-State River Water Disputes Act, 1956;

(ii) any agreement entered into or arrangement made covering the Government of existing State of Andhra Pradesh and any other State or Union territory;

(b) the regulation of supply of power generated to the authority in-charge of the distribution of power having regard to any agreement entered into or arrangement made covering the Government of the existing State of Andhra Pradesh and any other State or Union territory;

(c) the construction of such of the remaining on-going or new works connected with the development of the water resources projects relating to the rivers or their tributaries through the successor States as the Central Government may specify by notification in the Official Gazette;

33 of 1956. (d) making an appraisal of any proposal for construction of new projects on Godavari or Krishna rivers and giving technical clearance, after satisfying that such projects do not negatively impact the availability of water as per the awards of the Tribunals constituted under the Inter-State River Water Disputes Act, 1956 for the projects already completed or taken up before the appointed day; and

(e) such other functions as the Central Government may entrust to it on the basis of the principles specified in the Eleventh Schedule.

86. (1) The Board shall employ such staff as it may consider necessary for the efficient discharge of its functions under this Act and such staff shall, at the first instance, be appointed on deputation from the successor States in equal proportion and absorbed permanently in the Board.

Staff of the Management Board.

(2) The Government of the successor States shall at all times provide the necessary funds to the Board to meet all expenses (including the salaries and allowances of the staff) required for the discharge of its functions and such amounts shall be apportioned between the States concerned in such proportion as the Central Government may, having regard to the benefits to each of the said States, specify.

(3) The Board may delegate such of its powers, functions and duties as it may deem fit to the Chairman of the said Board or to any officer subordinate to the Board.

(4) The Central Government may, for the purpose of enabling the Board to function efficiently, issue such directions to the State Governments concerned, or any other authority, and the State Governments, or the other authority, shall comply with such directions.

Jurisdiction of Board.

87. (1) The Board shall ordinarily exercise jurisdiction on Godavari and Krishna rivers in regard to any of the projects over headworks (barrages, dams, reservoirs, regulating structures), part of canal network and transmission lines necessary to deliver water or power to the States concerned, as may be notified by the Central Government, having regard to the awards, if any, made by the Tribunals constituted under the Inter-State River Water Disputes Act, 1956.

33 of 1956.

(2) If any question arises as to whether the Board has jurisdiction under sub-section (1) over any project referred thereto, the same shall be referred to the Central Government for decision thereon.

Power of Board to make regulations.

88. The Board may make regulations consistent with the Act and the rules made thereunder, to provide for—

- (a) regulating the time and place of meetings of the Board and the procedure to be followed for the transaction of business at such meetings;
- (b) delegation of powers and duties of the Chairman or any officer of the Board;
- (c) the appointment and regulation of the conditions of service of the officers and other staff of the Board;
- (d) any other matter for which regulations are considered necessary by the Board.

Allocation of water resources.

89. The term of the Krishna Water Disputes Tribunal shall be extended with the following terms of reference, namely:—

- (a) shall make project-wise specific allocation, if such allocation have not been made by a Tribunal constituted under the Inter-State River Water Disputes Act, 1956;
- (b) shall determine an operational protocol for project-wise release of water in the event of deficit flows.

33 of 1956.

Explanation.— For the purposes of this section, it is clarified that the project specific awards already made by the Tribunal on or before the appointed day shall be binding on the successor States.

Polavaram Irrigation Project to be a national project.

90. (1) The Polavaram Irrigation Project is hereby declared to be a national project.

(2) It is hereby declared that it is expedient in the public interest that the Union should take under its control the regulation and development of the Polavaram Irrigation Project for the purposes of irrigation.

(3) The consent for Polavaram Irrigation Project shall be deemed to have been given by the successor State of Telangana.

(4) The Central Government shall execute the project and obtain all requisite clearances including environmental, forests, and rehabilitation and resettlement norms.

Arrangements on Tungabhadra Board.

91. (1) The Governments of the successor States of Andhra Pradesh and Telangana shall replace the existing State of Andhra Pradesh on the Tungabhadra Board.

(2) The Tungabhadra Board shall continue to monitor the release of water to High Level Canal, Low Level Canal and Rajolibanda Diversion Scheme.

PART X

INFRASTRUCTURE AND SPECIAL ECONOMIC MEASURES

Successor States to follow principles, guidelines, etc., issued by Central Government.

92. The principles, guidelines, directions and orders issued by the Central Government, on and from the appointed day, on matters relating to coal, oil and natural gas, and power generation, transmission and distribution as enumerated in the Twelfth Schedule shall be implemented by the successor States.

रजिस्ट्री सं० डी० एल०-33004/99

REGD. NO. D. L.-33004/99



भारत का राजपत्र

The Gazette of India

असाधारण

EXTRAORDINARY

भाग II—खण्ड 3—उप-खण्ड (ii)

PART II—Section 3—Sub-section (ii)

प्राधिकार से प्रकाशित

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सं. 1148]

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No.1148]

NEW DELHI, WEDNESDAY, MAY 28, 2014/JYAISTHA 7, 1936

जल संसाधन मंत्रालय

अधिसूचना

नई दिल्ली, 28 मई, मई, 2014

का.आ. 1391(अ).—केन्द्रीय सरकार, आंध्र प्रदेश पुनर्गठन अधिनियम, 2014 (2014 का 6) की धारा 85 की उप-धारा (1), उप-धारा (4) और उप-धारा (5) द्वारा प्रदत्त शक्तियों का प्रयोग करते हुए, कृष्णा नदी पर केन्द्रीय सरकार द्वारा समय-समय पर अधिसूचित की गई परियोजनाओं के प्रशासन, विनियमन, अनुरक्षण और प्रचालन के लिए कृष्णा नदी प्रबंध बोर्ड का गठन करती है, जो निम्नलिखित अध्यक्ष और सदस्यों से मिलकर बनेगा, अर्थात् :-

- | | | |
|-----|---|---------------------------|
| (क) | केन्द्रीय जल अभियांत्रिकी (समूह 'क') सेवा से भारत सरकार के अपर सचिव स्तर का कोई अधिकारी | — अध्यक्ष |
| (ख) | उत्तरवर्ती राज्यों आंध्र प्रदेश और तेलंगाना द्वारा प्रत्येक से नामनिर्दिष्ट दो सदस्य, जिसमें एक तकनीकी सदस्य जो मुख्य अभियंता के रैंक से अन्यून नहीं होगा और अन्य प्रशासनिक सदस्य होगा, जो संबंधित राज्यों का प्रतिनिधित्व करेंगे | — सदस्य |
| (ग) | केन्द्रीय विद्युत अभियांत्रिकी (समूह 'क') सेवा से एक विशेषज्ञ | — सदस्य |
| (घ) | केन्द्रीय जल अभियांत्रिकी (समूह 'क') सेवा से एक अधिकारी, जो मुख्य अभियंता से अन्यून नहीं होगा | — सदस्य सचिव (पूर्णकालिक) |
| 2. | कृष्णा नदी प्रबंध बोर्ड का मुख्यालय हैदराबाद होगा । | |

[फा.सं. 1/1/2014-एसपीआर]

उर्विला खाती, संयुक्त सचिव

2202 GI/2014

(1)

MINISTRY OF WATER RESOURCES**NOTIFICATION**

New Delhi, the 28th May, 2014

S.O. 1391(E).—In exercise of the powers conferred by sub-sections (1), (4) and (5) of Section 85 of the Andhra Pradesh Reorganisation Act, 2014 (6 of 2014), the Central Government hereby constitutes the Krishna River Management Board for the administration, regulation, maintenance and operation of such projects on Krishna river, as may be notified by the Central Government from time to time, consisting of the following Chairperson and Members, namely:—

- | | | | |
|-----|---|---|------------------|
| (1) | An officer of the level of Additional Secretary to the Government of India from the Central Water Engineering (Group 'A') Service | - | Chairperson |
| (2) | Two members, to be nominated by each of the successor States of Telangana and Andhra Pradesh, of which one shall be the technical member not below the rank of Chief Engineer and the other administrative member to represent the concerned States | - | Members |
| (3) | One expert from the Central Power Engineering (Group 'A') Service | - | Members |
| (4) | An Officer not below the rank of Chief Engineer from the Central Water Engineering (Group 'A') Service | - | Member Secretary |
2. The headquarters of the Krishna River Management Board shall be at Hyderabad.

[F. No.1/1/2014-SPR]

URVILLA KHATI, Jt. Secy.

THE ELEVENTH SCHEDULE
[See section 85(8) (e)]

Principles governing the functioning of the River Management Boards

1. The operation protocol notified by the Ministry of Water Resources with respect to water resources arrived at based on appropriate dependability criteria after the adjudication by the Krishna Water Disputes Tribunal shall be binding on both the successor States.
2. In the event of conflicting demand of water for irrigation and power, the requirement of water for irrigation shall take precedence.
3. In the event of conflicting demand of water for irrigation and drinking water, the requirement of water for drinking water purpose shall take precedence.
4. The allocations made by the River Water Tribunals with regard to various projects on Godavari and Krishna Rivers or for the regions of the existing State of Andhra Pradesh, in respect of assured water shall remain the same.
5. Allocations, if any, to be made on excess flows by any Tribunal in future shall be binding on both the State of Telangana and the successor State of Andhra Pradesh.
6. While the successor State Governments shall be responsible for managing natural calamities, the Boards shall advise the two State Governments on the management of disaster or drought or flood in the rivers of Krishna and Godavari, particularly in reference to the release of water for the management and mitigation of the natural calamities. The Boards shall have the full authority to get their orders implemented by the two successor State Governments promptly and effectively in respect of operation of the head works of the dams, reservoirs or head works of canals and works appurtenant thereto including the hydel power projects, as notified by the Central Government, on Krishna and Godavari Rivers.
7. No new projects based on water resources arrived at based on appropriate dependability criteria on Godavari or Krishna rivers can be taken up by the State of Telangana or the State of Andhra Pradesh without obtaining sanction from the Apex Council on River water resources. All such proposals shall be first appraised and technically cleared by the respective Board, before sanction by the said Apex Council.

8. Execution of ongoing projects and future new projects on Godavari and Krishna rivers shall be the responsibility of the State Government concerned where the project is located.
9. In case of non-implementation of the decision by either of the States, the defaulting State shall bear the responsibility and shall face financial and other penalties imposed by the Central Government.
10. The following irrigation projects which are under construction shall be completed as per the plan notified by the existing State of Andhra Pradesh and the water sharing arrangement shall continue as such :-
 - (i) Handri Niva
 - (ii) Telugu Ganga
 - (iii) Galeru Nagiri
 - (iv) Venegondu
 - (v) Kalvakurthi
 - (vi) Nettempadu

File No.R-12011/7/2016-Pen.Riv.

F. No. R-12011/7/2016-Pen.Riv.
Government of India
Ministry of Water Resources,
River Development and Ganga Rejuvenation

353, Krishi Bhawan, New Delhi
Dated the 5th October, 2018

ORDER

Subject: Constitution of Committee to ensure supply of Krishna water to augment drinking water supply to Chennai city- reg.

In partial modification of this Ministry's Order of even number dated 07.09.2018, the Committee to ensure supply of Krishna water to augment drinking water supply to Chennai City is hereby re-constituted with following composition:-

- | | |
|--|--------------------|
| i. Chairman, KRMB | - Chairperson |
| ii. Engineer-in-Chief, WRD, Govt of Maharashtra | - Member |
| iii. Engineer-in-Chief, WRD, Govt of Karnataka | - Member |
| iv. Engineer-in-Chief, WRD, Govt of Tamil Nadu | - Member |
| v. Engineer-in-Chief, I & CAD, Govt of Telangana | - Member |
| vi. Engineer-in-Chief, WRD, Govt of Andhra Pradesh | - Member |
| vii. Chief Engineer, IMO, CWC | - Member |
| viii. Member Secretary, KRMB | - Member-Secretary |

2. Terms of Reference of the Committee, as earlier, are the following:-

- i. To evolve mechanism for accounting:
 - a. the flows to be supplied by the States of Maharashtra and Karnataka as per their shares: and
 - b. the flows to be supplied by the States of Telangana and Andhra Pradesh as per their shares to Chennai city water supply as per the interstate agreements so as to realize the agreed quantities of water at Andhra Pradesh - Tamil Nadu border.
- ii. To ensure drinking water supply of water to Chennai city as per the relevant interstate agreements.
- iii. The committee shall meet at least twice in a year in the months of June and December to ensure supply of 8TMC of water during July to October and 4 TMC of water during January to April to Chennai city.
- iv. The venue of the meeting shall be decided by the Chairperson of the Committee from time to time.


(A.C. MALLICK)

Under Secretary to the Govt. of India
Email: uspenriv-mowr@gov.in / ☎ 011-23383059

To

1. Chairman, Krishna River Management Board
2. Engineer-in-Chief, WRD, Govt of Maharashtra

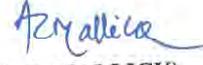
File No.R-12011/7/2016-Pen.Riv.

3. Engineer-in-Chief, WRD, Govt of Karnataka
4. Engineer-in-Chief, WRD, Govt of Tamil Nadu
5. Engineer-in-Chief, I & CAD, Govt of Telangana
6. Engineer-in-Chief, WRD, Govt of Andhra Pradesh
7. Chief Engineer, IMO, CWC
8. Member-Secretary, KRMB

Copy to: Joint Secretary, Inter State Council Secretariat, Ministry of Home Affairs, Vigyan Bhawan, Maulana Azad Road, New Delhi.

Copy for information to :

1. PS to Minister (WR, RD & GR)
2. PS to Secretary (WR, RD & GR)
3. PS to Additional Secretary (WR, RD & GR)



(A.C. MALLICK)

Under Secretary to the Govt. of India
Email: uspenriv-mowr@gov.in / ☎ 011-23383059

Annexure – V

Copy of Minutes of the Meeting Held on 18th - 19th June, 2015 to discuss the issues related to regulation of water by KRMB.

Brief record of the discussion of the meeting held on 18th-19th June, 2015 to discuss issues related to regulation of water by Krishna River Management Board

1. A meeting was held on 18th and 19th June, 2015 under the Chairmanship of Additional Secretary, MoWR, RD & GR to discuss the issues related to regulation of water use by Krishna River Management Board between Andhra Pradesh and Telangana State. In addition to the officials of Ministry of Water Resources, River Development and Ganga Rejuvenation, officials from Government of Telangana and Andhra Pradesh and Krishna River Management Board were present in the meeting.
2. While welcoming the participants, Additional Secretary, MoWR, RD & GR requested the representatives of both the States to present their views in this regard.
3. The representative of Govt. of Andhra Pradesh requested to notify the projects for taking over under the jurisdiction of Krishna River Management Board urgently for the purpose of regulation of water. He also cited that at present the directives of the Board are not followed. Representative of the State of Telangana stated that before taking any decision regarding notification of projects and regulation of water, it is necessary that Broad principles of water regulation and an appropriate implementation mechanism are worked out. In this regard, he highlighted that as per KWDT - I award the erstwhile State of Andhra Pradesh has been allocated 811 TMC for utilization in various projects as enbloc. However, as per the arrangement/various decisions taken by the erstwhile State of Andhra Pradesh revised allocations in both the parts of the State came to be 512 TMC in Andhra Pradesh and 299 TMC in Telangana.
4. The representative of Andhra Pradesh contested that the share of Telangana is only 279 TMC and additional 20 TMC will be available to them for Bhima Lift Project only after the completion of modernization of Krishna Delta System. The representative of Telangana contended that revised allocations statement submitted

by the erstwhile Andhra Pradesh before KWDT - II has to be adhered to by both the States.

5. It was agreed in the meeting that the figures of share of the two States as mentioned in the list of projects dated 18-10-2013 (appended herewith as Annexure) may be followed as the working arrangement for the current year only without prejudice to the rights of the two States about their entitlements which have been raised or to be raised before appropriate fora.
6. The representatives of both the States agreed that they may utilize their share of water wherever they decide subject to availability of water at that place and without affecting the rights of other State.
7. Thereafter, project related issues were discussed and following working arrangements for the water year 2015-2016 only were agreed as a temporary measure.

Nagarjuna Sagar Project

8. After detailed deliberations, it was agreed that the water share of both the States from this project would be as mentioned in the Annexure. KRMB would duly consider the requirements of both Andhra Pradesh as well as Telangana State as per existing practice while regulating the water of Left Bank Canal.
9. It was agreed that while considering the demands of two States the due priority would be given to the drinking water requirements of all the areas including the twin cities of Hyderabad and Secunderabad as per Schedule XI of the AP Reorganisation Act, 2014.

Krishna Delta System

10. As per the Tribunal award, 181.2 TMC of water has been allocated for Krishna Delta Project, i.e. Prakasham Barrage at Vijayawada. However, as per Annexure enclosed the share of Krishna Delta is 151.2 TMC.
11. The water requirements for Krishna Delta are met from intermediate contribution supplemented by NSP. In so far utilizable water yield downstream of Nagarjuna Sagar by Paleru, Munneru and Musi is concerned, Govt. of Andhra Pradesh stated that this is only 20 TMC. According to representative of Govt. of Telangana, this yield is 101.2 TMC. It was agreed that actual utilizable water from intermediate

catchment may be taken into consideration by KRMB while determining releases to Krishna Delta.

The utilizable quantity of water from the intermediate catchment downstream of Nagarjuna Sagar would be assessed by the CWC for consideration of KRMB by taking the flow data from Musi, Paleru and Munneru Streams, storage in Pulichintala and measurement of actual discharges through the canals in Krishna Delta. That quantity shall be deducted from the total allocation and the same shall be supplemented through Nagarjuna Sagar Project for the irrigation and command of Krishna Delta System.

12. The representative of Govt. of Andhra Pradesh mentioned that the cost of Krishna Delta Modernization should be shared by Govt. of Telangana if 20 TMC of water is to be utilized for Bhima Project. Representation of Govt. of Telangana vehemently opposed this idea of cost sharing.
13. It was suggested that the water would be regulated at Nagarjuna Sagar Project duly considering the requirements of its Canal System and requirements of Krishna Delta System.

Srisaïlam Reservoir Project

14. It was noted that there is 5 TMC requirement for Chennai Water Supply (AP and TS share) through Telugu Ganga Canal and another 19 TMC requirement for SRBC. It was agreed that while making releases for power generation the committed utilizations for Nagarjuna Sagar and Srisaïlam Reservoir as mentioned above/in the Annexure may be ensured.

Implementation Mechanism

15. A Committee comprising of E-in-Cs of the two States and Member Secretary of KRMB would consider the indents raised by the project authorities keeping in view of the overall availability of water and requirements raised by the concerned project authorities and make recommendation to KRMB. The decision taken by KRMB shall be implemented by the concerned State project authorities.
16. The above mentioned Committee will also regulate the release of water through KC Canal, Jurala and RDS as mentioned in the Annexure.

17. It was agreed that for current year the quantity of water available after allocation of 811 TMC would be shared proportionately. Similarly, the deficit below 811 TMC would also be shared accordingly.
18. The entire arrangements agreed for the current year would be without any prejudice to the stand of both the States before any forum.

The meeting ended with a Vote of Thanks to the Chair.

Sd/- dt. 19.06.2015
A. N. DAS
Principal Secretary, WRD
Govt. of Andhra Pradesh

Sd/- dt. 19.06.2015
S. K. Joshi
Principal Secretary, I & CAD Dept.
Govt. of Telangana

Sd/- dt. 19.06.2015
Dr. Amarjith Singh
Additional Secretary
Ministry of WR, RD & GR

Appendix to Annexure -V

Andhra Pradesh and Telangana Projects in Krishna Basin

Sl. No.	Name of the Project	As per Bachawat Report	Re-allocation	Region-wise allocations			Total
				Rayalaseema	Coastal Andhra	Telangana	
1	2	3	4	5	6	7	8
I	Specific Projects in Region						
1	Krishna Delta	181.20	152.20	-	152.20	-	152.20
2	Muniyeru Project	3.30	3.30	-	3.30	-	3.30
3	Pakhal Lake	2.60	2.60	-	-	2.60	2.60
4	Wyra	3.70	3.70	-	-	3.70	3.70
5	Palair	4.0	4.0	-	-	4.0	4.0
6	Dindi	3.70	3.50	-	-	3.5	3.5
7	Kurnool-Cuddapah Canal	39.90	31.90	31.90	-	-	31.90
8	Koilsagar	3.90	3.90	-	-	3.90	3.90
9	Tungabhadra Right Bank Low Level Canal	29.50	29.50	29.50	-	-	29.50
10	Tungabhadra Right Bank High Level Canal Stage- I &II	32.50	32.50	32.50	-	-	32.50
11	Rajolibunda Diversion Scheme	15.90	15.90	-	-	15.90	15.90
12	Bhairavanitippa	4.90	4.90	4.90	-	-	4.90
13	Musi	9.40	9.40	-	-	9.40	9.40
14	Lankasagar	1.0	1.0	-	-	1.0	1.0
15	Vaikuntapuram Pumping Scheme	2.60	2.00	-	2.0	-	2.0
16	Kotipallivagu	2.0	2.0	-	-	2.0	2.0
17	Guntur Channel	4.0	4.0	-	4.0	-	4.0
18	Okachettivagu	1.90	1.90	-	-	1.90	1.90
19	Gajuladinne	2.0	2.0	2.0	-	-	2.0
20	Jurala	17.84	17.84	-	-	17.84	17.84

21	Water Supply to twin cities of Secunderabad and Hyderabad	3.90	5.70	-	-	5.70	5.70
22	Minor Irrigation	116.26	111.26	12.24	9.87	89.15	111.26
Total (I)		486.00	445.00	113.04	171.37	160.59	445.00
II	Common Projects						
23	Nagarjuna Sagar Project	281.00	280.00		174.30	105.70	280.00
24	Srisailam(Evaporation losses)	33.00	33.00	11.00	11.00	11.00	33.00
25	Chennai city Water Supply		5.00	1.66	1.67	1.67	5.00
Total(II)		314.00	318.00	12.66	186.97	118.37	318.00
III	New Projects based on savings & return flows						
26	Srisailam Right Branch Canal		19.00	19.00			19.00
27	Pulichintala Project		9.00		9.00		9.00
28	Rajiv (Bhima) Lift Scheme (from Jurala foreshore)		20.00			20.00	20.00
29	Return flows	11.00					
Total(III)		11.00	48.00	19.00	9.00	20.00	48.00
Total (I+II+III)		811.00	811.00	144.70	367.34	298.96	811.00

Note:

1. The above statement is prepared based on the location of the projects for which allocations are made by KWDT-I.
2. Hyderabad water supply scheme was taken up with consumptive use of 3.3 TMC by making reallocations of 0.2 TMC from Dindi Project, 0.6 TMC from Vykuntapuram P.S, 1.0 TMC from Nagarjuna Sagar Project and saving of 1.50 TMC out of 3.9 TMC towards water supply to twin cities. (Govt. of Andhra Pradesh Irrigation Dept G.O.Ms.No.19 dt: 05.02.2003).
3. Bhima Lift Irrigation project in Mahabubnagar District (20 TMC) and Pulichintala project (9 TMC towards evaporation losses) are taken up against the savings proposed

by modernizing the Krishna Delta. (CWC approval vide 64th meeting of the Advisory Committee Letter No.10/27/96-PA (N)/502-550 dt: 16.04.1996).

4. Srisailam Right Branch Canal was taken up with the return flow of 11 TMC allocated by Bachawat Tribunal and 8 TMC by way of savings due to modernization of K.C Canal system. (CWC approval vide 58th meeting of the Advisory Committee letter no.16/27/94-PA (N) dt: 04.07.1994).
5. 5 TMC reallocated towards AP's contribution for Chennai water supply as per the Agreement dated 14.04.1976 among the Govt. of A.P., Karnataka and Maharashtra. This 5 TMC is shown equally among three regions out of minor irrigation allocations.
6. The evaporation loss of 33 TMC for Srisailam reservoir is shown equally among three regions.
7. The allocation of Nagarjuna Sagar Project is shown as per "Nagarjuna Sagar Project, Third Revised Project Estimate 2000" and the evaporation loss is included in proportion to allocations.

Yours faithfully,

Sd/- dt.18.10.2013
Chief Engineer (OSD), IS& WR
For Chief Engineer (OSD)/IS&WR

Annexure - VI

The Canal/ Scheme-wise Drawls of water from Major and Medium Projects (excluding Minor Projects) by Andhra Pradesh & Telangana States during period 2020-21 in TMC as per data available in KRMB office.

Sl. No.	Name of the Project	Water (TMC) drawn by A.P	Water (TMC) drawn by TS	Total Drawal(TMC)
A	Srisaillam Project			
1	MGKLIS		30.397	30.397
2	Pothireddypadu Head Regulator	124.254		124.254
3	HNSS	40.999		40.999
4	Muchumarri LIS	4.516		4.516
5	Chennai water suply	3.333	1.667	5.000
	Total	173.102	32.064	205.166
B	Nagarjuna Sagar Project			
1	HMWS & SB		16.557	16.557
2	AMRP & Flood Flow Canal		36.987	36.987
3	NS Left Canals	30.556	106.326	136.882
4	NS Right Canals	158.197		158.197
5	Krishna Delta System	166.726		166.726
6	Guntur Channel	3.376		3.376
	Total	358.854	159.870	518.724
C	Thungabhadra Project			
1	TBP HLC	26.184		26.184
2	TBP LLC	18.748		18.748
3	KC Canal	36.963		36.963
4	RDS		5.253	5.253
	Total	81.895	5.253	87.148
D	Jurala Project			
1	Jurala Project		26.667	26.667
2	Nettampadu LIS		5.992	5.992
3	Bhima LIS		10.304	10.304
4	Koilasagar LIS		1.298	1.298
	Total	0.000	44.261	44.261
E	Medium Irrigation Projects			
1	Musi		2.261	2.261
2	Pakhal Lake		1.176	1.176
3	Wyra		2.63	2.630

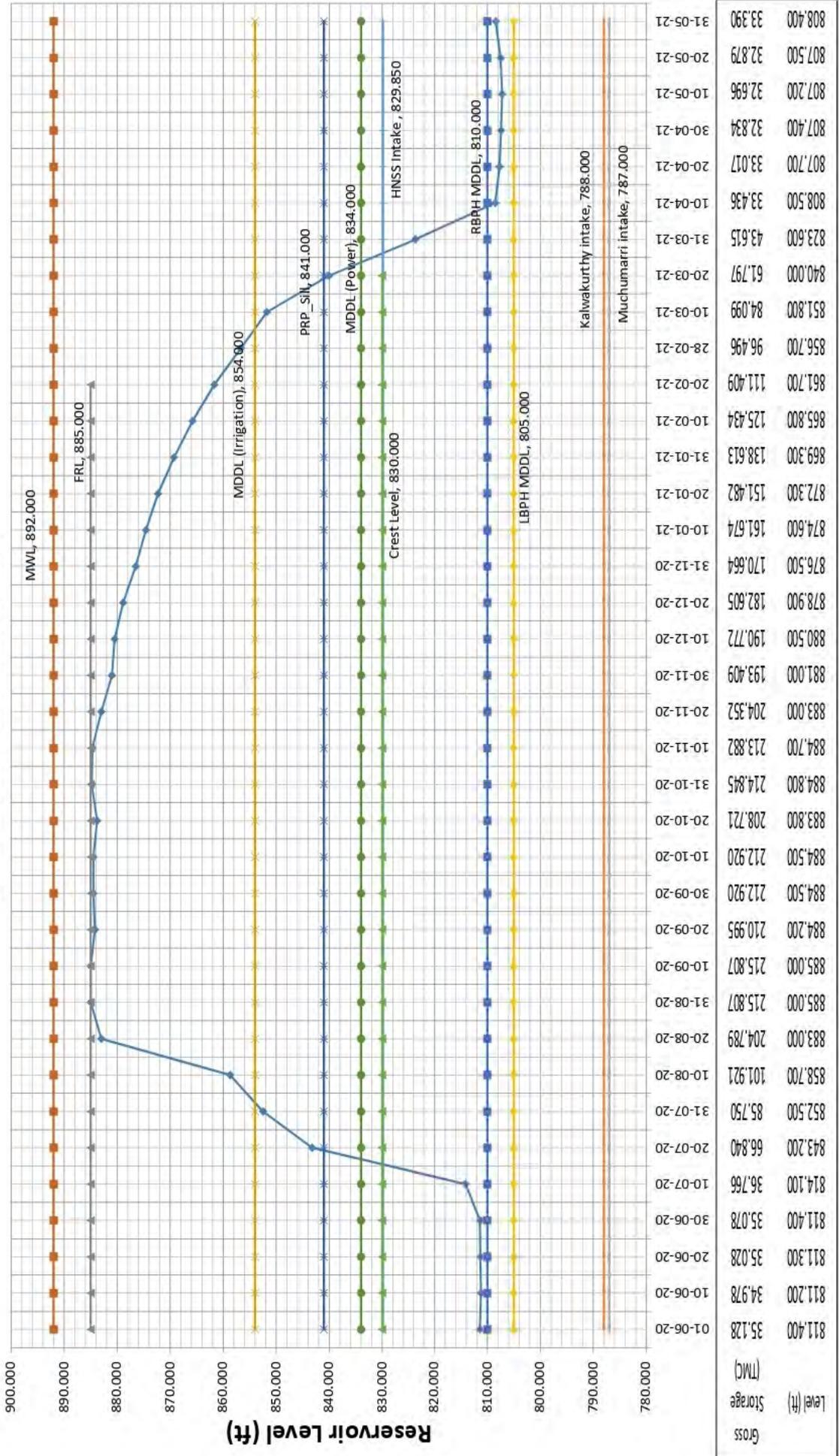
4	Lankasagar		0.521	0.521
5	Dindi		1.961	1.961
6	Palair		3.238	3.238
7	Kotipallivagu		0	0.000
8	Muniyeru	3.498		3.498
9	Gajuladinne	1.586		1.586
10	Pulichintala Project			0.000
11	Bhairavanithippa	0		0.000
12	Sunkesula			0.000
	Total	5.084	11.787	16.871
F	Grand Total (A+B+C+D+E)	618.935	253.235	872.170

Annexure - VII

**Details of Hydro Power Projects on Krishna River in the States of
Andhra Pradesh and Telangana**

Sl. No.	Hydro Power Project	Capacity (MW)	FRL	MDDL	Discharge	Pump mode operation facility	State
1	Priyadarshini Jurala	6 x 39	+318.516 m	+314.86 m	--	--	Telangana
2	Lower Jurala	6 x 40	+299.000 m	+294 .00m	--	--	Telangana
3	Srisaïlam Right Bank	7x110	+269.748m	+254.200m	--	--	Andhra Pradesh
4	Srisaïlam Left Bank	6 x 150	+269.748m	+243.84 m	--	All turbines are of reversible type for pump mode operation	Telangana
5	NagarjunaSagar Dam	1 x 110 + 7 x100.8	+179.832m	+154.230m for conventional and +150.880m for reversible unit	4700 cusec for conventional/4300 cusec per unit for reversible	7 x 100.80 MW turbines are of reversible type for pump mode operation	Telangana
6	Nagarjuna Sagar Right Canal	3 x 30.6	+179.832m	+161.544m	5000 cusec per unit	--	Andhra Pradesh
7	Nagarjuna Sagar Left Canal	2 x 30.6	+179.832m	+167.030m	--	--	Telangana
8	Nagarjuna Sagar Tail pond	2 x25	+75.50m	+74.0m	--	--	Andhra Pradesh
9	Pulichinthala	4 x 30	+53.34 m	+42.67 m	--	--	Telangana

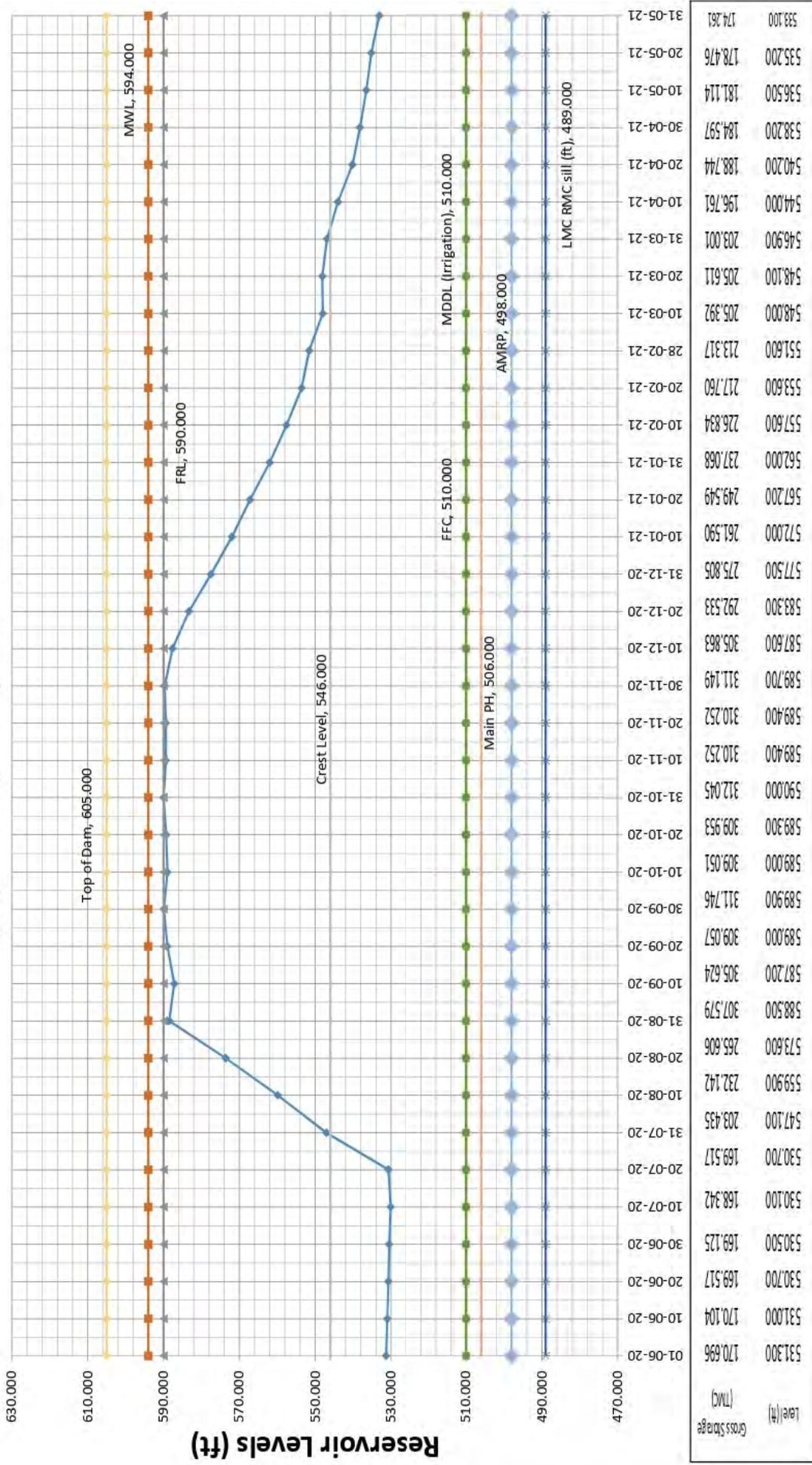
Srisaillam Reservoir 2020-21



10 Daily

Gross Storage (TMC)	Level (ft)
811.400	851.280
811.300	850.280
811.400	850.780
814.100	851.100
843.200	852.200
852.500	855.500
858.700	858.700
883.000	864.789
883.000	865.000
885.000	865.000
885.000	865.000
884.200	865.000
884.500	865.000
884.500	865.000
884.500	865.000
883.800	865.000
884.800	865.000
884.700	865.000
884.700	865.000
204.352	865.000
193.409	865.000
190.772	865.000
182.605	865.000
170.664	865.000
161.674	865.000
151.482	865.000
138.613	865.000
125.434	865.000
111.409	865.000
96.496	865.000
84.099	865.000
61.797	865.000
43.615	865.000
33.436	865.000
33.017	865.000
32.834	865.000
32.696	865.000
32.879	865.000
33.390	865.000

Nagarjuna Sagar Project 2020-21

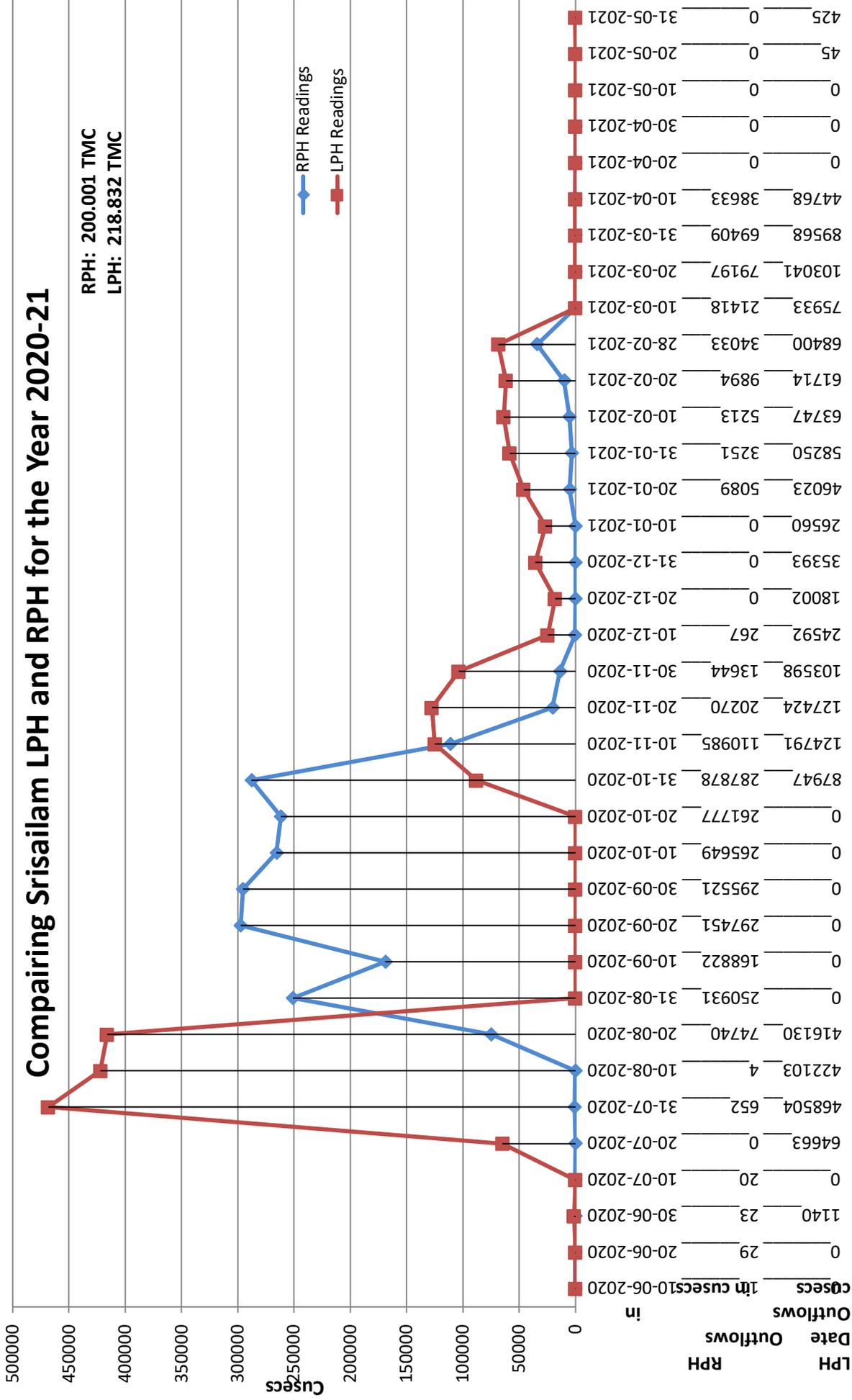


10 Daily

PLATE-III

Comparing Srisailem LPH and RPH for the Year 2020-21

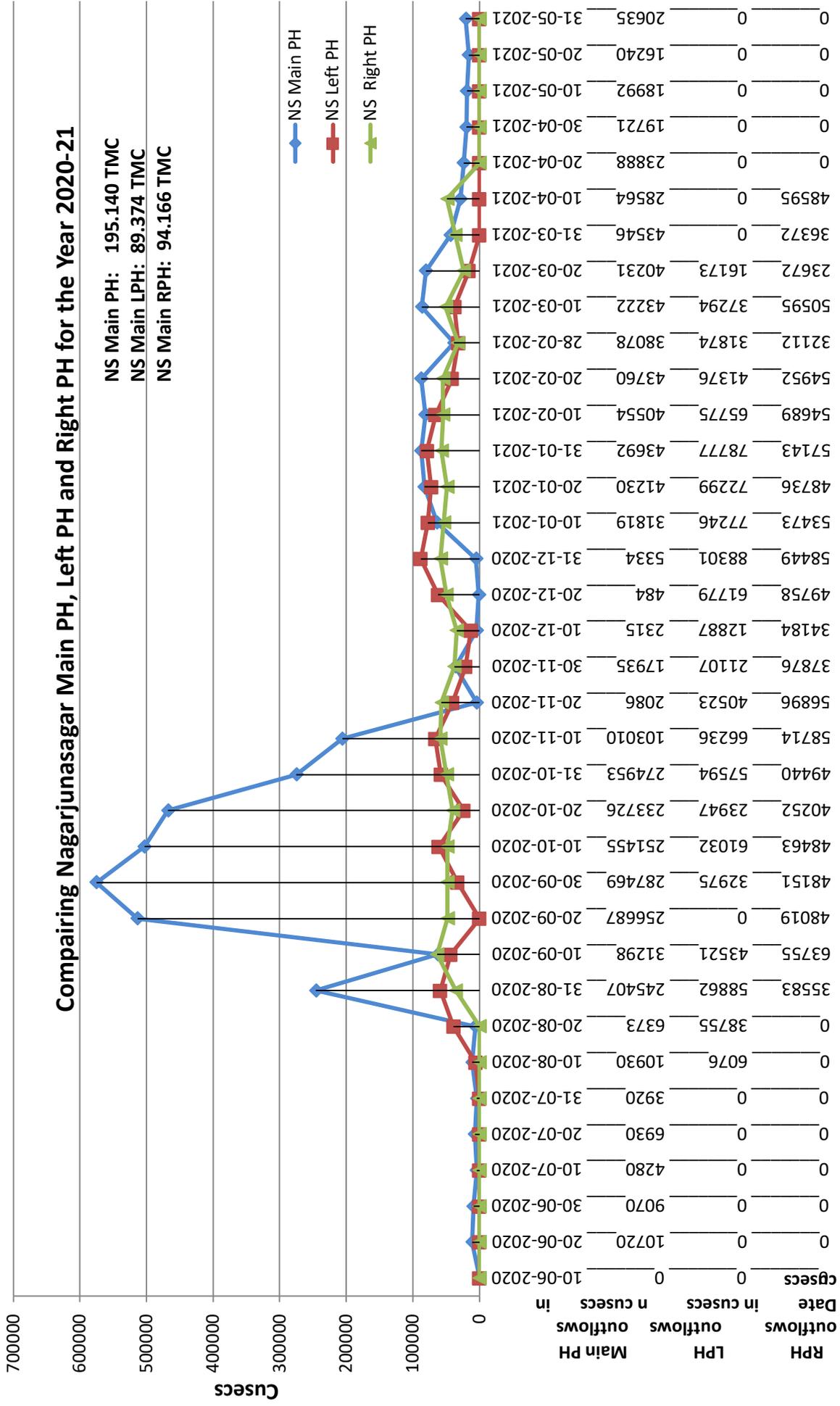
RPH: 200.001 TMC
LPH: 218.832 TMC



Dates and outflows from PH in cusecs

Comparing Nagarjunasagar Main PH, Left PH and Right PH for the Year 2020-21

NS Main PH: 195.140 TMC
 NS Main LPH: 89.374 TMC
 NS Main RPH: 94.166 TMC



Dates and outflows from PH in cusecs



PRAKASHAM BARRAGE

Krishna River Management Board

5th Floor, Jalasoudha, Errum-Manzil,

Hyderabad – 500 082

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Website: <https://krmb.gov.in>