रजिस्ट्री सं० डी-(डी)-72

REGISTERED No. D-(D)-72



भारत का राजपत्र
The Gazette of India

असाधारण

EXTRAORDINARY

भाग II—खण्ड 3—उपखण्ड (ii)

PART II—Section 3—Sub-section (ii)

प्राधिकार से प्रकाशित

PUBLISHED BY AUTHORITY

सं० 256] नई दिल्ली, सोमवार, मई 31, 1976/ज्येष्ठ 10, 1898

No. 256] NEW DELHI, MONDAY, MAY 31, 1976/JYAISTHA 10, 1898

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 AGRICULTURE AND IRRIGATION

(Department of Irrigation)

NOTIFICATION

New Delhi, the 31st May 1976

S.O. 364(E).—Whereas the Central Government had constitute by notification No. S.O. 1419, dated 10th April, 1969, issued under section 4 of the Inter-State Water Disputes Act, 1956 (33 of 1956), the Krishna Water Disputes Tribunal to adjudicate upon the water dispute regarding the inter-State river, Krishna, and the river valley thereof;

And whereas the said Tribunal investigated the matters referred to it and forwarded to the Central Government, under sub-section (2) of section 5 of the said Act, a report setting out the facts as found by it and giving its decision on the matters referred to it;

And whereas upon consideration of the said decision, the Central Government and the Governments of Andhra Pradesh, Karnataka and Maharashtra made references to the said Tribunal under sub-section (3) of section 5 of the said Act and the Tribunal has, on such references, forwarded to the Central Government under that sub-section a further report giving such explanations and guidance as it deemed fit;

Now, therefore, in exercise of the powers conferred by section 6 of the said Act, the Central Government hereby publishes the decision of the said Tribunal as modified by the Tribunal with reference to the explanations and guidance given in its further report.

DECISION OF THE TRIBUNAL AS MODIFIED BY THE EXPLANATIONS AND GUIDANCE GIVEN IN ITS FURTHER REPORT

"The Tribunal hereby passes the following Order:—

Clause I

This Order shall come into operation on the date of the publication of the decision of this Tribunal in the Official Gazette under section 6 of the Inter-State Water Disputes Act, 1956.

Clause II

The Tribunal hereby declares that the States of Maharashtra, Karnataka and Andhra Pradesh will be free to make use of underground water within their respective State territories in the Krishna river basin.

This declaration shall not be taken to alter in any way the rights, if any, under the law for the time being in force of private individuals, bodies or authorities.

Use of underground water by any State shall not be reckoned as use of the water of the river Krishna.

Clause III

The Tribunal hereby determines that, for the purpose of this case, the 75 per cent dependable flow of the river Krishna up to Vijayawada is 2060 T.M.C.

The Tribunal considers that the entire 2060 T.M.C. is available for distribution between the States of Maharashtra, Karnataka and Andhra Pradesh.

The Tribunal further considers that additional quantities of water as mentioned in sub-Clauses A(ii), A(iii), A(iv), B(ii), B(iii), B(iv), C(ii), C(iii) and C(iv) of Clause V will be added to the 75 per cent dependable flow of the river Krishna up to Vijayawada on account of return flows and will be available for distribution between the States of Maharashtra, Karnataka and Andhra Pradesh.

Clause IV

The Tribunal hereby orders that the waters of the river Krishna be allocated to the three States of Maharashtra, Karnataka and Andhra Pradesh for their beneficial use to the extent provided in Clause V and subject to such conditions and restrictions as are mentioned hereinafter.

Clause V

(A) The State of Maharashtra shall not use in any water year more than the quantity of water of the river Krishna specified hereunder:—

(i) as from the water year commencing on the 1st June next after the date of the publication of the decision of the Tribunal in the Official Gazette upto the water year 1982-83.

560 T.M.C.

(ii) as from the water year 1983-84 up to the water year 1989-90

560 T.M.C. plus

a quantity of water equivalent to 10 per cent of the excess of the average of the annual utilisations for irrigation in the Krishna river basin during the water years 1975-76, 1976-77 and 1977-78 from its own projects using 3 T.M.C. or more annually over the utilisations for such irrigation in the water year 1968-69 from such projects.

(iii) as from the water year 1990-91 up to the water year 1997-98

560 T.M.C. plus

a quantity of water equivalent to 10 per cent of the excess of the average of the annual utilisations for irrigation in the Krishna river basin during the water years 1982-83, 1983-84 and 1984-85 from its own projects using 3 T.M.C. or more annually over the utilisations for such irrigation in the water year 1968-69 from such projects.

(iv) as from the water year 1998-99 onwards

560 T.M.C. plus

a quantity of water equivalent to 10 per cent of the excess of the average of the annual utilisations for irrigation in the Krishna river basin during the water years 1990-91, 1991-92 and 1992-93 from its own projects using 3 T.M.C. or more annually over the utilisations for such irrigation in the water year 1968-69 from such projects.

(B) The State of Karnataka shall not use in any water year more than the quantity of water of the river Krishna specified hereunder:—

(i) as from the water year commencing on the 1st June next after the date of the publication of the decision of the Tribunal in the Official Gazette up to the water year 1982-83

700 T.M.C.

(ii) as from the water year 1983-84 up to the water year 1989-90

700 T.M.C. plus

a quantity of water equivalent to 10 per cent of the excess of the average of the annual utilisations for irrigation in the Krishna river basin during the water years 1975-76, 1976-77 and 1977-78 from its own projects using 3 T.M.C. or more annually over the utilisations for such irrigation in the water year 1968-69 from such projects.

(iii) as from the water year 1990-91 up to the water year 1997-98

700 T.M.C. plus

a quantity of water equivalent to 10 per cent of the excess of the average of the annual utilisations for irrigation in the Krishna river basin during the water years 1982-83, 1983-84 and 1984-85 from its own projects using 3 T.M.C. or more annually over the utilisations for such irrigation in the water year 1968-69 from such projects.

(iv) as from the water year 1998-99 onwards

700 T.M.C. plus

a quantity of water equivalent to 10 per cent of the excess of the average of the annual utilisations for irrigation in the Krishna river basin during the water years 1990-91, 1991-92 and 1992-93 from its own projects using 3 T.M.C. or more annually over the utilisations for such irrigation in the water year 1968-69 from such projects.

(C) The State of Andhra Pradesh will be at liberty to use in any water year the remaining water that may be flowing in the river Krishna but thereby it shall not acquire any right whatsoever to use in any water year nor be deemed to have been allocated in any water year water of the river Krishna in excess of the quantity specified hereunder:—

(i) as from the water year commencing on the 1st June next after the date of the publication of the decision of the Tribunal in the Official Gazette up to the water year 1982-83.

800 T.M.C.

(ii) as from the water year 1983-84 up to the water year 1989-90

800 T.M.C. plus

a quantity of water equivalent to 10 per cent of the excess of the average of the annual utilisations for irrigation in the Krishna river basin during the water years 1990-91, 1991-92 and 1992-93 from its own projects using 3 T.M.C. or more annually over the utilisations for such irrigation in the water year 1968-69 from such projects.

(iii) as from the water year 1990-91 up to the water year 1997-98

800 T.M.C. plus

a quantity of water equivalent to 10 per cent of the excess of the average of the annual utilisations for irrigation in the Krishna river basin during the water years 1982-83, 1983-84 and 1984-85 from its own projects using 3 T.M.C. or more annually over the utilisations for such irrigation in the water 1968-69 from such projects.

(iv) as from the water year 1998-99 onwards

800 T.M.C. plus

a quantity of water equivalent to 10 per cent of the excess of the average of the annual utilisations for irrigation in the Krishna river basin during the water years 1990-91, 1991-92 and 1992-93 from its own projects using 3 T.M.C. or more annually over the utilisations for such irrigation in the water year 1968-69 from such projects.

(D) For the limited purpose of this Clause, it is declared that—

(i) the utilisations for irrigation in the Krishna river basin in the water year 1968-69 from projects using 3 T.M.C. or more annually were as follows:—

From projects of the State of Maharashtra	61.45 T. M. C.
From projects of the State of Karnataka	176.05 T. M. C.
From projects of the State of Andhra Pradesh	170.00 T. M. C.

(ii) annual utilisations for irrigation in the Krishna river basin in each water year after this Order comes into operation from the projects of any State using 3 T.M.C. or more annually shall be computed on the basis of the records prepared and maintained by that State under Clause XIII.

(iii) evaporation losses from reservoirs of projects using 3 T.M.C. or more annually shall be excluded in computing the 10 per cent figure of the average annual utilisations mentioned in sub-Clauses A(ii), A(iii), A(iv), B(ii), B(iii), B(iv), C(ii), C(iii) and C(iv) of this clause.

Clause VI

Beneficial use shall include any use made by any State of the waters of the river Krishna for domestic, municipal irrigation, industrial, production of power, navigation, pisciculture, wild life protection and recreation purposes.

Clause VII

(A) Except as provided hereunder a use shall be measured by the extent of depletion of the waters of the river Krishna in any manner whatsoever including losses of water by evaporation and other natural causes from man made reservoirs and other works without deducting in the case of use for irrigation the quantity of water that may return after such use to the river.

The water stored in any reservoir across any stream of the Krishna river system shall not of itself be reckoned as depletion of the water of the stream except to the extent of the losses of water from evaporation and other natural causes from such reservoir. The water diverted from such reservoir by any State for its own use in any water year shall be reckoned as use by that State in that water year.

The uses mentioned in column No. 1 below shall be measured in the manner indicated in column No. 2.

Use	*Measurement*
Domestic and municipal water supply.	By 20 per cent of the quantity of water diverted or lifted from the river or any of its tributaries or from any reservoir, storage or canal.
Industrial use.	By 2.5 per cent of the quantity of water diverted or lifted from the river or any of its tributaries or from any reservoir, storage or canal.

(B) Diversion of the waters of the river Krishna by one State for the benefit of another State shall be treated as diversion by the State for whose benefit the diversion is made.

Clause VIII

(A) If in any water year any State is not able to use any portion of the water allocated to it during that year on account of the non-development of its projects or damage to any of its projects or does not use it for any reason whatsoever, that State will not be entitled to claim the unutilised water in any subsequent water year.

(B) Failure of any State to make use of any portion of the water allocated to it during any water year shall not constitute forfeiture or abandonment of its share of water in any subsequent water year nor shall it increase the share of any other State in any subsequent water year even if such State may have used such water.

Clause IX

As from the 1st June next after the date of the publication of the decision of the Tribunal in the Official Gazette

(A) Out of the water allocated to it, the State of Maharashtra shall not use in any water year—

(i) more than 7 T.M.C. from the Ghataprabha (K-3) sub-basin.

(ii) more than the quantity of water specified hereunder from the main stream of the river Bhima

(a) as from the water year commencing on the 1st June next after the publication of the decision of the Tribunal in the Official Gazette up to the water year 1989-90 90 T.M.C.

(b) as from the water year 1990-91 95 T.M.C.

(B) Out of the water allocated to it the State of Karnataka shall not use in any water year—

(i) more than the quantity of water specified hereunder from the Tungabhadra (K-8) sub-basin.

(a) as from the water year commencing on the 1st June next after the date of the publication of the decision of the Tribunal in the Official Gazette up to the water year 1982-83 295 T.M.C.

(b) as from the water year 1983-84 up to the water year 1989-90

295 T.M.C. plus

a quantity of water equivalent to 7½ per cent of the excess of the average of the annual utilisations for irrigation, in the Krishna river basin during the water years 1975-76, 1976-77 and 1977-78 from its own projects using 3 T.M.C. or more annually over the utilisations from such irrigation in the water year 1968-69 from such projects.

(c) as from the water year 1990-91 up to the water year 1997-98

295 T.M.C. plus

a quantity of water equivalent to 7½ per cent of excess of the average of the annual utilisations for irrigation in the Krishna river basin during the water years 1982-83, 1983-84 and 1984-85 from its own projects using 3 T.M.C. or more annually over the utilisations for such irrigation in the water year 1968-69 from such projects.

(d) as from the water year 1998-99 onwards

295 T.M.C. plus

a quantity of water equivalent to 7½ per cent of the excess of the average of the annual utilisations for irrigation in the Krishna river basin during the water years 1990-91, 1991-92 and 1992-93 from its own projects using 3 T.M.C. or more annually over the utilisations for such irrigation in the water year 1968-69 from such projects.

For the limited purpose of this sub-Clause, it is declared that—

the utilisation for irrigation in the Krishna river basin in the water year 1968-69 from projects of the State of Karnataka using 3 T.M.C. or more annually shall be taken to be 176.05 T.M.C.

annual utilisations for irrigation in the Krishna river basin in each water year after this Order comes into operation from the projects of the State of Karnataka using 3 T.M.C. or more annually shall be computed on the basis of the records prepared and maintained by that State under Clause XIII.

evaporation losses from reservoirs of projects using 3 T.M.C. or more annually shall be excluded in computing the $7\frac{1}{2}$ per cent figure of the average annual utilisations mentioned above.

(ii) more than 42 T.M.C. from the Vedavathi (K-9) sub-basin and

(iii) more than 15 T.M.C. from the main Stream of the river Bhima.

(C) Out of the water allocated to it, the State Andhra Pradesh shall not use in any water year—

(i) more than 127.5 T.M.C. from the Tungabhadra (K-8) sub-basin and more than 12.5 T.M.C. from the Vedavathi (K-9) sub-basin

(ii) more than 6 T.M.C. from the catchment of the river Kagna in the State of Andhra Pradesh.

(D) (i) The uses mentioned in sub-Clauses (A), (B) and (C) aforesaid include evaporation losses.

(ii) The use mentioned in sub-Clause (C) (i) does not include use of the water flowing from the Tungabhadra into the river Krishna.

(E) (1) The following directions shall be observed for use of the water available for utilisation in the Tungabhadra Dam in a water year—

(a) The water available for utilisation in a water year in the Tungabhadra Dam shall be so utilised that the demands of water for the following Projects to the extent mentioned below may be met:—

(i) Tungabhadra Right Bank Low Level Canal . . .	52·00	T.M.C.
Water available for Tungabhadra Right Bank Low Level Canal shall be shared by the States of Karnataka and Andhra Pradesh in the following proportion :		
State of Karnataka	22·50	
State of Andhra Pradesh	29·50	
(ii) Tungabhadra Right Bank High Level Canal—Stages I & II .	50·00	T.M.C.
Water available for Tungabhadra Right Bank High Level Canal shall be shared by the States of Karnataka and Andhra Pradesh in the following proportion :		
State of Karnataka	17·50	
State of Andhra Pradesh	32·50	
(iii) Tungabhadra Left Bank Low Level and High Level Canals .	102·00	T.M.C.
(iv) Raya and Basavanna Channels of the State of Karnataka .	7·00	T.M.C.
(v) Assistance by way of regulated discharges to Vijayanagar Channels other than Raya and Basavanna Channels of the State of Karnataka	2·00	T.M.C.
(vi) Assistance by way of regulated discharges to the Rajolibunda Diversion Scheme for use by the States of Karnataka and Andhra Pradesh in the proportion mentioned in Clause XI(C) .	7·00	T.M.C.
(vii) Assistance by way of regulated discharges to the Kurnool-Cuddapah Canal of the State of Andhra Pradesh .	10·00	T.M.C.
	230·00	T.M.C.

The utilisations of the Projects mentioned in sub-Clauses (a) (i), (ii) and (iii) above include the evaporation losses in the Tungabhadra Dam which will be shared in accordance with Clause XI(D).

(b) If, in any water year, water available for utilisation in the Tungabhadra Dam is less than the total quantity of water required for all the Projects as mentioned above, the deficiency shall be shared by all the Projects proportionately. The proportions shall be worked out after excluding the evaporation losses.

(c) If, in any water year, water available for utilisation is more than the total quantity of water required for all the Projects as mentioned above, the requirements for all the Projects for the month of June in the succeeding water year as estimated by the Tungabhadra Board or any authority established in its place shall be kept in reserve and the State of Karnataka shall have the right to utilise the remaining water in excess of such reserve in the Tungabhadra Dam for its Projects mentioned in sub-Clauses (a) (i), (ii) and (iii) above drawing water from that dam even though thereby it may cross in any water year the limit on the utilisation of water from Tungabhadra (K-8) sub-basin placed under Clause IX(B) of the Final Order but in no case such utilisation shall exceed 320 T.M.C.

(d) The balance water, if any, shall be kept stored in the dam for use in the next year.

(2) The working tables for the utilisation of the water in the Tungabhadra Dam shall be prepared as hithertofore by the Tungabhadra Board or any other authority established in its place so as to enable the States of Karnataka and Andhra Pradesh to utilise the water available for utilisation in the Tungabhadra Dam as aforesaid.

(3) If, in any water year, either of the two States of Karnataka and Andhra Pradesh finds it expedient to divert the water available to it in the Tungabhadra Dam for any one of its Projects to any other of its Project or Projects mentioned above for use therein, it may give notice thereof to the Tungabhadra Board or any other authority established in its place and the said Board or authority may, if it is feasible to do so, prepare or modify the working table accordingly.

(4) The States of Karnataka and Andhra Pradesh may use the water available in the Tungabhadra Dam in accordance with the aforesaid provisions and nothing contained in Clause V shall be construed as overriding the provisions of Clause IX(E) in the matter of utilisation of the water available in the Tungabhadra Dam nor shall anything contained in Clause IX(E) be construed as enlarging the total allocation to the State of Karnataka or as enlarging the limit of acquisition of any right by the State of Andhra Pradesh in the waters of the river Krishna.

(5) The States of Karnataka and Andhra Pradesh may by agreement without reference to the State of Maharashtra alter or modify any of the provisions for the utilisation of the water available in the Tungabhadra Dam mentioned above in any manner.

Clause X

(1) The State of Maharashtra shall not out of the water allocated to it divert or permit the diversion of more than 67.5 T.M.C. of water outside the Krishna river basin in any water year from the river supplies in the Upper Krishna (K-1) sub-basin for the Koyna Hydel Project or any other project:

Provided that the State of Maharashtra will be at liberty to divert outside the Krishna river basin for the Koyna Hydel Project water to the extent of 97 T.M.C. annually during the period of 10 years commencing on the 1st June, 1974 and water to the extent of 87 T.M.C. annually during the next period of 5 years commencing on the 1st June, 1984 and water to the extent of 78 T.M.C. annually during the next succeeding period of 5 years commencing on the 1st June, 1989.

(2) The State of Maharashtra shall not out of the water allocated to it divert or permit diversion outside the Krishna river basin from the river supplies in the Upper Bhima (K-5) sub-basin for the Projects collectively known as the Tata Hydel Works or any other project of more than 54.5 T.M.C. annually in any one water year and more than 213 T.M.C. in any period of five consecutive water years commencing on the 1st June, 1974.

(3) Except to the extent mentioned above, the State of Maharashtra shall not divert or permit diversion of any water out of the Krishna river basin.

Clause XI

(A) This Order will supersede—

(i) the agreement of 1892 between Madras and Mysore so far as it related to the Krishna system;

(ii) the agreement of 1933 between Madras and Mysore so far as it related to the Krishna river system;

(iii) the agreement of June, 1944 between Madras and Hyderabad;

(iv) the agreement of July, 1944 between Madras and Mysore so far as it related to the Krishna river system;

(v) the supplemental agreement of December, 1945 among Madras, Mysore and Hyderabad;

(vi) the supplemental agreement of 1946 among Madras, Mysore and Hyderabad.

Copies of the aforesaid agreements are appended to the Report of the Tribunal.

(B) The regulation set forth in Annexure 'A' to this Order regarding protection to the irrigation works in the respective territories of the States of Karnataka and Andhra Pradesh in the Vedavathi sub-basin be observed and carried out.

(C) The benefits of utilisations under the Rajolibunda Diversion Scheme be shared between the States of Karnataka and Andhra Pradesh as mentioned herein below:—

Karnataka	..	1.2 T.M.C.
Andhra Pradesh	..	15.9 T.M.C.

(D) The reservoir loss of Tungabhadra reservoir shall be shared equally by the works of the State of Karnataka on the left side and the works on the right side of the reservoir. The half share of the right side in the reservoir loss shall be shared by the States of Andhra Pradesh and Karnataka in the ratio of 5.5 to 3.5.

Clause XII

The regulations set forth in Annexure 'B' to this Order regarding gauging and gauging sites in the Krishna river system be observed and carried out.

Clause XIII

(A) Each State shall prepare and maintain annually for each water year complete detailed and accurate records of—

(a) annual water diversions outside the Krishna river basin.

(b) annual uses for irrigation from the irrigation works using less than 1 T.M.C. annually.

(c) annual uses for irrigation from all other projects and works.

(d) annual uses for domestic and municipal water supply.

(e) annual uses for industrial purposes.

(f) annual uses for irrigation within the Krishna river basin from projects using 3 T.M.C. or more annually.

(g) areas irrigated and duties adopted for irrigation from irrigation works using less than 1 T.M.C. annually.

(h) estimated annual evaporation losses from reservoirs and storages using 1 T.M.C. or more annually.

(i) formulae used and co-efficient adopted for measuring discharges at project sites.

Each State shall send annually to the other States a summary abstract of the said records.

The said records shall be open to inspection of the other States through their accredited representatives at all reasonable times and at a reasonable place or places.

(B) The records of gauging mentioned in Annexure 'B' to this Order shall be open to inspection of all the States through their accredited representatives at all reasonable times and at a reasonable place or places.

Clause XIV

(A) At any time after the 31st May, 2000, this Order may be reviewed or revised by a competent authority or Tribunal, but such review or revision shall not as far as possible disturb any utilisation that may have been undertaken by any State within the limits of the allocation made to it under the foregoing Clauses.

(B). In the event of the augmentation of the water of the river Krishna by the diversion of the waters of any other river, no State shall be debarred from claiming before any authority or Tribunal even before the 31st May, 2000 that it is entitled to a greater share in the waters of the river Krishna on account of such augmentation nor shall any State be debarred from disputing such claim.

Clause XV

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

Clause XVI

In this Order,

(a) Use of the water of the river Krishna by any person or entity of any nature whatsoever within the territories of a State shall be reckoned as use by that State.

(b) the expression "water year" shall mean the year commencing on 1st June and ending on 31st May.

(c) The expression "Krishna river" includes the main stream of the Krishna river, all its tributaries and all other streams contributing water directly or indirectly to the Krishna river.

(d) The expression "T.M.C." means thousand million cubic feet of water.

Clause XVII

Nothing contained herein shall prevent the alteration, amendment or modification of all or any of the foregoing clauses by agreement between the parties or by legislation by Parliament.

Clause XVIII

(a). The Governments of Maharashtra, Karnataka and Andhra Pradesh shall bear their own costs of appearing before the Tribunal. The expenses of the Tribunal shall be borne and paid by the Governments of Maharashtra, Karnataka and Andhra Pradesh in equal shares. These directions relate to the reference under section 5(1) of the Inter-State Water Disputes Act, 1956.

(B). The Government of India and the Governments of Maharashtra, Karnataka and Andhra Pradesh shall bear their own costs of appearing before the Tribunal in the references under section 5(3) of the said Act. The expenses of the Tribunal in respect of the aforesaid references shall be borne and paid by the Governments of Maharashtra, Karnataka and Andhra Pradesh in equal shares.

(Sd.) R. S. BACHAWAT—*Chairman*

27th May, 1976.

(Sd.) D. M. BHANDARI—*Member*

(Sd.) D. M. SEN—*Member*

ANNEXURE A

Regulations regarding protection to irrigation works in the respective territories of the States of Karnataka and Andhra Pradesh in Vadavathy sub-basin

The State of Karnataka will not put up any new work on the streams mentioned in Schedule (1) within the limits shown in the said Schedule and marked in the map appended herewith, without the previous consent of Andhra Pradesh to protect the irrigation interests under the existing irrigation works in Andhra Pradesh and similarly the State of Andhra Pradesh will not put up any new work on the streams mentioned in Schedule (2) within the limits shown in the said Schedule and marked in the map appended herewith, without the previous consent of the State of Karnataka to protect the irrigation interests under the existing irrigation works in the State of Karnataka.

The State of Karnataka will not put up any new construction on Suvarnamukhi river so as to affect the supply of Agali tank in Andhra Pradesh for the irrigation of an ayacut of 884 acres, the supplies for which are drawn from the Agali Anicut in the State of Karnataka.

SCHEDULE—I

List of streams on which no new constructions should be undertaken by the State of Karnataka without the previous consent of Andhra Pradesh

Sl. No.	Name of the Stream or Catchment	Location in the Map	Limits within which no new construction should be undertaken by Karnataka without the previous consent of Andhra Pradesh.
1	Hagari (Vedavathy) . . .	A	From Vanivilas Sagar in Karnataka upto Bhaira-Vanithippa Dam in Andhra pradesh.
2	Doddori tank halla (Garanihalla) .	B	4½ miles upstream of confluence with Hagari.
3	Talak tank halla (Garanihalla) .	C	From the Salem-Bellary road bridge over this stream upto confluence with Hagari.
4	Chinnahagari	D	Upto 16 miles upstream from Karnataka-Andhra Pradesh boundary.
5	Amarapuram tank catchment . . .	E	Catchment of Amarapuram tank in the State of Karnataka.
6	Virapasamudram tank catchment .	F	Catchment of Virapasamudram tank in the State of Karnataka.
7	Yeradkere tank catchment . . .	G	Catchment of Yeradkere tank in the State of Karnataka.
8	Rangasamudram tank catchment .	H	Catchment of Rangasamudram tank in the State of Karnataka.
9	Nagalapuram tank catchment .	I	Catchment of Nagalapuram tank in the State of Karnataka.

SCHEDULE—II

List of streams on which no new constructions should be undertaken by the State of Andhra Prodesh, without the previous consent of Karnataka

Sl. No.	Name of the Stream	Location in the Map	Limits within which no new construction should be undertaken by Andhra Pradesh without the consent of the State of Karnataka
1	2	3	4
1	Madalur Doddakere nala . . .	J	Entire catchment of the nala in Andhra Pradesh.
2	Madalur Gidaganahalli Kattenala . .	K	Entire catchment of the nala in Andhra Pradesh.

1	2	3	4
3	Doddabanagere Deddakere nala . .	L	Entire catchment of the nala in Andhra Pradesh.
4	Dharmapur tank nala	M	Entire catchment of the nala in Andhra Pradesh.
5	Parasurampur Deddakere nala . .	N	Entire catchment of the nala in Andhra Pradesh.
6	Kadehoda Achuvalikere nala . . .	O	Entire catchment of the nala in Andhra Pradesh
7	Parasurampura tank nala . . .	P	Entire catchment of the nala in Andhra Pradesh.
8	Gowripura Palyaakere nala . . .	Q	Entire catchment of the nala in Andhra Pradesh.
9	Jajur tank nala	R	Entire catchment of the nala in Andhra Pradesh
10	Thippareddihally Kyatanakere nala . .	S	Entire catchment of the nala in Andhra Pradesh.
11	Oblapur tank nala . . .	T	Entire catchment of the nala in Andhra Pradesh.
12	Hagari (Vedavathi)	U	Below Bhairavanithippa Dam up to Andhra Pradesh—Karnataka border.
13	Chinnahagari	V	From Karnataka—Andhra Pradesh border upto its confluence with Vedavathy (Hagari).

ANNEXURE B

Regulation regarding gaugings and gauging sites in the Krishna River System.

The river Krishna and its tributaries should be gauged at the following sites:

I. *At all the dam and weir sites—existing, under construction and future, project—utilising annually 1 T.M.C. or more:*

At all such sites the following measurements will be made and recorded three times a day—6 A.M. in the morning, 12 Noon and 6 P.M. in the evening:—

(a) Diversions into canals, penstocks, tunnels etc.

(b) Water let down through the various sluices in the dam, weir or barrage.

(c) Overflow over waste weir or spillways.

(d) Estimated evaporation losses.

(e) Water lifted from the river or reservoirs for irrigation, water supply and for any other purpose. These measurements will be made by the States in which the dams & weirs are situated.

The cost of such measurements will be borne by the States concerned.

II. *Gauging on Inter-State Streams:*

Three time daily at 6 A.M., 12 Noon and 6 P.M.

A. *Inter-State streams between Karnataka and Andhra Pradesh:*

1	The Krishna River near . . .	Deosugar (at present a CW & PC gauging site)
2	The Bhima River near	Yadgir (CW&PC gauging site).
3	The Tungabhadra River near . . .	Madhwaram bridge site.
4	(*a*) The Vedavathi River near . .	Bhairavanithippa
	(*b*) The Vedavathi River near . . .	Rampur (at present a CW & PC site),
5	The Kagna River near	Jiwargi
6	The Chikkahagari River near . . .	Amkundi Bridge or Aqueduct site on High Level Canal.

The location of these stations may be changed from time to time as the river channels and flow conditions of the rivers may require. The river gauging at Deosugar, Yadgir, and Rampur will be continued to be done by the CW&PC as at present, the States bearing the cost as being done now. The river gauging at Madhawaram, Bhairvanithippa, Jiwargi and Amkundi Bridge will be done jointly by the States of Karnataka and Andhra Pradesh or by the CW&PC if willing to do so, and the cost will be shared between all the three States equally.

B. *Inter-State Streams between Maharashtra and Karnataka:*

1	The Krishna river near . . .	Shirti (at present a CW & PC gauging site)
2	The Bhima river near	Takali (—do—)
3	The Ghataprabha river near . . .	Daddi
4	The Vedganga river near . . .	Bastawad
5	The Dudhganga river near . . .	Kagal at the bridge site on N. Highway.
6	The Panchaganga river near . . .	Terwad (at present a CW & PC gauging site)
7	The Agrani river near	Pendagaon
8	The Hiranyakeshi river near . . .	Gotur weir
9	The Borhala river near	Konkangaon
10	The Borinala near	Diksanga site or Railway bridge near Rudewadi
11	The Doddahalla river near . . .	Shivadhan
12	The Benithora river near . . .	Diggi

The location of the said stations may be changed from time to time as the river channels and water flow conditions of the rivers may require.

The river gauging at Shirti, Takali and Terwad will be continued to be done by the CW&PC as at present the States bearing the cost as being done now. The river gauging at Daddi, Bastawad, Kagal, Pendagaon Gotur, Konkangaon, Diksangs or Rudewadi, Shiradhan, and Diggi will be done jointly by the States of Maharashtra and Karnataka or the CW&PC if willing to do so, and the cost of gauging at these sites will be shared between all the three States equally.

C. *C.W. & P.C. gauging sites:*

In addition to the CW&PC gauging sites mentioned in A & B above, the CW&PC will continue to do the river gauging as at present at the following sites the cost being borne by the three States as at present.

(a) *on the Krishna river at*

(1) Karad (in Maharashtra)
(2) Almatti (in Karnataka)
(3) Dhannur (in Karnataka)
(4) Yaparla (in Andhra Pradesh)
(5) Moravakonda (-do-)
(6) Srisailam (-do-)
(7) Damerapadu (-do-)
(8) Wadenpalli (-do-)
(9) Vijayawada (-do-)

(b) *On the Koyna river at*

(10) Koyna dam (Maharashtra)
(11) Warunji (-do-)

(c) *on the Warna river at*

(12) Samdoli (Maharashtra)

(d) *on the Dudhganga river at*

(13) Sadalgi (Maharashtra)

(e) *on the Ghataprabha river at*
(14) Dhupdal weir (in Karnataka)
(15) Bagalkot (-do-)

(f) *on the Malaprabha river at*
(16) Huvanur (in Karnataka)

(g) *on the Bhima river at*
(17) Dhond (in Maharashtra)
(18) Marsingpur (-do-)

(h) *on the Nira river at*
(19) Sarati (in Maharashtra)

(i) *on the Sina river at*
(20) Wadakbal (in Maharashtra)

(j) *on the Tungabhadra river at*
(21) Harlahalli (in Karnataka)
(22) Manuru (-do-)
(23) Mantralayam (-do-)
(24) Bawapuram (in Andhra Pradesh)

(k) *on the Tunga river at*
(25) Shimoga (in Karnataka)

(l) *on the Bhadra river at*
(26) Lakkavali (in Karnataka)

(m) *on the Varada river at*
(27) Marol (in Karnataka)

(n) *on the Musi river at*
(28) Damercherla (in Andhra Pradesh)

(o) *on the Palleru river at*
(29) Palleru bridge (in Andhra Pradesh)

(p) *on the Munneru river at*
(30) Keesra (in Andhra Pradesh)

[No. F. 2/13/76-WD.]
C. C. PATEL, Addl. Secy.