B No. 1335 w a/ 8th May 1883

XI/ B/

9 P W m

No 1335 W Public Works Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the 8th May/83.

Read the following

From the Suptg: Engr: 3d Circle N.E. No 271 d/24th april/83

The Suptg: Engineer seems to be unaware of the work contemplated for the C. Project Division. G.O. 465 I d/ 13th June/82 which has since been ~~will now be~~ communicated to the Suptg: Engineer 3d Circle shows what is required ~~and to all other Suptg: Engineers for information and guidance~~.

C.S. 31/5

5/5/83

To

The Suptg: Engr x 3d Circle

~~with G.O. 465 I d/ 13 June/82~~

" Chief Engr: for Irrgn:

4/6

C.S.

5 EdS.

No 32 Ed/19.4.83

G.O. 465 I 13.6.82
466

PWC No 348.5

From

The Supdg Engineer
3d Circle

To

The Chief Engineer
PWD
Madras

Dated 24th April/83

Recd 25/4/83

No 271

C. Project Division

Reporting that the Supdg Engr will carry on the work without a special Officer. No 67 Ed/ 28th April 1883.

To E I

For remarks.

28/4/83

W

Ooty 25/4. Retd 7/5

O2 S 384

A/ B/

9 Wm

No. 1335 W Public Works Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the 8th May/83.

Read the following

From the Suptg: Engr: 3d Circle A.E. No. 271 d/24th April/83

The Suptg: Engineer seems to be unaware of the work contemplated for the C. Project Division. G.O. 465 I d/ 13th June/82 which has since been ~~will now be~~ communicated to the Suptg: Engineer 3d Circle shows what is required ~~and to all other Suptg: Engineers for information and guidance~~.

C.S. 31/5

~~Att~~

5/5/83

To

The Suptg: Engr. × 3d Circle

~~with G.O. 465 I d/ 13th June/82~~

" Chief Engr: for Irrgn:

Dy 4/6

C.S.

5 Eds.

No. 271

Supdg. Engrs. Office 3d Circle
Bellary 24th April 1883.

From

Major S. H. Clarke R.E.
Superintending Engineer 3d Circle

To

The Chief Engineer
P.W.D.
Madras

Sir,

With reference to your Memo. No. 32 E. of the 19th Inst. on the subject of the C. Project Division, I have the honour to inform you that I can, as far as I can judge of, at present, carry on the C. Project Division work without the assistance of any special Officer

2. The Project is sufficiently advanced to allow of my submitting it for the final orders of Government.

3. It will be necessary for me to delegate some subordinate × to ascertain by personal observation, the character of the sub-soil, through which the connecting

× Mr Lawrence Surveyor is about to join. C.S. 30/4 channel with the Rudwail Tank is cut. Since the question of maintaining the F.T.L. of the Poremamilla Tank or lowering it about 6 feet, is dependent on the comparative cost of reducing the bed level of the said Channel or of purchasing the 4 Villages and some cultivable land within the F.T.L. contour of the Tank Bed - which latter charge, as roughly estimated by Mr. Garrett, would amount to about Rs86,000.

I have the honour to be
Sir
Your most obdt. servant.
Major R.E.
Offg. Supdg. Engineer
3rd Circle

Ml

No. 32 Ed/19.4.83

G.O. 465/466 d 13.6.82

P.W.C. Co. 3485

From

The Supdg Engineer
3rd Circle.

To

The Chief Engineer
P.W.D.
Madras

Dated 24th April /83

Recd. 25/4/83

No. 271

C. Project Division

Reporting that the Supdg Engr. will carry on the work without a special Officer. No. 69 Ed/28th April 1883.

To E.I.

For remarks.

28/4/83

W

Ordy 25/4. Ack 7/5

Ord 384

To W.

The S.E. evidently is not aware of the work done by the C. Project Division. The Suppair Project was the first of the long list of Projects to be investigated by this Division.

I see that G.O. No. 465 I dated 13th June 1882 was not communicated to S.E., and would suggest that a copy should be forwarded to the S.E. and he should be asked to reconsider his letter.

2/5/83.

1335 W

C.A.W.

Communicate G.O. No 465 I to the SE fm as suggested

4/5/83

Caw

Please see the accy. draft order - which apparently requires modification -

G.O. No 465 I.D. 13.6.82, was under J's orders communicated to all Supdg. Engrs on the 2i Novr last - vide entry in the original - The addl. column was ordered to be noted in all spare copies, but doubtless the spare copies at Ooty do not contain it -

The delay in bringing this matter to notice requires explanation. The draft order was numbered & dated on the 8th instant, but Mr Rolfe appears to have passed

---

Put up the statements furnished to W of the Projects proposed to be investigated from Famine Protection Fund.

30/4/83.

Sir,

Put up.

M.A.
2/5

recd.
2/5

3823

Govt. of {1882} Madras.

PUBLIC WORKS.

Dated [illegible]

Recd. Encl.

G. O., 13 June 1882, No. 465/466 I.

Nos.

Design Projects suitable for Famine Relief

Statements of [illegible] furnished to the Engr with observations.

Engr

Ditto

32

A
Irrigation

18

No. 466 I.

Government of Madras,

PUBLIC WORKS DEPARTMENT.

To

The Secretary to the
Government of India
P.W. Department.

13 June 1882

Sir,

&

I. Statement of Irrigation Projects ~~referred to in list accompanying this office Note 553 of 21st Feby 1881~~ which have been disposed of.

II. -- D^o -- do -- to be indefinitely postponed.

III. -- D^o -- do -- shewing the Agency by which it is proposed they should be investigated.

IV. Statement shewing Irrigation Projects in progress or to be taken up, in order of importance

With reference to your letter No. 163 dated 6th ultimo, I am desired by the Right Hon'ble the Governor in Council to forward the four statements of Irrigation projects as per margin & with a note by the Chief Engineer for Irrigation dated 18th ultimo.

2. Of these Statement

No. I enumerates practically ten works which have either been sanctioned or the projects for which have been framed or submitted. Though claſsed technically as "Productive" they are each and all neceſsarily "Protective", and would moreover be very suitable for famine works should such a calamity occur while they are in course of ordinary execution.

3 Statement II contains 31 works which though previously proposed and many of them in great degree investigated are now proposed to be indefinitely postponed for the reasons aſsigned opposite each. In order to save time and prevent misapprehension it is thought best by this Government to place these on a prohibited list. To this list will also be transferred all other projects which on sufficient investigation are proved to the satisfaction of Government to be capable of claſsification neither as Productive nor Protective.

(?)

For the reasons aſsigned in another letter of this date No.

His Excellency in Council is wholly averse to the commencement of large works during Famine which cannot be claſsed either as Productive or Protective or which would not from their nature be undertaken in ordinary years were funds available, or again any works however classified — which have not undergone all the needful scrutiny and been sanctioned by Government in ordinary course.

4 Statement III contains 56 work which it is proposed to investigate and Statement IV shews the order of importance in which such investigations are to be taken up, and the Project Divisions or other Agency to be employed with this object

As

&1. Kistna Completion Works.
2. Cauvery & Vennar Regulations
3. Godavari Completion works.

5. As the Government of India is unprepared to sanction any increase to the permanent Establishment for undertaking these investigations, and as the immediate necessity for creating & 2 new Divisions for the execution of lately sanctioned irrigation projects, and another immediately anticipated will certainly absorb all the suitable agency of a temporary character available in South India, this Government is of opinion that the scheme now sent up is all that can under existing circumstances be attempted —

In

GOVERNMENT OF MADRAS

6 In the letter under reply the Government of India express an opinion that the attention of the Establishment should be confined entirely to its legitimate duties and to the preparation of projects manifestly well adapted to Protective purposes, but as with regard particularly to irrigation works it is quite impossible prior to exhaustive investigation to say whether a project can be classed as Productive or merely as Protective, H.E. in Council has no other course open than to deal wit the matter as above suggested, leaving if necessary the charge for Establishment to be distributed in the best feasible manner after the close of each years operation

7. In reference to Tramway or Light Railways to be employed as Protective Works the enquiries are as yet, I am to say, incomplete but the subject will be dealt with at the earliest opportunity.

SC Desd 8/7

3/6/82

Endsm

X

Irrigation

No. 465. I. P.W.

17

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 13th June 18

Read the following:—

Print in full with the Enclos.

From

The Govt. of India (H.E. No. 163 d/ 6 May 62)

Note by the Chief Engr. for Irrgn. } (" - 52 - I. d/ 18 ")

Ordered that the following letter be sent to the Govt. of India.

(H.E. No. 466 I. d/ 13th June 62)

ordered by S.D. to be communicated to all S.Es. Cu 3/11

1 C Recd 8/

The Chief Engr. for Irrgn.
" Consg. Engr. for Rys. } with copy of letter
All Suptg. Engrs. ✓ Pd. 4/11/62

S E Tank maintenance scheme issd 4/1/63

PWD 54
385

Irrigation

No. 465. I. P.W.

17

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 13th June 1882

Read the following :—

Print in full with the Enclos.

From

The Govt. of India (H.E. No. 163 d/ 6 May 82)

Note by the Chief Engr. for Irrgn. } (" - 52 - I. d/ 18 " ")

Ordered that the following letter be sent to the Govt. of India.

(H.E. No. 466 I d/ 13th June 82)

ordered by S.D. to be communicated to all S.Es. Cu 3/11

The Chief Engr. for Irrgn

" Consg. Engr. for Rys. } with copy of letter

1 C Desp 8/1

All Supts. Engrs. ✓ Desp 4/11/82

S E Tank maintenance scheme Desp 4/1/83

13TH JUNE 1882, No. 465 I., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.

No. 48.

READ—the following letter from Colonel W. S. TREVOR, R.E., Secretary to the Government of India, Public Works Department (Civil Works—Miscellaneous), to the Secretary to the Government of Madras, Public Works Department, dated Simla, 6th May 1882, No. 163 M. :—

In reply to paragraph 9 of your No. 3198 W., dated 31st December 1881, and in continuation of this office letter No. 437 I., dated 12th November 1881, I am directed to state that the Government of India is desirous of confining the attention of the establishment, sanctioned against the "Protective Works Fund", entirely to the preparation of projects for works most suited to the purpose of protection from famine, as distinct from projects for works for affording relief during famine. It is thought that by confining the attention of this establishment entirely to its legitimate duties, and to the preparation of projects manifestly well adapted to *protective* purposes, the investigation of the schemes, for Steam Tramways, and Light Railways, alluded to in your letter, could, without much difficulty, be conducted by it. More than one of the schemes, mentioned in your No. 1697, dated 9th July 1881, are confessedly of doubtful value; and it seems very unadvisable to employ establishment on the examination of such projects, when others of obviously greater importance await inquiry.

No. 48-A.

READ—the following Note by Colonel J. O. HASTED, R.E., Acting Chief Engineer for Irrigation, dated Ootacamund, 18th May 1882, No. 52 I. :—

The accompanying statements have been prepared from the lists submitted with this office No. 55 I., dated 21st February 1879, which were forwarded to the Famine Commission, and are printed in Appendix V of the Report of Famine Commission, showing under three different heads the projects proposed in the Madras Presidency for the extension of irrigation.

Statement No. I shows the projects which have been either sanctioned or submitted for sanction, and which are therefore disposed of.

Statement No. II shows the projects which, it is now considered, may be indefinitely postponed; the reasons for adopting this course are given in the remark column. It might be said that they may now be altogether set aside, but there are some which, when the large systems have been worked out and the population has increased, it may be possibly advisable to investigate.

Statement No. III shows the projects which it is proposed to take up and thoroughly investigate, and the agency by which it is suggested the work shall be done. It includes the projects now being investigated in the project and other divisions, and every work entered in the lists above referred to not named in Statements Nos. I and II, except those affecting existing irrigation, and which are not capable of any considerable extension.

Statement No. IV shows all these projects in the order in which it is proposed to take them up, the 13 works not allotted being reserved until further progress has been made in the project divisions.

2. It is possible that some of the projects which it is now proposed to work out may prove so remunerative that the works may be classed as Productive Public Works, but this can only be ascertained after they have been worked out. They are fall Protective Works, and as such the establishment provided for from funds allotted or the prevention of famine may properly be employed on them.

3. A recent order of the Government of India makes a distinction between works intended for the prevention of famine, and works intended for execution during famine, and apparently contemplates the complete investigation of projects which answer the first condition only. Now, although, as stated above, all the works referred to may be classed as Protective Works, many of them would be suitable for the employment of famine labor, but until they are investigated it is impossible to ascertain to what extent they will be useful as famine works. Generally speaking, all those projects which contemplate the construction or improvements of reservoirs would, to a greater or less extent, provide employment for famine labor, but to class these works as famine works, and therefore only partially to investigate the projects and prepare rough estimates would, it is considered, lead to a waste of time and money. Allowing that they are Protective Works, the projects should thoroughly be worked out and submitted in such a complete state that the work can be commenced forthwith if necessary. They cannot be commenced for some time to come, and therefore many of them will, in all human probability, remain available for the employment of labor when failure of the monsoon rains has again induced scarcity or famine. To show how far these works will be available as famine works, it might be well to append to the estimates, when submitted, a statement showing the number of skilled and unskilled laborers that could be employed on them for, say, six months.

4. In Statement No. IV it will be seen that a very long list of projects has been allotted to the C. Project Division. This division is working and will work in the Third Circle, which comprises the districts of Cuddapah, Kurnool and Bellary, a part of the country which is most liable to suffer from failure of the rains. The projects proposed contemplate the diversion and storage of the flood water of the rivers which traverse these districts, and many of them have been worked out in connection with the Madras Irrigation and Canal Company's works, the plans, &c., prepared by the officers of that Company having been handed over to Government. There is therefore a great deal of work already done, and it is now proposed to take up the rivers systematically, examining the projects already investigated in turn, and to work out such schemes as may promise most effectually to utilize the water-supply.

5. In Statement No. II the Nílgiri reservoirs are included as projects to be indefinitely postponed, and in Statement III, in the remark opposite the Neringipett Anicut, reference is made to the Bhaváni reservoir which was not included in the original lists. This reservoir was proposed to be constructed somewhere near the junction of the Bhaváni and Moyár river, which together fall into the Cauvery. It was partially investigated and reported on by Major Montgomerie, R.E., in May 1880, and is intended as a flood regulator, to supplement the supply of water to the Cauvery Delta, and also to supply local cultivation. It is considered very important that the subject of flood regulators on one of the rivers supplied by the south-west monsoon should be taken up, and it is now thought, after the investigations that have been made, that such reservoirs can more probably be provided at reasonable cost at the foot of the hills rather than in the hills.

To the Acting Joint Secretary to Government, Public Works Department, Irrigation Branch.

ENCLOSURES.

I.

STATEMENT of Irrigation Projects referred to in List accompanying this office No. 55 I., dated 21st February 1879, which have been disposed of.

—	Reference to Lists.		District.	System or Source of Supply.	Name of Project.	Remarks.
	List.	Number.				
	A	A	Godávari ..	Godávari Delta System.	Eastern Delta Completion.	Estimates have been submitted to the Government of India.
	..	B	..	..	Central Delta Completion.	
	..	C	..	..	Western Delta Com. pletion.	
	..	E	Kistna ..	Kistna Delta System.	Eastern Delta Completion.	Estimates have been sanctioned by the Secretary of State.
	..	F	..	..	Western Delta Completion.	
	..	M	Nellore ..	Pennér River.	Sangam Project ..	Do. do.
	..	N	Tanjore ..	Cauvery Delta System.	Upper Anicut—Regulation of the Cauvery at Grand Anicut.	Do. do.
	..	W	Tinnevelly ..	Támbraparni.	Srívaikuntham Anicut.	Estimates have been submitted to the Government of India.
	B	I	Ganjam ..	Rushikulya ..	Rushikulya Project.	Do. do.

II.

STATEMENT of Irrigation Projects referred to in Lists accompanying this office No. 55 I., dated 21st February 1879, to be indefinitely postponed.

—	Reference to Lists.		District.	System or Source of Supply.	Name of Project.	Remarks.
	List.	Number.				
	A	D	Godávari ..	Godávari River.	Polavaram Anicut ..	It is only necessary to quote the late Colonel Anderson's remark: "It cannot seriously be thought of until the Delta System has been fully completed."
	B	3	Ganjam ..	Vamsadhara River.	Vamsadhara or Chicacole Project.	Investigations that have hitherto been made on these projects have shown that the Zemindari rights are almost an insuperable bar to the improvement of irrigation.
	..	4	Vizagapatam.	Surada ..	Kristnamraz Channel.	
	..	5	Do. ..	Do. ..	Kondakirla Ava Project.	
	..	6	Do. ..	Nangoolia River.	Nangoolia River Project.	
	..	7	Kistna ..	..	Dondapad Tank ..	These projects have been to some extent investigated; they are not recommended, as scantiness of population prevents extension of irrigation. Moreover, the Delta Works in the district will be in progress for many years to come, and irrigation is steadily increasing under these works.
	..	8	Do. ..	..	Bolapilly Tank ..	
	B	9	Do. ..	..	Vippurla Tank ..	
	..	10	Do. ..	Muneyar ..	Muneyar Anicut ..	
	..	11	Do. ..	Nagaleru ..	Bunding Nagaleru ..	
	..	12	Do. ..	Peddavagu ..	Bunding Peddavagu and Yeddavagu.	
	B	38	North Arcot.	Cheyár ..	Mambaukum Project.	This was examined and set aside some years ago.
	..	42	Salem ..	Kurambapilly.	Badatalao Project ..	Do. do.
	..	46	Do. ..	Ponniár ..	Malapady Tank Restoration.	Do. do.
	C	III	Ganjam ..	Mahánadi ..	Kollada Reservoir ..	These reservoirs were proposed with the Rushikulya Project which has just been submitted, but were not considered necessary.
	..	IV	..	Do. ..	Booliagutah do. ..	
	..	V	..	Goodaholo ..	Goodaholo do. ..	
	..	VI	..	Do. ..	Mutchycotta do. ..	

Statement of Irrigation Projects referred to in Lists accompanying this office, &c.—*cont.*

—	REFERENCE TO LISTS.		District.	System or Source of Supply.	Name of Project.	Remarks.
	List.	Number.				
	..	VIII	Vizagapatam.	Surada ..	Kondakirla Ava ..	Referred to above. B 5.
	..	XII	Kurnool ..	Goondlacumma.	Momadavaram Reservoir.	See remarks. B 7 to 12.
	..	XIV	Bellary ..	Chitravati River.	Parnapally Reservoir.	This has been given up, as borings in the bed of the river have shown that a safe foundation for the dam cannot be obtained.
	..	XV	Mysore ..	Budra River.	Luckavally River ..	These projects were partially investigated in connection with the Madras Irrigation and Canal Company's works, but have been given up. The right of the Madras Government to store and make use of the water of rivers in foreign territory cannot be established.
	..	XVI	Do. ..	Tunga River.	Moodaba Reservoir ..	
	..	XVII	Do. ..	Choardy River.	Masoor Reservoir ..	
	..	XXII	Malabar and Coimbatore.	Bhaváni ..	Palavoor Reservoir ..	Some of these projects have been investigated, and an attempt (which failed) was made to construct the bund of one of the reservoirs by the silting process. It is now considered that sites for the construction of reservoirs to regulate the flood waters of the Cauvery should not be looked for in the hills.
	..	XXIII	Do. ..	Do. ..	Kottamula Reservoir.	
	..	XXIV	Nílgiris ..	Pykara River.	Pykara Reservoir ..	
	..	XXV	Do. ..	Drainage into Moyár.	Nunjanad Reservoir.	
	..	XXVI	Do. ..	Poorthy ..	Lake Victoria ..	
	..	XXVII	Do. ..	Do. ..	Lake St. Lawrence ..	
	..	XXVIII	Do. ..	Sandy Nullah.	Sandy Nullah ..	

III.

STATEMENT of Irrigation Projects referred to in Lists accompanying this office No. 55 I., dated 21st February 1879, showing the Agency by which it is proposed they should be investigated.

Division or Circle to which Project is allotted.	REFERENCE TO LISTS.		District.	System or Source of Supply.	Name of Project.	Remarks.
	List.	Number.				
D. Project Division.	A	H	Bellary ..	Tungabhadra River.	Upper Bellary Project.	Estimated for by the Madras Irrigation and Canal Company's Canal officers.
Second Circle.	..	L	Nellore ..	Pennér Anicut System.	Survapully Project ..	The estimates are under preparation.
D. Project Division.	..	O	South Arcot, Tanjore.	Coleroon River.	Lower Coleroon Anicut.	It is intended to improve and extend the irrigation under the existing anicut.
B. Project Division.	..	U	Coimbatore and Salem.	Cauvery ..	Neringipett Anicut ..	This will be considered when the Bhaváni river is investigated.
C. Project Division.	..	V	Madura ..	Vaigai ..	Perryaur Project ..	Estimates are expected to be ready in three or four months.
D. Project Division.	B	2	Ganjam ..	Korkey River.	Mullada Tampara Project.	Revised plans and estimates are being put into shape.
Not allotted ..	..	13	Nellore ..	..	Restoring Adurapillai Tank of Griddalore.	Ruined tanks which may be worth restoring.
Do. ..	..	14	Do. ..	..	Restoring Tirumalapady Tank.	
Do. ..	B	15	Do. ..	..	Restoring Gandipalem Large Tank.	......
	..	16	Cuddapah ..	Sugglair ..	Sugglair Project ..	These projects are for the utilization of the water of rivers in Cuddapah, Kurnool, and Bellary. Some of these have been investigated by the officers of the Madras Irrigation and Canal Company. It is proposed to take up each river separately and conclusively to deal with each project in turn.
	..	17	Do. ..	..	Talarycheruvu Dyalla Tank Restoration.	
	..	18	Do. ..	Papadry ..	Anicut or Papadry ..	
	..	19	Do. ..	Pennér ..	Peddapasula Channel Irrigation.	
	..	20	Kurnool ..	..	Restoring Venkatareddipalem Tank.	
	..	21	Do. ..	..	Arveed Tank Restoration.	

Statement of Irrigation Projects referred to in Lists accompanying this office, &c.—*cont.*

Division or Circle to which Project is allotted.	REFERENCE TO LISTS.		District.	System or Source of Supply.	Name of Project.	Remarks.
	List.	Number.				
	B.	22	Kurnool ..	..	Kalavatala Tank Project.	These projects are for the utilization of the water of rivers in Cuddapah, Kurnool, and Bellary. Some of these have been investigated by the officers of the Madras Irrigation and Canal Company. It is proposed to take up each river separately and conclusively to deal with each project in turn.
	..	23	Do. ..	Duvulair ..	Duvulair Project ..	
C. Project Division.	..	24	Do. ..	Hindri ..	Taikur Reservoir ..	
	..	25	Do. ..	..	Dewanapilly Reservoir.	
	..	26	Do. ..	..	New Tank, south of Arveed Tank.	
	..	27	Do. ..	..	Garladinna Tank ..	
	..	28	Do. ..	..	Tank sites in Márkápur Taluk.	
	..	29	Bellary ..	Penner ..	Bookacherla Project.	
	..	30	..	..	Potalacoonta Tank Project.	
	..	31	..	Hagari ..	Mylapore Reservoir at Hagari.	
Do. ..	..	32	..	Penner ..	Hindupur Project ..	These projects are expected to be submitted shortly.
Do. ..	..	33	..	Do. ..	Roddam Project ..	
Do. ..	..	34	..	Hagari ..	Hagari Raidrug ..	See remarks, B 15 to 31.
Not allotted ..	..	35	Chingleput ..	Narnaveram River.	Improving irrigation under Narnaveram River.	These projects have been partially investigated.
Do. ..	..	36	..	Cortiliar River	Channel from Anicut at Tamrapaukum.	
D. Project Division.	..	37	North Arcot.	Pálár ..	Improving Pálár River Channels, N. Section.	This as well as the improvement of irrigation in the S. Section is now under consideration with a view to the submission of a complete estimate system, as required by the Government of India.
Fourth Circle.	..	39	Do. ..	Cheyár ..	Cheyár River ..	There is no information regarding these projects.
Fifth Circle ..	..	40	South Arcot.	..	Athur Project ..	
Do. ..	..	41	..	Trimaneemootanaddy.	Pullagacherry Channel Project.	Partly investigated.
B. Project Division.	B	43	Salem ..	..	Pennacondapuram Tank Project.	These were commenced as famine relief works. Projects are expected to be submitted shortly.
Do. ..	..	44	..	Sunnath Comara River.	Marandahully Project.	
Do. ..	..	45	..	Ponniár River	Baroor Project ..	
Fourth Circle.	..	47	Coimbatore ..	Cauvery ..	Improvement and extension of Pugalore Channel.	Commenced as famine relief work.
Do. ..	..	48	..	Bhaváni River	Channel from Bhaváni to the Nóyil.	Not investigated.
D. Project Division.	..	49	Trichinopoly.	Cauvery ..	Vengur Channel Project.	Estimates have been prepared, but require revision.
Do. ..	..	50	..	..	Kodunkoray Tank Project.	
Sixth Circle ..	..	51	Tinnevelly ..	Támbraparni.	Maradur Channel improvement.	......
D. Project Division.	C	VII	Ganjam ..	Korkey River.	Mallada Tampara ..	See remarks above, B 2.
Not allotted ..	..	IX	Godávari ..	Yerracalva ..	Annamalunka Reservoir.	Project has been investigated, but may require revision.
Do. ..	..	X	..	Penner ..	Gondicotta Reservoir.	Proposed, but not investigated.
Do. ..	..	XI	Nellore ..	Do. ..	Do. do. ..	
Do. ..	..	XIII	Kurnool ..	Kistna ..	Great Kistna Reservoir.	Proposed by Sir A. Cotton.
B. Project Division.	..	XVIII	Salem ..	Ponniár River	Krishnagiri Reservoir.	Partly investigated.
Do. ..	..	XIX	Do. ..	Stream from Shevaroy Hills.	Vaniár Reservoir ..	
Do. ..	..	XX	..	Swatanaddy.	Goodanully Reservoir.	Site examined and favorably reported on.
Do. ..	C	XXI	Coimbatore ..	Cauvery ..	Allambody Reservoir.	Not investigated.
	..	XXIX	Madura ..	Pitchiaur ..	Tank in Thalihooth Manoor Valley.	Partly investigated. Will not be taken up if Perryaur Project is sanctioned.
Not allotted ..	..	XXX	..	Pálár ..	Palni Reservoir ..	
	..	XXXI	..	Vaigai ..	Gullapuram Reservoir.	
	..	XXXII	..	Do. ..	Reservoir near Batagondoo.	
D. Project Division.	..	XXXIII	Tinnevelly ..	Támbraparni.	Pápanásam Reservoir.	Not investigated.

IV.

Statement showing Irrigation Projects in progress, or to be taken up, in order of importance.

Division or Circle to which Work is allotted.	Reference to Appendix V, Report of Famine Commission.		District.	System or Source of Supply.	Name of Project.	Remarks.
	List.	Number.				
B. Project Division.	B	43	Salem ..	..	Pennacondapuram Tank.	These are nearly completed.
	..	44	Do. ..	Sunnath Comara River.	Marandahully Project.	
	..	45	Do. ..	Ponniár River.	Baroor Channel ..	
	C	XIX	Do. ..	..	Vaniár Reservoir ..	In progress.
	..	XVIII	Do. ..	Ponniár River.	Krishnagiri do. ..	It is possible that very little work will be needed here.
	A	V	Do. ..	Cauvery ..	Narinjapett Anicut ..	The work is entered in the list referred to in column 2, but will probably be superseded by the Bhaváni Reservoir near Satyamangalam, reported on by Major Montgomerie, which it is proposed now to investigate.
	C	XX	..	Swatanadi ..	Goodanully Reservoir	......
	..	XXI	Salem ..	Cauvery ..	Allambady do. ..	......
C. Project Division.	B	32	Bellary ..	Penner ..	Hindupur do. ..	These are nearly completed.
	..	33	Do ..	Do. ..	Roddam do. ..	
	A	V	Madura ..	Vaigai ..	Perryaur Project ..	This is about to be taken up by Major Pennycuick.
	B	16 to 31 and 34	Cuddapah .. Kurnool .. and Bellary ..	Penner .. Hindry, Hagari and minor rivers.	....	It is intended that the rivers should be taken up successively and thoroughly investigated. All projects hitherto proposed, including those investigated by the Madras Irrigation and Canal Company, the surveys and plans of which were made over to Government being taken into consideration.
	B C	2 VII	Ganjam ..	Korkay River.	Mullada Tampara Project.	This has to be put into shape. The work is mentioned both in List B and List C.
	A	H	Bellary ..	Tungabhadra River.	Upper Bellary Project.	......
D. Project Division.	B	37	North Arcot.	Pálár ..	Improving River Channels, North Section.	The North Section only is mentioned, but the South Section has to be taken up also. Much of the work has been done.
	C	XXXIII	Tinnevelly ..	Támbraparni.	Pápanásam Reservoir	
	B	49	Trichinopoly.	Cauvery ..	Vengur Channel Project.	
	..	50	..	Do. ..	Kodunthoray Tank Project.	
	A	O	South Arcot. Tanjore ..	Coleroon River.	Lower Coleroon Anicut.	
Fourth Circle.	B	47	Coimbatore ..	Cauvery ..	Pugalúr Channel.	
	..	48	Do. ..	Bhaváni ..	Channel from Bhaváni to Nóyil.	
Fifth Circle ..	B	40	South Arcot.	..	Athur Project.	
	..	39	North Arcot.	Cheyár ..	Cheyár River.	
	..	41	..	Trimaneemootoonadi.	Pullagacherry Channel Project.	
Not allotted ..	B	13	Nellore ..	..	Restoring Adurapillai Tank of Griddalore.	
Do. ..	..	14	Do. ..	..	Restoring Timmalapady Tank.	
Do. ..	B	15	Do. ..	..	Restoring Gandipalam Large Tank.	
Do. ..	B	35	Chingleput ..	Narnaveram River.	Improving irrigation under Narnaveram River.	
Do. ..	..	36	..	Cortiliar River.	Channel from Anicut at Támarapakam.	
Do. ..	C	IX	Godávari ..	Yerracálva ..	Annamalunka Reservoir.	
Do. ..	..	X	..	Pennér ..	Gandicotta Reservoir.	
Do. ..	..	XI	Nellore ..	Do. ..	Do. do.	
Do. ..	..	XIII	Kurnool ..	Kistna ..	Great Kistna do.	
Do. ..	..	XXIX	Madura ..	Pitchiar ..	Tank in Thalianooth Mamoor Valley.	Will not be taken up if the Perryaur Project is sanctioned.
Do. ..	..	XXX	..	Pálár ..	Palni Reservoir ..	
Do. ..	..	XXXI	..	Vaigai ..	Gullapuram do. ..	
Do. ..	..	XXXII	..	Do. ..	Reservoir near Batlagoondoo.	

No. 49.

Order—dated 13th June 1882, No. 465 I., Public Works.

Ordered that the following letter be sent to the Government of India :—

(Here enter No. 466 I., dated 13th June 1882.)

(True Extract.)

(Signed) R. H. SANKEY, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Chief Engineer for Irrigation,
„ Consulting Engineer for Railways, } with copy of letter.

all Supg Engineers.
& Tank Divisions

Exd. C. Howarth.
Spare Copies.

IRRIGATION.

Govt. of {1882} Madras.

PUBLIC WORKS.

Dated June, 13th.

Recd. *Encl.*

G.O., 13th June 1882, No. 465 I.

JUNE.

Nos. 48-49.

Irrigation Projects suitable for Famine Relief.

Statements of —, forwarded to the Government of India.

13th June 1882, No. 466 I., Public Works.

PUBLIC WORKS DEPARTMENT.

Irrigation.

No. 50.

Letter—from

Colonel R. H. SANKEY, C.B., R.E.,

Secretary to Government, Public Works Department,

To

The SECRETARY to the GOVERNMENT of INDIA,

Public Works Department.

Sir,

With reference to your letter No. 163, dated 6th ultimo, I am desired by the Right Honorable the Governor in Council to forward the four statements of irrigation projects, as per margin, with a Note by the Chief Engineer for Irrigation, dated 18th ultimo.

- I. Statement of irrigation projects which have been disposed of.
- II. Statement of irrigation projects to be indefinitely postponed.
- III. Statement of irrigation projects showing the agency by which it is proposed they should be investigated.
- IV. Statement showing irrigation projects in progress, or to be taken up, in order of importance.

2. Of these statements, No. I enumerates practically ten works which have either been sanctioned or the projects for which have been framed or submitted. Though classed technically as "*Productive*," they are each and all necessarily "*Protective*," and would moreover be very suitable for famine works, should such a calamity occur while they are in course of ordinary execution.

3. Statement II contains 31 works, which, though previously proposed and many of them in great degree investigated, are now proposed to be indefinitely postponed for the reasons assigned opposite each. In order to save time and prevent misapprehension it is thought best by this Government to place these on a prohibited list. To this list will also be transferred all other projects which, on sufficient investigation, are proved to the satisfaction of Government, to be capable of classification neither as Productive nor Protective.

For the reasons assigned in another letter of this date, No. $\frac{1\overset{4}{2}75}{6}$ W. His Excellency in Council is wholly averse to the commencement of large works during famine which cannot be classed either as Productive or Protective, or which would not from their nature be undertaken in ordinary years were funds available, or again any works however classified, which have not undergone all the needful scrutiny and been sanctioned by Government in ordinary course.

4. Statement III contains 56 works which it is proposed to investigate, and Statement IV shows the order of importance in which such investigations are to be taken up, and the project divisions or other agency to be employed with this object.

5. As the Government of India is unprepared to sanction any increase to the permanent establishment, for undertaking these investigations, and as the immediate necessity for creating two* new divisions for the execution of lately sanctioned irrigation projects, and another immediately anticipated, will certainly absorb all the suitable agency of a temporary character available in South India, this Government is of opinion that the scheme now sent up is all that can, under existing circumstances, be attempted.

*1. Kistna Completion Works.
2. Cauvery and Vennár Regulations.
3. Godávari Completion Works.

6. In the letter under reply the Government of India express an opinion that, the attention of the establishment should be confined entirely to its legitimate duties, and to the preparation of projects manifestly well adapted to protective purposes, but as with regard particularly to irrigation works it is quite impossible, prior to exhaustive investigation, to say whether a project can be classed as Productive or merely as Protective, His Excellency in Council has no other course open than to deal with the matter as above suggested, leaving, if necessary, the charge for establishment to be distributed in the best feasible manner, after the close of each year's operations.

7. In reference to Tramways or Light Railways to be employed as Protective Works, the inquiries are as yet, I am to say, incomplete, but the subject will be dealt with at the earliest opportunity.

I have the honor to be,
Sir,
Your most obedient servant,

(Signed) R. H. SANKEY, Colonel, R.E.,
Secretary to Govt., P.W.D.

Ootacamund,
13th June 1882.

Exd. C. Howarth.
Spare Copies

IRRIGATION.

Govt. of {1882} Madras.
PUBLIC WORKS.

Dated June, 13th.

Recd. *Encl.*

13th June 1882, No. 466 I.

JUNE.
No. 50.

Irrigation Projects suitable for Famine Relief.

STATEMENTS of —, forwarded to the Government of India with observations.

All communications should be addressed to the Secretary.
10

No. 163 Me.

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.

Civil Works.
Miscellaneous.

To,
The Secy to the Govt. of Madras
Public Works Department

Simla, 6th May 1882.

Sir,

In reply to para. 9 of your No. 3198 W. dated 31st December 1881, and in continuation of this Office letter No. 437 I dated 12th November 1881, I am directed to state that the Government of India is desirous of confining the attention of the Establishment sanctioned against the "Protective Works Fund", entirely to the preparation of projects for works most suited to the purpose of protection from famine as distinct

distinct from projects for works for affording relief during famine.- It is thought that by confining the attention of this establishment, entirely to its legitimate duties, and to the preparation of projects - manifestly well adapted to Protective purposes, the investigation of the schemes, for Steam Tramways, and Light Railways, alluded to in your letter, could, without much difficulty, be conducted by it.- More than one of the schemes, mentioned in your No. 1697 dated 9th July 1881, are confessedly of doubtful value; and it seems very unadvisable to employ establishment on the examination of such projects, when others of obviously greater importance await enquiry.

I have the honor to be,
Sir,
Your most obedt. servant,

Colonel R.E.
Secretary to the Govt. of India,

G.O. 1697 d. 9-7-81
" 1729 d. 14-7-"
" 2964 d. 28-11-"
" 3197/3198 d. 31-12-"

P.W.C. No 3046

Recd 12 May/12

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III

Statement of Irrigation Projects referred to in Lists accompanying this office No. 55-I d/ 21 Feby 1879 showing the Agency by which it is proposed they should be investigated. 10

Division or Circle to which Project is allotted	Reference to Lists		District	System or Source of Supply	Name of Project	Remarks.
	List	Number				
7	3	5	7	7	10	14
D. Project Dn.	A	H	Bellary	Tungabudra river	Upper Bellary Project	Estimated for by the M. I & C Co's Canal Officers
2nd Circle	"	L	Nellore	Pennair Anicut System	Sarvapully Project	The Estimates are under preparation.
D. Project Division	"	O	S. Arcot Tanjore	Coleroon river	Lower Coleroon Anicut	It is intended to improve & extend the irrigation under the existing Anicut.
B. Project Dn.	"	U	Coimbatore & Salem.	Caveri	Neringipett Anicut	This will be considered when the Bhavani River is investigated.
C. Project Dn.	"	V	Madura	Vigay	Perryaur Project	Estimates are expected to be ready in 3 or 4 months.
D. Project Dn.	B	2	Ganjam	Korkey river	Mullada Tampara Project	Revised plans and estimates are being put into shape.
Not allotted	"	13	Nellore	"	Restoring Adurapillai Tank of Griddalore	Ruined Tanks which may be worth restoring
Not allotted	"	14	do	"	Restoring Tirumalapoor Tank	
Not allotted	B	15	do	"	Restoring Gandipalem Large Tank — -	
	"	16	Cuddapah	Sugglair	Sugglair Project	
	"	17	do	"	Talarycheruvu Dyalla Tank restoration	

	"	18	Cuddapah	Papadry	Anicut on Papadry	These Projects are for the utilization of the water of rivers in Cuddapah, Kurnool and Bellary. Some of these have been investigated by the officers of the M. I. & C. Co. It is proposed to take up each river separately and conclusively to deal with each Project in turn –
	"	19	do	Pennair	Peddapasula Channel	
	"	20	Kurnool	"	Restoring Venkatareddipalem Irrigation	
	"	21	do	"	Arveed tank Tank restoration	
	"	22	do	"	Kalavatala Tank Project	
	"	23	do	Dundlair	Dundlair Project	
C. Project Dn.	"	24	do	Hindry	Taikur Reservoir	
	"	25	do	"	Dewanapilly Reservoir	
	"	26	do	"	New tank, South of Arveed tank	
	"	27	do	"	Garladinna Tank	
	"	28	do	– – – –	Tank sites in Markapur Taluq –	
	"	29	Bellary	Pennair	Bookachala Project	
	"	30	"	"	Potala coonta Tank Project	
	"	31	"	Huggry	Mylapore Reservoir at Huggry	
C. Project Dn.	"	32	"	Pennair	Hindapur Project	These Projects are expected to be submitted shortly
	"	33	"	do	Roddam Project	
do	"	34	"	Huggry	Huggry Railroad	see remarks – B. 15 & 31
Not allotted	"	35	Chingleput	Narnavaram River	Improving Irrigation under Naraveram river –	These Projects have been partially investigated
Not allotted	"	36	"	Cortliar river	Channel from Anicut at Tamrapaukam –	
D. Project Dn.	"	37	N. Arcot	Palar	Improving Palar river Channels – N. Section	This as well as the improvement of Irrigation in the S. Section is now under consideration with a view to the submission of a complete Estimate System, as required by the Govt of India.
5th Circle	"	39	do	Cheyair	Cheyair river.	There is no information regarding these Projects
5th Circle	"	40	S. Arcot	"	Athur Project	
5th Circle	"	41	"	Trinaneemootanaddy –	Pullagacherry Channel Project	Partly investigated
B. Project Dn.	B	43	Salem	– – –	Pennaconda puram Tank Project	These were commenced as Famine Relief Works. Projects are expected to be submitted shortly.
do	"	44	"	Sunnath Cornar river	Maraudahully Project	
do	"	45	"	Ponniar river	Baroor Project	
4th Circle	"	47	Coimbatore	Caveri	Improvement & Extension of Poogalore Channel	Commenced as Famine relief Work
4th Circle	"	48	"	Bhavani river	Channel from Bhavani to the Noyel —	Not investigated.
D. Project Dn.	"	49	Trichinopoly	Caveri	Vengur Channel project	Estimates have been prepared, but require revision –
	"	50	"	"	Kodum Koray Tank project	
6th Circle	"	57	Tinnevelly	Tambraparni	Maradur Channel improvement –	
D Project Dn.	C	VII	Ganjam	Korkey river	Mallada Tampara	See remarks above – B–2
Not allotted	"	IX	Godavari	Yerracalva	Unnamalunka reservoir	Project has been investigated, but may require revision
do	"	X		Pennair	Gondicotta reservoir	Proposed but not investigated –
do	"	XI	Nellore	do	— Reservoir	
do	"	XII	Kurnool	Kistna	Great Kistna reservoir	Proposed by Sir A. Cotton
B. Project Dn.	"	XVIII	Salem	Ponniar river	Krishnagiri reservoir	Partly investigated –
do	"	XIX	Salem	Stream from Shevaroy Hills	Vanias reservoir	Partly investigated
	"					
do	"	XX	"	Swatanadly	Goodanully reservoir	Site Examined & favorably reported on.

B. Project Do.	C	XXI	Coimbatore	Caveri	Allambady Reservoir	Not investigated
	"	XXIX	Madura	Pitchiaur	Tank in Kalikootti manoor valley	Partly investigated - will not be taken up if Perryaur Project is sanctioned.
Not allotted	"	XXX	"	Palar	Pulney reservoir	
	"	XXXI	"	Vigay	Gullapuram reservoir	
	"	XXXII	"	do	Reservoir near Battagondu	
D. Project Do.	"	XXXIII	Tinnevelly	Tambraparni	Papanassam reservoir	Not investigated

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No. 52. I.

Enc 4

Note by the Ag. Chief Engineer for Irrigation.

The accompanying statements have been prepared from the Lists submitted with this Office No. 55 - I d/ 21 February 1879 which were forwarded to the Famine Commission and are printed in Appendix V of the Report of Famine Commission showing under three different heads the Projects proposed in the Madras Presidency for the extension of Irrigation.

Statement No. I shows the Projects which have been either sanctioned or submitted for sanction, and which are therefore disposed of.

Statement No. II shows the Projects which, it is now considered, may be indefinitely postponed, the reasons for adopting this course are given in the remark column. It might be said that they may now be altogether set aside, but there are some which when the large systems have been worked out and the population has increased, it may be possibly advisable to investigate.

Statement No. III shows the Projects which it is proposed to take up and thoroughly investigate, and the agency by which it is suggested the work shall be done. It includes the Projects now being investigated in the Project and other Divisions, and every work entered in the Lists above referred to not named in Statements Nos I and II except those affecting existing Irrigation and which are not capable of any considerable extension.

Statement No. IV shows all these Projects in the order in which it is proposed to take them up, the 13 works not allotted being reserved until further progress has been made in the Project Divisions.

2. It is possible that some of the Projects which it is now proposed to work out, may prove so remunerative that the works may be classed as Productive Public Works, but this can only be ascertained after they have been worked out. They are all Protective works and as such the Establishment provided for from funds allotted for the prevention of famine may properly be employed on them.

3. A recent order of the Government of India makes a distinction between Works intended for the prevention of famine, and works intended for execution during famine, and apparently contemplates the complete investigation of projects which answer the first condition only. Now, although as stated above, all the works referred to may be classed as Protective works, many of them would be suitable for the employment of famine labor, but until they are investigated it is impossible to ascertain to what extent they will be useful as Famine Works. Generally speaking all those Projects which contemplate the construction or improvements of Reservoirs would, to a greater or less extent, provide employment for famine labor, but to class these works as Famine Works and therefore only partially to investigate the Projects and prepare rough estimates

would, it is considered, lead to a waste of time and money. Allowing that they are Protective works, the Projects should thoroughly be worked out and submitted in such a complete state that the work can be commenced forthwith if necessary. They cannot be commenced for some time to come and therefore many of them will, in all human probability, remain available for the employment of labor when failure of the monsoon rains has again induced scarcity or famine. To show how far these works will be available as Famine works, it might be well to append to the Estimates, when submitted, a statement showing the number of skilled and unskilled laborers that could be employed on them for, say, 6 months.

4. In Statement No. IV it will be seen that a very long list of Projects has been allotted to the C. Project Division. This Division is working and will work in the 3rd Circle, which comprises the

Districts

GOVERNMENT OF MADRAS

2

Districts of Cuddapah, Kurnool and Bellary, a part of the country which is most liable to suffer from failure of the rains. The Projects proposed contemplate the diversion and storage of the flood water of the rivers which traverse these Districts and many of them have been worked out in connection with the Madras Irrigation and Canal Company's works, the plans &c prepared by the officers of that Company having been handed over to Government. There is therefore a great deal of work already done, and it is now proposed to take up the rivers systematically, examining the Projects already investigated in turn, and to work out such schemes as may promise most effectually to utilize the water supply.

5. In Statement No. II the Nilgiri Reservoirs are included as Projects to be indefinitely postponed, and in Statement III in the remark opposite the Neringipett Anicut, reference is made to the Bhowani reservoir which was not included in the original lists.

This reservoir was proposed to be constructed somewhere near the junction of the Bhowani and Moyar rivers, which together fall into the Caveri; it was partially investigated and reported on by Major Montgomerie R.E. in May 1880 and is intended as a Flood Regulator, to supplement the supply of water to the Caveri Delta, and also to supply some local cultivation. It is considered very important that the subject of flood regulators on one of the rivers supplied by the S.W. Monsoon, should be taken up and it is now thought, after the investigations that have been made that such reservoirs can more probably be provided at reasonable cost at the foot of the Hills rather than in the Hills.

Ootacamund }
18th May 1882 }

Jo. Mullins Colonel R.E.
Ag: Chief Engineer for Irrign

To

The Joint Secretary to Govt
P.W.D. I.B.

Mc No 3823

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6

Statement of Irrigation Projects referred to in List accompanying this Office No. 55
dated 21 February 1879 which have been disposed of.

	Reference to List		District	System or Source of Supply	Name of Project	Remarks
	List	Number				
7	3 A	5 A	7 Godavari	7 Godavari Delta System	10 11 Eastern Delta Completion	14 Estimates have been submitted to the Gov of India.
	"	B	"	"	Central Delta Completion	
	"	C	"	"	Western Delta Completion	
	"	E	Kistna	Kistna Delta System	Eastern Delta Completion	Estimates have been sanctioned by the Secr of State.
	"	F	"	"	Western Delta Completion	
	"	M	Nellore	Pennar river	Sangam Project	Estimates have been sanctioned by Secretary of S
7	"	N	Tanjore	Caveri Delta System	Upper Anicut - Regulation of the Caveri at Grand Anicut	Estimates have been sanctioned by Secretary State
	"	W	Tinnevelly	Tambraparni	Srivaikuntham Anicut	Estimates have been submitted to the Govt of M
	B	1	Ganjam	Rushkuliya	Rushkuliya Project	Estimates have been submitted to the Govt of M

19/5/82.

II

Statement of Irrigation Projects referred to in Lists accompanying this Office No. 55 I. dated 21 Feby 1879 to be indefinitely postponed.

7

7

Reference to Lists		District	System or Source of Supply	Name of Project	Remarks
List	Number				
3	5	7	7	10 11	14
A	D	Godavari	Godavari river	Polavaram Anicut	It is only necessary to quote the late Col: Anderson's remark "it cannot seriously be thought of until the Delta System has been fully Completed."
B	3	Ganjam	Vamsadhara river	Vamsadhara or Chicacole Project	Investigations that have hitherto been made on these projects have shown that the Zemindari rights are almost an insuperable bar to the improvement of irrigation.
"	4	Vizagapatam	Sarada	Kristnaraz Channel	
"	5	do	do	Konda Kirla Ava Project	
"	6	do	Nagavalia river	Nagavalia River Project	
"	7	Kistna	"	Dondapad Tank	These Projects have been to some extent investigated. They are not recommended as scantiness of population prevents extension of irrigation. Moreover the Delta Works in the District will be in progress for many years to come, and irrigation is steadily increasing under these works.
"	8	do	"	Kolapilly Tank	
B	9	do	"	Vippurla Tank	
"	10	do	Muneyar	Muniyar Anicut	
"	11	do	Nagaleru	Bunding Nagaleru	
"	12	do	Peddavagu	Bunding Peddavagu & Yeddavagu	

B	38	North Arcot	Cheyair	Mambaukum Project	This was examined & set aside some years ago.
"	42	Salem	Kurambapilly	Badatalas Project	do
"	46	do	Ponniar	Malapady Tank Restoration	do
C	III	Ganjam	Mahanadi	Kollada reservoir	These reservoirs were proposed with the Rushkuliya Project which has just been submitted but were not considered necessary.
"	IV	"	do	Booliagutah do	
"	V	"	Goodaholo	Goodaholo do	
"	VI	"	do	Mutchycotta do	
"	VIII	Vizagapatam	Sarada	Kondakirla ava	Referred to above. B. 5
"	XII	Kurnool	Goondlacumma	Monadavaram Reservoir	See remarks. B. 7 to 12.
"	XIV	Bellary	Chitravati River	Parnapally reservoir	This has been given up, as borings in the bed of the river have shown that a safe foundation for the dam cannot be obtained.
"	XV	Mysore	Hudra river	Luckavally River	These Projects were partially investigated in connection with the Madras Irrigation and Canal Co's works but have been given up. The right of the Madras Govt to store & make use of the water of rivers in foreign territory cannot be established.
"	XVI	do	Tunga river	Moodaba Reservoir	
"	XVII	do	Choardy river	Masoor Reservoir	
"	XXII	Malabar Coimbatore	Bhavani	Palavoor Reservoir	Some of these Projects have been investigated and an attempt (which failed) was made to construct the bund of one of the reservoirs by the silting process. It is now considered that sites for the construction of reservoirs to regulate the flood waters of the Caveri should not be looked for in the Hills
"	XXIII	do	do	Kottamula reservoir	
"	XXIV	Nilgiri	Pykara river	Pykara Reservoir	
"	XXV	do	Drainage into Moyar	Kunjanad Reservoir	
"	XXVI	do	Poorthy	Lake Victoria	
"	XXVII	do	do	Lake St Lawrence	
"	XXVIII	do	Sandy Nullah	Sandy Nullah.	

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IV

Statement showing Irrigation Projects in progress or to be taken up, in order of importance

Division or Circle to which work is allotted	Reference to Appendix V Report of Famine Commission		District	System or Source of Supply	Name of Project	Remarks.
	List	Number				
1	3	5	7	9	10 #	14
B. Project Dn.	B	43	Salem	–	Pennacondapuram Tank	
	"	44	do	Sunnett Comaz river	Marandahully project	These are nearly completed
	"	45	do	Ponniar river	Barow channel	
	C	XIX	do	"	Vaniar reservoir	In progress
	"	XVIII	do	do	Krishnagiri reservoir	It is possible that very little work will be needed here
	A	V	do	Caveri	Nerinjapett Anicut	The work is entered in the list referred to in Col. 2 but will probably be superseded by the Bhavani reservoir near Settemungalam, reported on by Major Montgomerie, which it is proposed now to investigate.
	C	XX		Swatanaddy	Goodanully reservoir	
	"	XXI	do	Caveri	Allambady reservoir	
C. Project Dn.	B	32	Bellary	Pennair	Hindoopur reservoir	These are nearly completed
	"	33	do	do	Roddam reservoir	
	A	V	Madura	Vigay	Perryaur Project	This is about to be taken up by Major Pennycuick

C Project D^n:	B.	16 37 34	Cuddapah Kurnool and Bellary	Penner Hindry Huggry and minor rivers		It is intended that the rivers should be taken up successively & thoroughly investigated. All projects hitherto proposed including those investigated by the M I & Co, the surveys & plans of which were made over to Govt being taken into consideration – This has to be put into shape – the work is mentioned both in list B and list C.
	B C	2 VII	Ganjam	Korkay river	Mullade Tampara Project	
	A	11	Bellary	Tungabudra river	Upper Bellary project	
D. Project D^n:	B	37	N. Arcot	Palar	Improving river channels North Section	The North Section only is mentioned but the South Section has to be taken up also much of the work has been done.
	C	XXXIII	Tinnevelly	Tambraparni	Papanassam reservoir	
	B.	49	Trichinopoly	Caveri	Vengur Channel Project	
	"	50	"	do	Kodunthoray Tank Project	
	A	0	S. Arcot Tanjore	Coleroon River	Lower Coleroon Anicut	
4th Circle	B	47	Coimbatore	Caveri	Pugalur Channel	
	"	48	do	Bhavani	Channel from Bhavani to Noyel	
5 Circle	B	40	S. Arcot		Athur Project	
	"	39	N. Arcot	Cheyair	Cheyair River	
	"	41		Trimaneemootoonaddy	Pullagacherry Channel Project	
Not allotted	B	13	Nellore	– – – –	Restoring Adurapillai Tank of Guddalore	
Do	"	14	do	– – –	Restoring Timmalapady Tank	
Do	B	15	Nellore	– – – –	Restoring Gaudipalam Large Tank.	
do	B	35	Chingleput	Namaveram River –	Improving Irrigation under Namaveram River.	
do	"	36	"	Cortilair river	Channel from Anicut at Samarapakam –	
do	C	IX	Godavari	Yerracalva	Unnamalunka Reservoir	
do	"	X		Penner	Gaudicotta Reservoir	
do	"	XI	Nellore	do	—— Reservoir	
do	"	XIII	Kurnool	Kistna	Great Kistna Reservoir	
do	"	XXIX	Madura	Pitchiar	Tank in Thalei north Mamoor valley	Will not be taken up if the Periyar project is sanctioned
do	"	XXX	"	Palar	Pulney reservoir	
do	"	XXXI	"	Vigay	Gullapuram Reservoir	
do	"	XXXII	"	do	Reservoir near Batlagoondoo.	

19/5/82

B.W. 54
3840/83

B No. 3308 W of 14.12.82
16-8-07 ✓

No. 1339 W of 9th May/83

B

Sanctioned as recommended by the Supg Engr.

C.J.
1/5

~~Abt~~

3/5/83

Dy W
10/5

S.E. First Circle ✓
Examiner P.W. Acct ✓

ord 1/5 Recd 7/5
Ms 2.5

30/5

P.W.C. No. 3624 ✓

From

The Supdg Engineer
1st Circle

To

The Chief Engineer
P.W. Department

Dated 23rd
Despd 25th } April/83
Recd 30

No. 226 G.A.

Enclosure
B No. 1339 W of 9.5.83

D. Eswarayya - Suit brought against — Postage &c Charges connected with the — Requests to obtain sanction of Govt authorizing the Examiner to pass the — order
Subd. in Receipt Regr

Subdi. Receipt

by the court to the Pleader is Rupees 6 but since that decree the pleader has aided me much in enforcing the payment (Eswarayya decamped and had to be arrested) and I consider that his services will not be paid too highly if he be given Rupees 12 and I have the honor to request permission to so pay him; of this Rupees 6 are recovered from Eswarayya.

I have the honor to be
Sir
Your Most Obedient Servant

Offg. Superintending Engineer 1st Circle

Comp'd JK

B No. 3308 W of 14. 12. 82
16-8-07 ✓

No. 1339 W of 9th May/83

B

Sanctioned as recommended by the Supg Engr

CJ
1/5

~~Attt~~

3/5/83

Dy W
10/5

S. E. First Circle ✓
Examiner P.W. acts

ords 1/5 Rept 7/5
Ol 2.5

P.W.C. No. 3624 ✓

From

The Supdg Engineer
1st Circle

To

The Chief Engineer
P. W. Department

Dated 23rd }
Despd 25th } April/83
Recd 30 }

No. 2264 W.

B No. 1339 W of 9. 5. 83
Enclosure

D. Eswarayya - Suit brought against - Postage &c Charges connect-ed with the - Requests to obtain sanction of Govt authorizing the Examiner to pass the -

Entd. in Receipt Regr

...ir No. 1053 of 8. 4. 83 ...

ords 1/5 Rept 7/5

Entd. in Receipt Regr