(1) பக்கங்களின் எண்ணிக்கை 32

(2) புதுக்கித் திருப்பிய நாள் 26/9/88

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம் 27.9.88

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

பொதுப்பணி துறை

அரசாணை எண். 3121(W) அச்சகம்
மு. கோப்புத் தான் எண். பலவகை

நாள் : 18-12-1884 198 .

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

ஆவண. கா-1—18,006—15-6-87.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

3121

General.
Establishment.

READ—the following paper:—

No. 104 E.W.

Note by the Chief Engineer for Irrigation.

The following revised estimate, amounting to Rs. 26,745, for the investigation of the Lower Coleroon Irrigation Project, is recommended for sanction in lieu of the one sanctioned in G.O., No. 2167 W., dated 3rd September 1884.

		Rs.
1	Executive Engineer	650
4	Overseers	320
2	Clerks	50
2	Draughtsmen	85
2	Messengers	14
30	Lascars	180
	Total	1,299
	Travelling allowance	399
	Contingencies	85
	Total per mensem	1,783
	Total for 15 months	26,745

2. The amount of survey and levelling work required to be done for the complete investigation of the project renders it probable that the establishment will be required for 15 months instead of for six months as was originally anticipated. Rs. 10,698 of the estimate will be spent during the current year, and the balance, Rs. 16,047, during the ensuing year.

CHEPÁK,
15th December 1884.

(Signed) A. S. RUSSELL,
for Chief Engineer for Irrigation.

To the Chief Engineer, Public Works Department.

ORDER—dated 19th December 1884, No. 3121 W., Public Works.

The revised estimate submitted by the Chief Engineer for Irrigation is sanctioned in supersession of that sanctioned in G.O., No. 2167 W., dated 3rd September 1884.

2. The Executive Engineer in charge of the project belongs to the permanent establishment, and no addition to the temporary Engineer establishment is thereby involved.

3. The sanction accorded in these proceedings has been registered as Provincial No. 76 W. of 1884-85, and classified as Establishment, Temporary.

(True Extract.)

Major, R.E.,
Under Secy. to Govt., P.W.D.

To the Chief Engineer for Irrigation.
" Superintending Engineer, VI Circle.
" " " V "
" Examiner, Public Works Accounts.
Exd A. Aubert.
Spare Copies

GENERAL.
ESTABLISHMENT.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated December, 19th.

Read. *Encl.*

G.O., 19th Dec. 1884, No. 3121 W.

DECEMBER.

Lower Coleroon Irrigation Project

Revised estimate for investigation of th
—, sanctioned.

3121.
2

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.

2

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 Completion.	
	..	E	Kistna ..	Kistna Delta System.	Eastern Delta Completion.	Estimates have been sanctioned by the Secretary of State.
	..	F	..	..	Western Delta Completion.	
	..	M	Nellore ..	Pennár River.	Sangam Project ..	Do. do.
	..	N	Tanjore ..	Cauvery Delta System.	Upper Anicut—Regulation of the Cauvery at Grand Anicut.	Do. do.
	..	W	Tinnevelly ..	Támbraparni.	Srivaikuntham 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. List.	Number.	District.	System or Source of Supply.	Name of Project.	Remarks.
	..	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.	Bhavâni ..	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	Nilgiris ..	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. List.	Number.	District.	System or Source of Supply.	Name of Project.	Remarks.
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 Bhavâni 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.	

3121/47

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

Division or Circle to which Project is allotted.	Reference to Lists. List.	Number.	District.	System or Source of Supply.	Name of Project.	Remarks.
	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 Battagondoo.	
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. List.	Number.	District.	System or Source of Supply.	Name of Project.	Remarks.
E. 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 Bhavání 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	2	Ganjam ..	Korkay River.	Mullada Tampara Project.	This has to be put into shape. The work is mentioned both in List B and List C.
	C	VII				.....
	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. ..	Bhavání ..	Channel from Bhavání 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 ..	Yerracalva ..	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.	

3121.

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, } with copy of letter.
" Consulting Engineer for Railways, }
" Superintending Engineer
" S.E. Tank Maintenance Scheme

xd. C. Howarth.
are Copies.

IRRIGATION.

Govt. of {1882} Madras.

PUBLIC WORKS.

Dated June, 13th.

Read. *Encl.*

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

JUNE.

Nos. 48-49.

**Irrigation Projects suitable f
Famine Relief.**

Statements of —, forwarded to Government of India.

4TH JUNE 1884, No. 1406 W., PUBLIC WORKS.

3121/6

PUBLIC WORKS DEPARTMENT.

General Establishment.

LETTER—from

COLONEL J. SHAW-STEWART, R.E.,

Secretary to the Government of Madras,

Public Works Department,

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,

PUBLIC WORKS DEPARTMENT.

SIR,

In reply to your letter, No. 601 G., dated 19th May 1884, I am directed to say that, as the number of Executive Engineers according to the sanctioned scale of establishment for this presidency is complete, and as, under the authority conveyed in your telegram dated 2nd May 1884, the vacancies on the authorised temporary establishment have been filled by selected Assistant Engineers of standing and experience, Mr. Lobb must, for the present, be considered as supernumerary.

2. In these circumstances, I am to suggest the advisability of recreating one of the Project divisions which have, under the orders of the Government of India, been abolished. In the lists forwarded with my letter, No. 466 I., dated 13th June 1882, there is a project for investigating the Lower Coleroon irrigation, embracing provision for embanking the lower portion of the Coleroon river, regarding which information has been called for by the Government of India in their letter, No. 62 I., dated 17th February 1882. The project is regarded by this Government as one of much importance, and cannot be undertaken unless the services of a special officer and establishment be made available for some months, probably for a year. It is proposed therefore to place Mr. Lobb in charge of this work, and I am to request the sanction of the Government of India to the appointment of an establishment costing Rs. 1,800-8-0 per mensem,* for one year, to be met from Famine Protective Funds.

	RS.	A.	P.
* 1 Executive Engineer, 3rd grade	650	0	0
Travelling allowance ...	150	0	0
1 Overseer	60	0	0
Travelling allowance ...	30	0	0
1 Surveyor	250	0	0
2 Surveyors at 100 each ...	200	0	0
2 Draftsmen, 1st class, at 60	120	0	0
2 Do. 2nd „ 42½	85	0	0
1 Clerk, IV class, 2nd grade	35	0	0
1 Do. V „ 1st grade	17	8	0
1 Messenger	7	0	0
1 Do.	6	0	0
20 Lascars	120	0	0
Contingencies	70	0	0
Total ...	1,800	8	0

I have the honor to be,

Sir,

Your most obedient servant,

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

OOTACAMUND,
23rd May 1884.

Exd. E. Fernandez.

Spare Copies

GENERAL.
ESTABLISHMENT.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated June, 4th.

Recd. *Enc*

4th June 1884, No. 1406 W.

JUNE.

Project Divisions

Suggesting, with reference to t
posed loan of the services of Mr.
Executive Engineer, Hyderabad, th
bility of recreating one of the —

3181
7

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following letter from Colonel W. S. TREVOR, R.E., Secretary to the Government of India, Public Works Department (General), to the Secretary to the Government of Madras, Public Works Department, dated Simla, 9th July 1884, No. 817 G.:—

In reply to your letter, No. 1406 W., dated 4th ultimo, I am directed to state that the Government of India has no objection to the project for investigating the Lower Coleroon Irrigation, embracing provision for embanking the lower portion of the Coleroon river, being taken up, but on the understanding that the outlay is charged to Provincial and not to Famine Protective Fund. It has already been pointed out in Public Works Department letter, No. 27-A.I., dated 6th February 1884, that such charges are met in other provinces from Provincial funds.

ORDER—dated 7th August 1884, No. 1914 W., Public Works.

The Government of India having declined to sanction a grant from Imperial funds for the investigation of the Lower Coleroon Irrigation project,* the work, which is of much importance, must proceed from Provincial funds.

* *Vide* G.O., No. 208 I., dated 6th March 1882.
„ „ „ 465 I., „ 13th June „

2. The Superintending Engineer, VI Circle, will now submit, for sanction, with the least practicable delay, a scale of temporary establishment, which should not cost more than Rs. 600 or Rs. 700 per mensem. The establishment will be placed under Mr. Lobb, Executive Engineer, 3rd grade, an officer appointed by the Government of India. The work can, it is expected, be completed in about six months.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, VI Circle.
„ Chief Engineer for Irrigation.
„ Examiner, Public Works Accounts.

Exd. A. Aubert.
Spare Copies

GENERAL.
ACCOUNT.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated August, 7th.

Read. *Encl.*

G.O., 7th Aug. 1884, No. 1914 W.

AUGUST.

Lower Coleroon Irrigation Project

Ordering, with remarks, the investigation of the —, funds being provided from "Provincial."

3/21/6

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following paper:—

No. 72 E.W.

Note by the Chief Engineer for Irrigation.

In reply to paragraph 2 of G.O., No. 1914 W., dated 7th August 1884, the Superintending Engineer, VI Circle, has, with his letter, No. 749 T.J., dated 16th August 1884, submitted an estimate, amounting to Rs. 2,300, for the temporary establishment and preliminary expenses required for investigating the Lower Coleroon Anicut Irrigation Project, by forming a new Project division to work under Executive Engineer Mr. Lobb. The work to be taken up is partly in the Tanjore and partly in the South Arcot district. Mr. Lobb has therefore been directed to consider himself directly under the orders of this office, and the Superintending Engineers concerned have been requested to furnish, through this office, instructions as to work to be done.

2. The estimate received from the Superintending Engineer, VI Circle, provides only for the work to be taken up in the Tanjore district, and not for the entire project. The following temporary establishment for six months is therefore recommended for the sanction of Government:—

	Monthly Salary.
	Rs.
1 Draughtsman	50
1 Do.	35
1 Clerk	30
1 Do.	20
2 Lascars at Rs. 7 each	14
4 Do. at „ 6 „	24
2 Overseers at Rs. 100 each	200
2 Do. at „ 80 „	160
24 Lascars at „ 6 „	144
	677
Contingencies	23
Total ...	700

3. Four overseers with six lascars for each have been proposed for taking surveys and levels, one for the South Rajen Voikal channel in the Tanjore district, one for the river on both sides, and two for the channels in the South Arcot district. To enable Mr. Lobb to start work without delay, he has, in anticipation of sanction, been provided with a clerk on Rs. 30 and two lascars on Rs. 7, and arrangements are being made to appoint one overseer on Rs. 100. It is suggested that three overseers of practical experience in surveying and levelling may be selected from the ordinary permanent establishment and detached for duty under Mr. Lobb, their places being filled up by temporary men.

6

4. The Superintending Engineer, V Circle, should sanction estimates for preliminary expenses required for the investigation of the project, the expenditure being met from the grant for minor original works in the South Arcot division.

5. Mr. Lobb has been directed to proceed forthwith to Cuddalore, to obtain from the Executive Engineer of the South Arcot division such information as he may be able to afford, and to report, after reference to the Superintending Engineer, V Circle, at what place his head-quarters should be fixed.

CHEPÂK,
28th August 1884.

(Signed) A. S. RUSSELL,
for Chief Engineer for Irrigation.

To the Chief Engineer, Public Works Department.

ORDER—dated 3rd September 1884, No. 2167 W., Public Works.

The proposals of the Chief Engineer for Irrigation are approved, and the estimate, amounting to Rs. 4,200, for temporary establishment to be employed under Mr. Lobb, is sanctioned as a charge against the budget grant for temporary establishment.

2. The latter part of paragraph 3 of the Chief Engineer's note will be dealt with by the Chief Engineer, Public Works Department.

3. The sanction accorded in paragraph 1 has been registered as Provincial No. 40 W. of 1884-85, and classified as Establishment, Temporary.

(True Extract.)

Major, R.E.,
Under Secy. to Govt., P.W.D.

To the Chief Engineer for Irrigation.
" Chief Engineer, Public Works Department.
" Superintending Engineer, VI Circle.
" " " V Circle.
" Examiner, Public Works Accounts.

Exd. E. Fernandez.
Spare Copies

3/21
9

9

GENERAL.
ESTABLISHMENT.

Govt. of {1884} Mad

PUBLIC WORKS.

Dated September, 3rd.

Read. *Encl.*

G.O., 3rd Sept. 1884, No. 2167 W.

SEPTEMBER.

Temporary Establishment

Estimate for — to be employed under Mr. Lobb, Executive Engineer, on the Lower Coleroon Anicut Project, sanctioned, as also certain proposals for Mr. Lobb's employment

No 72 E.W.

Note by the Chief Engineer for Irrigation

3121

In reply to para 2 of G.O. No. 1914 W. dated 7th August, 1884, the Superintending Engineer, Sixth Circle has, with his letter No. 747 J.J. dated 16th August 1884 submitted an estimate amounting to Rs 2,300 for the temporary establishment and preliminary expenses required for investigating the Lower Coleroon Anicut Irrigation Project, by forming a new project Division to work under Executive Engineer Mr. Lobb. The work to be taken up is partly in the Tanjore and partly in the South Arcot, District. Mr. Lobb has therefore been directed to consider himself directly under the orders of this office, and the Superintending Engineers concerned have been requested to furnish, through this office, instructions as to work to be done.

2. The estimate received from the Superintending Engineer, Sixth Circle, provides only for the work to be taken up in the Tanjore District and not for the entire Project. The following temporary establishment for 6 months is

is therefore recommended for the sanction of Government.

	Monthly salary
1 Draughtsman	60
1 —— Dº	35
1 Clerk	30
1 — Dº	20
2 Lascars at 7 Rs each	14
4 Dº — 6 Rs each	24
2 Overseers at 100 Rs each	200
2 —— Dº — at 80 Rs each	160
24 Lascars at 6 Rs each	144
Total	677
Contingencies	23
Total Rs	700

3. Four overseers with 6 Lascars for each have been proposed for taking surveys and levels, one for the South Rajen Vaikal channel in the Tanjore District, one for the river on both sides, and 2 for the channels in the South Arcot District. To enable Mr. Lobb to start work without delay, he has, in anticipation of sanction, been provided with a Clerk on Rs 30 and 2 Lascars on Rs 7, and arrangements are being made to appoint one overseer on Rs 100. It is suggested that three overseers of practical experience in surveying and levelling may be selected from the ordinary permanent Establishment and detached for duty under Mr. Lobb, their places being filled up by temporary men.

4. The Superintending Engineer, Fifth Circle, should sanction estimates for preliminary expenses required for the investigation of the project, the expenditure being met from the grant for Minor original works in the South Arcot Division.

5. Mr. Lobb has been directed to proceed forthwith to Cuddalore to obtain from the Executive Engineer of the South Arcot Division such information as he may be able to afford, and to report after reference to the Superintending Engineer, Fifth Circle, at what place his Head Quarters should be fixed.

A.S. Russell.

For Chief Engineer for Irrigation

Despatched 9th August 1884 29/8

To

The Chief Engineer
Public Works Dept.

Lr. C. No 11606 W Dt. 6.8.84
" " 12411 W. Dt. 7.8.84

Dt 26.7 Way 21 Sept 84

A

The proposals of the Chief Engr. for Irrigation are approved, and the estimate amounting to Rs. 4200 for temporary establishment to be employed under Lr. Lobb- is sanctioned as a charge against the Budget grant for temporary establishment

2 The latter part of para 3 of the Chief Engrs Note will be dealt with by the Chief Engr. Pub. D.

3 The sanction accorded in para 1 has been registered as Provincial No. 40 vide B 1884/85 and classified as Establishment temporary -

Ch E for Ex. Engr
Ch E Pub Dr
SE VI Circle
" V Circle
Ex. Engr PWD

29-8-84

Under order

3121
12

V

Govt. of (1884) Madras.

PUBLIC WORKS.

3121 W.

Dated

Read

Encl

G.O., 5 Sept 1884, No. 2167 W

Temp. Establishment

Rather - For employment under Mr Lobb, Ex Engr., on the Lower Coleroon Anicut Project, sanctioned as also certain proposals for Mr Lobb's employment.

E. I. Form No. 18.

OFFICE OF CHIEF ENGINEER FOR IRRIGATION,

Fort St. George, 15 Decr 1884

F. 104 E W

Note by the Chief Engineer for Irrigation.

3121.

The following revised estimate, amounting to Rs 26,745 for the investigation of the Lower Coleroon Irrigation project, is recommended for sanction in lieu of the one sanctioned in G.O. No. 2167 W. of 3rd September 1884.

1 Executive Engineer	Rs. 650
4 Overseers	320
2 Clerks	50
2 Draughtsman	85
2 Messengers	14
30 Lascars	180
Total	1,299
Travelling allowance	399
Contingencies	85
Total per mensem	1,783
Total for 15 months	26,745

The amount of Survey and levelling work, required to be done for the complete investigation of the project, renders it probable that the establishment will be required for

18

as merely unproved. The

for 15 months, instead of for 6 months as was originally anticipated. Rs 11,698 of the estimate will be spent during the current year, and the balance, Rs 16,047 during the ensuing year.

A. S. Russell.
for Chief Engr for Irrign

To

The Chief Engineer, P.W.D.

3121
18

Form No. 13.

From

The Chief Engineer for Irrigation,

To

The Secretary to Government,

Public Works Department.

Dated
Despatched } 187 ;
Received

ENCLOSURE

No.

Subject.

No. 3121-W PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 19th December 1887

3121/15

READ the following

From the Chief Engr: for Irrign: N.E. No. 104-E. Wy 15th Decr: 1887

The revised estimate submitted by the Chief Engr: for Irrigation is sanctioned in supersession of that sanctioned in G.O. 2167-W d/ 3rd September 87.

2. The Executive Engineer in charge of the project belongs to the permanent establishment, ~~This sanction does not therefore involve any~~ and no addition to the temporary Engineer establishment is thereby involved. The

ed in these Proceedings
has been registered as
Provincial No. 76 W of 1884-85,
and classified as Esta=
blishment, Temporary.

C.B.
18.12.84

10.12

Chief Engr. for Irrgn:
Supdg: Engr: III. Circle
—— do —— V. Circle
Examiner. P.W. Circle.

3121
16

10489

Govt. of {1884} Madras.

PUBLIC WORKS.

(17)

Dated 22/12/84

Rec'd. Encl.

G.O., 12 Dec. 1884, No. 1424

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