(1) பக்கங்களின் எண்ணிக்கை 38

(2) புதுக்கித் திருப்பிய நாள் ஏப்ரல் 1990

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம் மதி

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

பொதுபயனீடு துறை

அரசாணை எண். 135
மு. கோப்புத் தாள் எண்.

அச்சகம்
பலவகை

நாள் : 13-5-1890

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

ஆவண. கா-1—18,006—15-6-87.

1351

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Civil Works.
Irrigation.

READ—the following paper :—

No. 57 E.W.

Note by the Chief Engineer for Irrigation.

As, under the orders restricting expenditure, the Project divisions, which were started in 1882 with the object of working out projects which might be sanctioned either as productive or protective public works or might be available for employment of labor as famine relief works, are now about to be abolished, it is considered advisable to lay before Government the results of their labors; and the best method of so doing seems to be to take the statements Nos. III and IV printed with G.O., No. 465 I., dated 13th June 1882, showing the projects which had been proposed and those in progress or to be taken up in order of importance, and recast them so as to show by references what has been done and what still remains as proposed to be done at some future time.

2. In the second column, headed References, the letters A, B, &c., have the following meanings :—

A—Works completed or in progress.
B—Works sanctioned but not commenced.
C—Estimates ready; work could be put in hand at short notice.
D—Partially investigated and left so that work can be taken up again.
E—Abandoned.
F—Being revised or investigated under Superintending Engineers.
G—May be subsequently investigated.

3. Under A there are three works, namely—

(1) Pennagoondapuram tank; completed.
(2) Barur channel; in progress and will probably be completed next year.
(3) Pálár anicut completion project; in progress.

4. Under B there is only one work—the Periyár project, which is waiting allotment of funds.

5. Under C there are nine works—

(1) Marandahalli project.
(2) Vaniar reservoir.
(3) Hindupur reservoir.
(4) Roddum reservoir.
(5) Sugglair project.
(6) Peddapasula channel irrigation.
(7) Upper Bellary project.
(8) Lower Coleroon anicut project.
(9) Calingaroyen channel.

For the last three of these the estimates have not yet been received, but the plans have been partly examined by the undersigned on the spot, and the proposed works have been to some extent discussed with the Superintending Engineers; and it seems probable that the last two may prove productive works, and the first a protective work. All the works would be available for the employment of famine labor, but it must be allowed that, as most of them include much work which can only be executed by skilled labor, they are not the most desirable description of famine relief work, which should be simple earthwork when possible.

6. The works under D are only three—

(1) Krishnagiri reservoir.
(2) Bhaváni reservoir.
(3) Anamalanka project.

On the first of these a great deal of work has been done, and the project could be worked out in a few months; but at present there is no certainty that the work would promise well. On the second a good deal of work has been done, and it seems probable that a large reservoir here would prove a most valuable work, irrigating a considerable extent of country besides helping to regulate the floods in the Cauvery, which often prove disastrous to the Tanjore delta. The third work was investigated a long time ago, and has been laid aside till the Godávari delta works are completed.

7. The works classed under E and detailed in the statement may, it is considered, be finally abandoned and left out of all future statements of projects to be investigated.

8. Those under F are still left to be investigated as opportunity offers, but, so far as it is known, there is little probability of any one of them proving of great value as an irrigation work.

9. Attached to the above statement is another list showing works which were not proposed in 1882 but have since been proposed or estimated for, and which might be of use as famine relief works. Of these the Ganjam-Gopálpur canal has been sanctioned, but its execution is postponed until the Rushikulya project is further advanced, as there is little doubt but that the available labor would not suffice to carry out both works at the same time. The diversion of the Kurnool canal at Tangadancha is intended to obviate the risk of a breach which is incurred by strong monsoon winds acting on the great extent of the Tangadancha tank. It would be a great improvement, and has been estimated for by the Executive Engineer; but for want of funds the work has been postponed.

The Kurnool canal distributaries are being estimated for by the division officers, and some of the estimates have been prepared. The works will be carried out as funds permit, but it is likely to be some years before they will be completed. Should occasion arise, they can be proceeded with at any time.

The boat canal at Dumagudem is not likely to be recommended for execution, but might be taken up as a relief work.

The improvement of the West Coast canals, it was hoped, would have been commenced by this time, but no funds are available. The estimate has, in part, been prepared and is being worked out. Should relief work be necessary on the West Coast, this would be a suitable work.

The Cheyár embankment has been estimated for, but no funds are available; it would make a good relief work, though small.

The Sámalkót-Tuni canal, which would form a part of the continuation of the coast navigation northward, would need a great deal of preliminary work before it could be commenced, but it would make a good relief work.

The drainage of Tanjore is a work which needs attention and can now only be taken up piece-meal. It was, however, found, during last famine, that there was great difficulty in bringing down labor from the districts suffering from famine into the deltas, and it is much better, if possible, to start works in the distressed districts.

10. It may be well, in conclusion, to say a few words on the scheme of work for the immediate future for the presidency, now that, as shown in the accompanying lists, several projects have been wholly or partially worked out.

The works at present in progress are the Godávari and Kistna completion projects, the Sangam project, the Pennér completion project, the Pálár completion project, the Barur project, the Cauvery and Vennár regulators, the Srívaikunthaw project, the Rushikulya project, and the Buckingham canal. Of these, Sangam, Barur, Cauvery and Vennár, and Srívaikuntham will be virtually completed next working season; the Pennér and Pálár will not require many seasons' work; the Godávari is also approaching completion, and the Rushikulya, Kistna, and Buckingham canal will continue for some years. It is hoped that the Periyár, which has been sanctioned, will take the place of those first completed, and then the Calingaroyen channel improvement is considered of next importance; after it, the Lower Coleroon improvements. The Upper Bellary project estimates have not yet been submitted, but if the modified project now being worked out proves feasible, the importance of extending irrigation in Bellary would give it the first place among works to be carried out.

The most important large work is then the Bhaváni reservoir, the estimates for which should be worked out as soon as opportunity offers; as, so far as investigations have gone, it seems that this project will afford the best opportunity of extending irrigation considerably.

Some minor projects, such as the Sugglair, might at the same time be undertaken if funds permitted. Most of the above are irrigation works which will probably prove remunerative and also be of value as famine protective works, but there are also the coast canals, which it is desirable should be pushed on with if funds can be made available. The improvement of the West Coast water communication has, it is considered, great claim on Government, and if Provincial funds can be spared, this work should go on without reference to the irrigation works, with the progress of which it would not interfere.

OOTACAMUND,
5th July 1886.

(Signed) J. O. HASTED, Colonel, R.E.,
Chief Engineer for Irrigation.

To the Chief Engineer, Public Works Department.

ENCLOSURES.

STATEMENT No. IV, printed with G O., No. 465 I., dated 13th June 1882.

No.	Reference.	District.	Name of work.	Amount of estimate.	Remarks.
				Rs.	
1	A.	Salem ..	Pennagoondapuram tank.	71,416	Work carried out.
2	C.	Do. ..	Mavandahalli project ..	4,60,878	Plans and estimates prepared.
3	A.	Do. ..	Barur channel	4,25,300	Estimates revised. Work in progress.
4	C.	Do. ..	Vaniar reservoir ..	17,07,437	Plans and estimates prepared.
5	D.	Do. ..	Krishnagiri reservoir ..	About 40,00,000	Project partially worked out; left so that it can be taken up without delay when necessity arises.
6	F.	Do. and Coimbatore.	Nerrinjipett anicut ..	..	Plans and estimates under revision by Executive Engineer.
	D.		Bhaváni reservoir ..	..	Project partially worked out; left so that it can be taken up without delay when necessity arises.
7	G.	Salem ..	Goodamally reservoir ..	..	Site examined and favorably reported on in 1878; nothing since done.
8	G.	Coimbatore ..	Allambady reservoir ..	About 1,93,000	Proposed. Nothing done.
9	C.	Bellary ..	Hindupur reservoir ..	About 1,73,000	Plans and estimates prepared.
10	C.	Do. ..	Roddam reservoir ..	64,41,463	Do. do.
11	B.	Madura ..	Periyar project ..	About 7,03,400	Sanctioned by Secretary of State; allotment of funds awaited.
12	C.	Cuddapah ..	Sugglair do. ..	About 20,00,000	Plans and estimates prepared; under revision by Executive Engineer.
13	G.	Kurnool ..	Talarycheruvu Dyalla tank restoration.	..	Preliminary report received; nothing since done.
14	G.	Cuddapah ..	Anicut on Papadry ..	34,860	Proposed. Nothing done.
15	C.	Do. ..	Peddapasula channel irrigation.	About 46,000	Plans and estimates prepared.
16	G.	Kurnool ..	Venkatareddipolliem tank restoration.	About 20,000	Preliminary report made in 1876; nothing since done.
17	G.	Do. ..	Arveed tank restoration..	50,000	Nothing done.
18	G.	Do. ..	Kalavatala tank project ..	..	Partially investigated in 1871; nothing since done.
19	G.	Do. ..	Duvulair project ..	..	Partially investigated in 1877; nothing since done.
20	G.	Do. ..	Taikoor reservoir ..	..	Do. do. do.
21	E.	Do. ..	Davanapilly reservoir ..	..	Partially investigated by Madras Irrigation and Canal Company and abandoned.
22	G.	Do. ..	New tank, south of Arveed.	..	Proposed. Nothing done.
23	G.	Do. ..	Garladinna tank ..	..	Do. Do.
24	G.	Do. ..	Tank sites in Márkápur taluk.	..	Do. Do.
25	G.	Bellary ..	Bookácherla project ..	13,95,040	Estimates returned to Superintending Engineer in 1877; nothing since done.

Statement No. IV, printed with G.O., No. 465 I., dated 13th June 1882—*cont.*

No.	Reference.	District.	Name of work.	Amount of estimate.	Remarks.
				Rs.	
26	G.	Bellary ..	Potalacoonta tank project.	About 16,000	Partially investigated prior to 1877; nothing since done.
27	G.	Do. ..	Mylapore Huggry reservoir.	..	Do. do. do.
28	F.	Ganjam ..	Mullada Tampara project.	30,700	Estimate is being revised by the Executive Engineer.
29	C.	Bellary ..	Upper Bellary project ..	..	Plans and estimates of modified project nearly ready for submission.
30	A.	North Arcot ..	Pálár anicut completion project.	19,93,893	Estimate sanctioned, and work in progress.
31	E.	Tinnevelly ..	Pápanásam reservoir ..	..	Site inspected by the Chief Engineer for Irrigation and proposal abandoned.
32	E.	Trichinopoly ..	Vengur channel project.	28,210	Project ordered to be abandoned by Government.
33	F.	Do. ..	Kodunthoray tank do.	15,000	Estimates prepared and under consideration by Superintending Engineer.
34	C.	South Arcot and Tanjore.	Lower Coleroon anicut project.	..	Surveys and estimates completed; will be submitted shortly.
35	C.	Coimbatore ..	Púgalur channel ..	1,07,500	Abandoned in favor of extension of Calingaroyen channels, plans and estimates for which have been completed and will be submitted shortly.
36	G.	Do. ..	Channel from Bhavání to Noyel.	..	Nothing done since 1879.
37	G.	South Arcot ..	Athur project	..	Nothing done since 1873.
38	G.	North do. ..	Cheyár river	..	Do. do.
39	G.	Do. do. ..	Pullagancherry channel project.	..	Do. do.
40	G.	Nellore ..	Restoring Adurapillai tank.	15,000	Suggested in 1869; nothing done since.
41	G.	Do. ..	Restoring Timalapady tank.	20,000	Do. do.
42	G.	Do. ..	Restoring Gundipolem tank.	1,00,000	Do. do.
43	G.	Chingleput ..	Improving irrigation under Narnaveram river.	3,00,000	Partially investigated in 1869-70; nothing done since.
44	F.	Do. ..	Channel from anicut at Tamarapakam.	..	Under consideration of Superintending Engineer.
45	D.	Godávari ..	Annamalanna project ..	..	Further investigation left till Godávari delta works are completed.
46	G.	Nellore ..	Gandicotta reservoir ..	..	Proposed. Nothing done.
47	E.	Kurnool ..	Great Kistna do. ..	..	Do. Do.
48	E.	Madura ..	Tank in Thalinooth Mannoor valley.	4,20,000	Abandoned, Periyár project having been sanctioned.
49	E.	Do. ..	Palni reservoir ..	1,46,056	Do. do. do.
50	E.	Do. ..	Gullapuram reservoir ..	6,70,000	Do. do. do.
51	E.	Do. ..	Reservoir near Batlagunda.	..	Do. do. do.

Works in contemplation that might be available as famine relief works.

No.	District.	Name of work.	Amount of estimate.	Remarks.
			Rs.	
1	Kurnool ..	Kurnool canal diversion at Tangadancha.	60,000	Estimates prepared; work could be marked out at once.
2	Do. ..	Kurnool canal distributaries ..	4,00,000	Plans and estimates under preparation; some are understood to be ready.
3	Ganjam ..	Ganjam-Gopálpur canal ..	4,51,145	Estimates sanctioned by the Secretary of State; work not to be commenced till Rushikulya is further advanced.
4	Godávari ..	Boat canal from Dumagdem to Bhadráchalam.	4,55,300	Estimate prepared; under revision by Superintending Engineer.
5	South Canara ..	West Coast canals	..	Estimates partly ready; being prepared by Superintending Engineer.
6	Cuddapah ..	Cheyér embankment	47,750	Estimates prepared and waiting for allotment of fund.
7	Godávari ..	Sámalkót-Tuni canal	..	Project partially investigated by A Project division; survey and estimate necessary.
8	Tanjore ..	Drainages	..	Subject is under investigation by Superintending Engineer.

(Signed) J. O. HASTED, Colonel, R.E.,
Chief Engineer for Irrigation.

ORDER—dated 26th July 1886, No. 1877 W., Public Works.

Ordered to be forwarded for the information of the Government of India, with advertence to this department letter, No. 466 I., dated 13th June 1882.

2. The remarks in the last paragraph of the Chief Engineer's note, relative to the improvement of the West Coast canals, will be communicated to the Financial Department.

(Here enter No. 1878 W., dated 26th July 1886.)

(True Extract.)

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

To the Chief Engineer for Irrigation.
To Superintending Engineers.
To the Superintendent of Works, Tank Maintenance Scheme.
" Financial Department.
" Revenue "

ENDORSEMENT—dated 26th July 1886, No. 1878 W., Public Works.

Forwarded.

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

Exd. E. Fernandez.
Spare Copies

CIVIL WORKS.
IRRIGATION.

Govt. of {1886} Madras.

PUBLIC WORKS.

Dated July, 26*th*.

Recd. *Encl.*

G.O., 26th July 1886, No. 1878 W.

JULY.

Projects

A note by the Chief Engineer for Irrigation reporting what has been done and what has yet to be done with the several irrigation and other — in the Madras presidency, forwarded to the Government of India.

4/1359

10TH FEBRUARY 1888, No. 472 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers:—

Proceedings of Government, Revenue Department, dated 29th November 1887, Mis. No. 1109.

Read—the following letter from Sir E. C. BUCK, Secretary to the Government of India (Revenue and Agricultural Department), to the Secretary to the Government of Madras, dated Simla, 11th October 1887, Circular No. 65-F—11-2.

I am directed to inquire whether the programme of works suitable for famine relief, prescribed by sections of your code corresponding with sections 28 and 65 of the Provisional Famine Code, has now been completed for the Madras Presidency, and to request that the Government of India may be furnished with a statement showing the number of persons for whom in each district it is estimated that employment on relief works can be found, and that hereafter a corrected statement may be submitted on or before the 1st of April of each succeeding year, commencing with April 1889.

2. I am also to ask for a very brief description of the nature of any works or operations contemplated by section 30 of the Provincial Famine Code for famine relief, which are specially intended for the employment of the agricultural population in the vicinity of their villages. I am to make it clear that a list of such works is not required but only an explanation of their general character, *e.g.*, construction of tanks, banking up of ravines, irrigation or digging of fields, &c.

Order—dated 29th November 1887, Mis. No. 1109, Revenue.

Communicated to the Public Works and the Local and Municipal Departments and the Commissioner of Revenue Settlement, Land Records and Agriculture, with the request that the information required by the Government of India regarding the programme of works maintained in accordance with sections 27—29 and 106 of the Madras Famine Code, may be furnished to this department. The annual statement required by the Government of India should also be forwarded before 1st March in each year.

2. It appears from G.O., dated 26th July 1886, No. 1877 W., that a programme of works for certain districts has been prepared in the Public Works Department, but the Government are not aware of any action taken by district officers with regard to civil agency works since the promulgation of the Famine Code. The Board should submit a complete report on this subject.

3. The Board of Revenue will also report on paragraph 2 of the letter read above. The reference to "Provincial Code" is apparently a mistake for "Provisional Code." The corresponding portion of the Madras Code seems to be section 21 (3).

(True Extract.)

(Signed) J. F. PRICE,
Secretary to Government.

Proceedings of Government, Revenue Department, dated 24th January 1888, No. 552.

Read—the following letter from the Government of India, Revenue and Agricultural Department (Famine), dated 16th January 1888, No. 2 F.

Circular No. $\frac{65\text{ I.}}{11\text{-}2}$ of the 11th October 1887.

I am directed to invite attention to the communication marginally noted and to request the favor of an early reply thereto.

Order—dated 24th January 1888, No. 552, Revenue.

Communicated to the Public Works and the Local and Municipal Departments and the Director of Land Records and Agriculture with the request that the information asked for in G.O., dated 29th November 1887, No. 1109, may be furnished at an early date.

(True Extract.)

(Signed) H. A. STUART,
Under Secretary to Government.

ORDER—dated 10th February 1888, No. 472 W., Public Works.

Communicated to the Chief Engineer for Irrigation and the Consulting Engineer for Railways who will submit, as soon as possible, the programme of professional agency works required to be maintained under section 27 of the Famine Code. Against each work should be shown the number of famine laborers who can be employed on it.

2. The statements recorded with G.O., No. 1877 W., dated 26th July 1886, contain a number of irrigation projects that may be made available for famine relief purposes, but there is nothing to show what number of laborers are likely to find employment on them. The lists should now be reconsidered in this light.

3. The railway works in contemplation and those recently surveyed should also be taken up in the same manner, and such of them as are considered suitable for famine relief, embodied in one list with the number of laborers for whom they are likely to provide employment on the occurrence of famine, noted against them. It will thereafter be necessary, in accordance with the provisions of the circular recorded with G.O., No 982, dated 13th November 1886, Revenue, to obtain the approval of the Government of India to the inclusion of the projects in the "sanctioned programme of relief works."

4. As regards "Civil Works," there are generally a large number of uncommenced works available, which may, in certain cases, be utilised for the employment of famine labor, but they are not generally of such a character as would warrant their being included in the regular programme of famine relief works. No separate lists of these need therefore be made.

5. Attention is called to the instructions of the Government of India in paragraph 1 of their letter, No. 65-F.—11-2, dated 11th October 1887, requiring a corrected statement to be submitted on or before the 1st April of each year, commencing with April 1889. The return should be included in the list of periodical returns embodied in the Public Works Code.

(True Extract.)

(Signed) J. O. HASTED, Colonel, R.E.
Secretary to Govt., P.W.D.

To the Chief Engineer for Irrigation.
" Consulting Engineer for Railways.
" Examiner, Public Works Accounts.
" Revenue Department.
" Local and Municipal Department.

Exd. J. Moses.

Spare Copies

1351

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1888} Madras.

PUBLIC WORKS.

Dated February, 10*th*.

Recd. *Encl.*

G.O., 10th Feb. 1888, No. 472 W.

FEBRUARY.1

Famine Relief Works

Orders on Proceedings of the Revenue Department communicating letter from the Government of India requesting the annual submission of a statement showing the number of persons for whom employment can be found on — and a description of the nature of the works suitable for famine relief.

1351

6TH NOVEMBER 1888, No. 759, REVENUE.

GOVERNMENT OF MADRAS.

REVENUE DEPARTMENT.

READ—the following Proceedings of the Board of Revenue (Revenue Settlement, Land Records and Agriculture), dated 20th September 1888, No. 511 :—

W. WILSON, ESQ., M.A., C.S.

Read—again Proceedings of the Board of Revenue (Revenue Settlement, Land Records and Agriculture), dated 4th September 1888, Mis. No. 2395 :—

Read—the following letter from W. A. HAPPELL, Esq., Collector of the Godávari District, to the Secretary to the Commissioner of Revenue Settlement and Director of the Department of Land Records and Agriculture, dated Cocanada, 23rd June 1888, No. 39 : —

In reference to the Board's Proceedings, dated 24th January 1888, No. 27, Press, I have the honor to enclose a list of famine-relief works for the Principal and the Special Assistant Agents' divisions. The General Duty Deputy Collector, Narsápur Division (a purely delta tract), requires no famine works. The replies of the other divisional officers, to whom several reminders have been addressed, will be submitted when received.

Reference on the above, dated 29th June 1888.

The works proposed are either Professional Agency works or Local Fund works, which the Board believe will be reported to Government in the departments concerned.

2. The Collector is requested to report if he has no Civil Agency works as defined in section 21 (2) and (3) of the Famine Code to propose.

3. It should also be reported if No. 8 in the list (repairs to Yellavaram channel) is an imperial or a minor work.

(Signed) P. RAJARATNA MUDALIAR,
Secretary.

To the Collector of Godávari.

Read—the following letter from W. A. HAPPELL, Esq., Collector of the Godávari District, to the Secretary to the Commissioner of Revenue Settlement and Director of the Department of Land Records and Agriculture, dated Cocanada, 14th August 1888, No. 61 :—

Taluk.	Name of work.	Cost.
		Rs.
Narsápur...	1. Road from Mogaltur to the ferry at Kalipatnam *vid* Mutyalapalli, 6 miles (canal and ferry)	3,000
	2. Road from Kalagampudi-Polavaram to Pálakol *vid* Kalagampudi, Raja, and Varidhanam, 5 miles (canal and ferry)...	1,800

2. The Yellavaram channel is a minor irrigation work.

In reply to the reference order, dated 29th June 1888, on General Register No. 3146 of 1888, I have the honor to give in the margin a list of Civil Agency works in the district. The Head Assistant Collector's report will be communicated when received.

Resolution—dated 4th September 1888, Mis. No. 2395.

The Collector is requested to expedite the submission of his Head Assistant's report.

2. It is observed that the population of the Narsápur taluk, according to the last census, was 200,153. Five per cent. of this is 10,007. The estimated cost of the works proposed, viz., Rs. 4,800, would afford employment to them for only four days, assuming each laborer is paid on an average two annas a day.

(A true Copy and Extract.)

(Signed) P. RAJARATNA MUDALIAR,
Secretary.

To the Collector of Godávari.

READ—also the following letter from L. C. MILLER, Esq., Acting Head Assistant Collector, to the Collector of the Godávari District, dated Neggipudi, 29th August 1888, No. 532:—

In reference to your Memorandum, No. 624, on the Proceedings of the Board of Revenue, regarding the lists of famine-relief works, I have the honor to state that there are hardly any works defined in section 21 (2) and (3) of the Famine Code which would employ any considerable quantity of unskilled labor for any considerable length of time.

2. The tahsildars have not proposed any particular works, not having, apparently, realised that this is an annual report. There is probably no time to wait for any lists now; they will be called for and subsequently submitted if required.

3. The cattle pounds in this division may be repaired and some may be newly constructed from the Pound Fund. In Tanuku and Yernagúdem taluks, where the Canal and Ferry Fund Act is in force, some improvements may be made to the ferries and some sheds may be erected; but the amount that may have to be spent on these works and the time taken up by them would be so small that they cannot be called *relief works*.

4. The repairing of minor irrigation tanks, of which there is a pretty large number in this division, is the only work of agricultural utility, which can employ a sufficient number of the Agricultural population as contemplated by the Board; but repairs to these tanks are generally carried out from the funds allotted every year, as they require repairs immediately without waiting for a famine. It is, therefore, difficult or useless to enumerate the works. I would, therefore, propose to class minor irrigation tanks as one of the works, so that all those remaining unrepaired by the time the famine may visit will be at once taken up. For this year the present list of minor irrigation works may be sanctioned as relief works.

5. The amount spent on repairs to civil buildings is very small and the work affords little scope for the employment of unskilled labor. The only works detailed by the tahsildars are works which should be done by the Municipal, Public Works Department, or Local Fund works.

Endorsement by W. A. HAPPELL, Esq., Collector of the Godávari District, dated Cocanada, 7th September 1888, No. 72.

Submitted to the Secretary to the Commissioner of Revenue Settlement, Land Records and Agriculture, in continuation of this office letter No. 61, dated 14th August 1888.

Resolution—dated 20th September 1888, No. 511.

Submitted for the information of Government.

2. There are no Civil Agency works of any importance in the district. Relief can, therefore, be afforded only on Professional Agency and Local Fund works, which may be classified as follows:—

	RS.
Roads	2,54,700
Repairs to minor irrigation works	2,000
Construction of wells	2,400
Canal from Bhimavaram aqueduct to Tuni	1,50,000
Total ...	4,09,100

(True Copies and Extract.)

(Signed) P. RAJARATNA MUDALIAR,
Secretary.

To the Secretary to Government, Revenue Department.
„ the Collector of Godávari.

ORDER—dated 6th November 1888, No. 759, Revenue.

Miscellaneous.

The Collector does not seem to have given adequate consideration to the subject, but the Godávari district may be regarded as practically safe from famine and Government will not, therefore, insist on the submission of revised lists.

(True Extract.)

(Signed) C. A. GALTON,
Ag. Secretary to Government.

To the Commissioner of Revenue Settlement and
Director of the Department of Land Records and Agriculture.
„ the Public Works Department (Irrigation Branch).
„ the Local and Municipal Department.

Exd. S. J. Pereira.

70 Copies.

Recorded
(Sdy) F. J. W
29. a. 88.

Govt. of {1888} Madras.

REVENUE.

Issued

Recd. *Encl.*

G.O., 6th November 1888, No. 759.

NOVEMBER.

Famine-relief Works in Godavari District.

Passing orders on Board's Proceedings regarding —.

8/1351

GOVERNMENT OF MADRAS.

REVENUE DEPARTMENT.

READ—again G.O., dated 6th November 1889, Mis. No. 7146, Revenue.

ABSTRACT.—Recording Government Order, Local and Municipal, forwarding statements showing the famine-relief works proposed by the Local Boards and Municipalities in the districts of Ganjam, Vizagapatam, Godávari, Kistna and Nellore for 1889-90.

READ—again G.O., dated 6th November 1889, Mis. No. 7147, Revenue.

ABSTRACT.—Recording Government Order, Local and Municipal, forwarding statement showing the famine-relief works proposed by the Local Boards and Municipalities in the Ceded Districts and North Arcot for 1889-90.

READ—again G.O., dated 6th November 1889, Mis. No. 7148, Revenue.

ABSTRACT.—Recording G.O., dated 16th September 1889, No. 2056 L., Local and Municipal, forwarding statements showing the famine-relief works proposed by the Local Boards and Municipalities in the districts of Chingleput, South Arcot, Tanjore, Trichinopoly, Madura and Tinnevelly for 1889-90.

READ—again G.O., dated 20th January 1890, Mis. No. 372, Revenue.

ABSTRACT.—Recording statement showing quantities of earthwork available for excavation by famine-labor in various districts of the Madras Presidency.

READ—again G.O., dated 26th February 1890, Mis. No. 1387, Revenue.

ABSTRACT.—Recording Board's Proceedings (Revenue Settlement, Land Records and Agriculture), dated 13th February 1890, No. 712, Mis., stating that the Collectors of Godávari, Bellary, Anantapur, Chingleput, Tinnevelly and Salem have no fresh lists of famine-relief works to submit, as the lists already submitted by them hold good for 1889-90, and calling upon certain other Collectors to submit the lists for 1889-90 without further delay.

READ—G.O., dated 27th November 1888, Mis. No. 2218 L., Local and Municipal.

ABSTRACT.—Forwarding to the Revenue Department, with remarks, statement showing famine-relief works proposed in the Ceded Districts and North Arcot.

ORDER—dated 1st April 1890, No. 259, Revenue.

Miscellaneous.

Godávari. Chingleput.	Tinnevelly. Anantapur.

It is reported that in the marginally-noted districts the programmes of works proposed by the Collectors for the year 1888-89, as suitable for the employment of famine labor, hold good for the year 1889-90. The lists appended to this order show the works proposed by the several District Boards and Municipalities. In Chingleput, Tinnevelly and Anantapur the lists of Professional Agency works are the same as in the previous year.

2. No programmes of works have been drawn out for the districts of Malabar and South Canara, where there is practically no likelihood of famine ever occurring.

(True Extract.)

(Signed) C. A. GALTON,
Secretary to Government.

To the Local and Municipal Department, with enclosures to G.Os., Nos. 2056 L., dated 16th September 1889; 1859 L., dated 26th August 1889; and 2218 L., dated 27th November 1888.
„ the Public Works Department.
„ the Commissioner of Revenue Settlement, Land Records and Agriculture.

No. 259A.

Copy to the Government of India, Revenue and Agricultural Department, with a copy of G.O., No. 759, dated 6th November 1888.

(Signed) C. A. GALTON,
Secretary to Government.

APPENDIX.

Programme of Works suitable for famine-relief.

Godávari District.

Civil Agency works—

	Amount of Estimate. Rs.
Works proposed by the District Board—	
Construction of roads	1,84,300
Works proposed by the Collector.—*Nil.*	
Works proposed by Municipalities.—*Nil.*	
Professional Agency works—	
1. Canal from Samalkót towards Túni	4,00,000
2. Anumalanka project channels	9,00,000
3. Widening all Godávari embankments so as to fit them forwards.	No estimate has been prepared.
4. Bhadráchalam boat canal	4,55,300
Total ...	17,55,300

N.B.—These may be made available for the employment of famine-labor after further investigation.

Chingleput district.

I.—List of works proposed by the Collector.

	Estimate. Rs.
The list for the current year is the same as that for the last year	12,10,710

9/1351

II.—List of works proposed by the District Board.

Nature of work.	Probable outlay. Rs.
District Board—	
Metalling and other repairs to roads	60,000
Chingleput Taluk Board—	
1. Completing existing roads	146,400
2. Metalling and other repairs to roads	59,160
Total ...	2,05,560
Saidápet Taluk Board—	
1. Construction of roads	82,330
2. Metalling and other repairs to roads	1,75,980
3. Petty construction	2,500
4. Improvement of water-supply	8,175
5. Improvement of village sites	5,075
Total ...	2,74,060
Tiruvallur Taluk Board—	
1. Construction of village roads	995
2. Completing, metalling and repairing roads	19,300
Total ...	20,295
Grand Total ...	5,59,915

III.—List of works proposed by Municipalities.

	Probable outlay. Rs.
Conjeeveram Municipality—	
1. Re-coating of existing roads	1,200
2. Repairs to streets	350
3. Constructing a fish bazaar	290
4. Opening bye-lanes for private scavengering	200
5. Cutting side ditches	150
6. Sinking a fresh-water drinking well	70
7. Removing prickly-pear	50
Total ...	2,310

IV.—List of Professional Agency works which could be made available after further investigation.

These works are the same as those given in G.O., No. 796, dated 23rd September 1889.

Tinnevelly district.

I.—Civil Agency works proposed by the Collector.

These works are the same as those given in G.O., No. 787, dated 23rd September 1889.

II.—Civil Agency works proposed by the District Board.

Nature of work.	Probable outlay. Rs.
1. Construction of roads	3,19,900
2. Metalling and other repairs to roads	79,600
Total ...	3,99,500

III.—Civil Agency works proposed by Municipalities.

Nature of work.	Probable outlay.
	Rs.
Palamcottah Municipality—	
The works are the same as those given in G.O., No. 787, dated 23rd September 1889	30,000
Tinnevelly Municipality—	
Same as last year	50,000
Tuticorin Municipality—	
1. Metalling roads and streets	360
2. Maintaining roads	600
3. Digging foundation for drain	50
4. Filling up hollow places with sand	500
Total ...	1,510
Grand Total ...	81,510

IV and V.—Professional Agency works.

	Amount of Estimate.
	Rs.
Same as last year	1,23,773

Anantapur district.

I.—Civil Agency works proposed by the Collector.

Nature of work.	Probable outlay.
	Rs.
The works are the same as those specified in G.O., No. 860, dated 21st October 1889	10,48,032

II.—Civil Agency works proposed by the District Board.

Nature of work.	Probable outlay.
	Rs.
1. Construction of roads	4,000
2. Repairs to roads	3,600
3. Erecting a chuttram near Subbaya's well at Uravakonda ...	3,000
4. Paving a line in the Gooty fort	250
5. Water-supply	4,200
6. Improvement of village site	900
Total ...	15,950

III.—Civil Agency works proposed by Municipalities.

Nature of work.	Amount of outlay.
	Rs.
Anantapur Municipality—	
The works proposed are the same as those given in G.O., No. 860, dated 21st October 1889	4,000

IV and V.—Professional Agency works.

Same as those given in G.O., No. 860, dated 21st October 1889 ... 18,83,270

Exd. G. A. Lewis.

120 Copies.

No. 1351 w/y 13 May 1890

Communicated to officers concerned for information in continuation of the Proceedings quoted below.

Ro 3188 w 28 Nov 89 (Anantapur)
2930 w 9 17 Oct 89 (Tinnevelly)
2931 w 9 17 Oct 89 (Chingleput)
716 by 1 Dec 90 (Godavari)

57 RR 28

Govt. of {1890} Madras.

REVENUE.

Issued

Recd. Encl.

G.O., 1st April 1890,
Nos. 259, 259A.

APRIL.

Famine Relief works for 1889-90.

Passing orders on programmes of — in Godávari, Chingleput, Tinnevelly, Anantapur, Malabar and South Canara.

C C for I
C C for Rys
& Engrs I, III, IV, V & VI Circles.

11/1351

GOVERNMENT OF MADRAS.

REVENUE DEPARTMENT.

Read—again G.O., dated 6th November 1889, Mis. No. 7146, Revenue.

Abstract.—Recording Government Order, Local and Municipal, forwarding statements showing the famine-relief works proposed by the Local Boards and Municipalities in the districts of Ganjam, Vizagapatam, Godávari, Kistna and Nellore for 1889-90.

Read—again G.O., dated 6th November 1889, Mis. No. 7147, Revenue.

Abstract.—Recording Government Order, Local and Municipal, forwarding statement showing the famine-relief works proposed by the Local Boards and Municipalities in the Ceded Districts and North Arcot for 1889-90.

Read—again G.O., dated 6th November 1889, Mis. No. 7148, Revenue.

Abstract.—Recording G.O., dated 16th September 1889, No. 2056 L., Local and Municipal, forwarding statements showing the famine-relief works proposed by the Local Boards and Municipalities in the districts of Chingleput, South Arcot, Tanjore, Trichinopoly, Madura and Tinnevelly for 1889-90.

Read—again G.O., dated 20th January 1890, Mis. No. 372, Revenue.

Abstract.—Recording statement showing quantities of earthwork available for excavation by famine-labor in various districts of the Madras Presidency.

Read—again G.O., dated 26th February 1890, Mis. No. 1387, Revenue.

Abstract.—Recording Board's Proceedings (Revenue Settlement, Land Records and Agriculture), dated 13th February 1890, No. 712, Mis., stating that the Collectors of Godávari, Bellary, Anantapur, Chingleput, Tinnevelly and Salem have no fresh lists of famine-relief works to submit, as the lists already submitted by them hold good for 1889-90, and calling upon certain other Collectors to submit the lists for 1889-90 without further delay.

Read—G.O., dated 27th November 1888, Mis. No. 2218 L., Local and Municipal.

Abstract.—Forwarding to the Revenue Department, with remarks, statement showing famine-relief works proposed in the Ceded Districts and North Arcot.

Order—dated 1st April 1890, No. 259, Revenue.

Miscellaneous.	
Godávari.	Tinnevelly.
Chingleput.	Anantapur.

It is reported that in the marginally-noted districts the programmes of works proposed by the Collectors for the year 1888-89, as suitable for the employment of famine labor, hold good for the year 1889-90. The lists appended to this order show the works proposed by the several District Boards and Municipalities. In Chingleput, Tinnevelly and Anantapur the lists of Professional Agency works are the same as in the previous year.

2. No programmes of works have been drawn out for the districts of Malabar and South Canara, where there is practically no likelihood of famine ever occurring.

(True Extract.)

(Signed) C. A. GALTON,
Secretary to Government.

To the Local and Municipal Department, with enclosures to G.Os., Nos. 2056 L., dated 16th September 1889; 1859 L., dated 26th August 1889; and 2218 L., dated 27th November 1888.

„ the Public Works Department.
„ the Commissioner of Revenue Settlement, Land Records and Agriculture.

No. 259A.

Copy to the Government of India, Revenue and Agricultural Department, with a copy of G.O., No. 759, dated 6th November 1888.

(Signed) C. A. GALTON,
Secretary to Government.

APPENDIX.

Programme of Works suitable for famine-relief.

Godávari District.

Civil Agency works—	Amount of Estimate. Rs.
Works proposed by the District Board—	
Construction of roads	1,84,300
Works proposed by the Collector.—*Nil.*	
Works proposed by Municipalities.—*Nil.*	
Professional Agency works—	
1. Canal from Samalkót towards Túni	4,00,000
2. Anumalanka project channels	9,00,000
3. Widening all Godávari embankments so as to fit them forwards.	No estimate has been prepared.
4. Bhadráchalam boat canal	4,55,300
Total ...	17,55,300

N.B.—These may be made available for the employment of famine-labor after further investigation.

Chingleput district.

I.—List of works proposed by the Collector.

	Estimate. Rs.
The list for the current year is the same as that for the last year	12,10,710

II.—List of works proposed by the District Board.

Nature of work.	Probable outlay. Rs.
District Board—	
Metalling and other repairs to roads	60,000
Chingleput Taluk Board—	
1. Completing existing roads	146,400
2. Metalling and other repairs to roads	59,160
Total ...	2,05,560
Saidápet Taluk Board—	
1. Construction of roads	82,330
2. Metalling and other repairs to roads	1,75,980
3. Petty construction	2,500
4. Improvement of water-supply	8,175
5. Improvement of village sites	5,075
Total ...	2,74,060
Tiruvallur Taluk Board—	
1. Construction of village roads	995
2. Completing, metalling and repairing roads	19,300
Total ...	20,295
Grand Total ...	5,59,915

III.—List of works proposed by Municipalities.

	Probable outlay. Rs.
Conjeeveram Municipality—	
1. Re-coating of existing roads	1,200
2. Repairs to streets	350
3. Constructing a fish bazaar	290
4. Opening bye-lanes for private scavengering	200
5. Cutting side ditches	150
6. Sinking a fresh-water drinking well	70
7. Removing prickly-pear	50
Total ...	2,310

IV.—List of Professional Agency works which could be made available after further investigation.

These works are the same as those given in G.O., No. 796, dated 23rd September 1889.

Tinnevelly district.

I.—Civil Agency works proposed by the Collector.

These works are the same as those given in G.O., No. 787, dated 23rd September 1889.

II.—Civil Agency works proposed by the District Board.

Nature of work.	Probable outlay. Rs.
1. Construction of roads	3,19,900
2. Metalling and other repairs to roads	79,600
Total ...	3,99,500

III.—Civil Agency works proposed by Municipalities.

Nature of work.	Probable outlay. Rs.
Palamcottah Municipality—	
The works are the same as those given in G.O., No. 787, dated 23rd September 1889	30,000
Tinnevelly Municipality—	
Same as last year	50,000
Tuticorin Municipality—	
1. Metalling roads and streets	360
2. Maintaining roads	600
3. Digging foundation for drain	50
4. Filling up hollow places with sand	500
Total ...	1,510
Grand Total ...	81,510

IV and V.—Professional Agency works.

	Amount of Estimate. Rs.
Same as last year	1,23,773

Anantapur district.

I.—Civil Agency works proposed by the Collector.

Nature of work.	Probable outlay. Rs.
The works are the same as those specified in G.O., No. 860, dated 21st October 1889	10,48,032

II.—Civil Agency works proposed by the District Board.

Nature of work.	Probable outlay. Rs.
1. Construction of roads	4,000
2. Repairs to roads	3,600
3. Erecting a chuttram near Subbaya's well at Uravakonda ...	250
4. Paving a line in the Gooty fort	4,200
5. Water-supply	900
6. Improvement of village site	
Total ...	15,950

III.—Civil Agency works proposed by Municipalities.

Nature of work.	Amount of outlay. Rs.
Anantapur Municipality—	
The works proposed are the same as those given in G.O., No. 860, dated 21st October 1889	4,000

IV and V.—Professional Agency works.

Same as those given in G.O., No. 860, dated 21st October 1889 ...	18,83,270

Exd. G. A. Lewis.

120 Copies.

13
1351

Govt. of {1890} Madras.

REVENUE.

Issued

Recd. Encl.

G.O., 1st April 1890,
Nos. 259, 259A.

APRIL.

Famine Relief works for 1889-90.

Passing orders on programmes of — in Godávari, Chingleput, Tinnevelly, Anantapur, Malabar and South Canara.

No. 1351-Wdy/13th May 1891

Communicated to officers concerned for information in continuation of the Proceedings quoted below.

Lr. No. 3188 Wdy 8.11.89 (Anantapur)
" 2932 Wdy 17.10.89 (Tinnevelly)
" 2931 Wdy 17.10.89 (Chingleput)
" 716 Wdy 1.12.89 (Godavari)

1 Bd 1 R.R.L.B.B
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Consltg. E. for Ryp.
Supdtg. Engrs. I, III, IV
V + VI Circles.

M&
1351.

GOVERNMENT OF MADRAS.

REVENUE DEPARTMENT.

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Civil Agency works—	Amount of Estimate. Rs.
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I.—List of works proposed by the Collector.

	Estimate. Rs.
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Nature of work.	Probable outlay. Rs.
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1. Completing existing roads	146,400
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1. Construction of village roads	995
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IV and V.—Professional Agency works.

	Amount of Estimate. Rs.
Same as last year	1,23,773

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5. Water-supply	4,200
6. Improvement of village site	900
Total ...	15,950

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Nature of work.	Amount of outlay. Rs.
Anantapur Municipality—	
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Exd. G. A. Lewis.

120 Copies.

Govt. of {1890} Madras.

REVENUE.

R. o. 1351-W dy/13th May 1891.

Communicated to officers concerned for information and guidance.

R. o. 3188-W dy 8.11.89 (Anantapur)
- 2932 W dy 17.10.89 (Tinnevelly)
- 2931-W dy 17.10.89 (Chingleput)
- 3163 dy 1.12.88 (Godavari)

12/5/RR & DO

Issued

Recd. Encl.

G.O., 1st April 1890,
Nos. 259, 259A.

Ch: Engr: for Irrigation.
Conr: Engr: for Rys.
Supdg. Engr: I, III, IV, V
+ VI circles.

APRIL.

Famine Relief works for 1889-90.

Passing orders on programmes of — in Godávari, Chingleput, Tinnevelly, Anantapur, Malabar and South Canara.

GOVERNMENT OF MADRAS.

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„ the Commissioner of Revenue Settlement, Land Records and Agriculture.

No. 259A.

Copy to the Government of India, Revenue and Agricultural Department, with a copy of G.O., No. 759, dated 6th November 1888.

(Signed) C. A. GALTON,
Secretary to Government.

APPENDIX.

Progeamme of Works suitable for famine-relief.

Godávari District.

Civil Agency works—	Amount of Estimate. Rs.
Works proposed by the District Board—	
Construction of roads	1,84,300
Works proposed by the Collector.—*Nil.*	
Works proposed by Municipalities.—*Nil.*	
Professional Agency works—	
1. Canal from Samalkót towards Túni	4,00,000
2. Anumalanka project channels	9,00,000
3. Widening all Godávari embankments so as to fit them forwards.	No estimate has been prepared.
4. Bhadráchalam boat canal	4,55,300
Total ...	17,55,300

N.B.—These may be made available for the employment of famine-labor after further investigation.

Chingleput district.

I.—List of works proposed by the Collector.

	Estimate. Rs.
The list for the current year is the same as that for the last year	12,10,710

II.—List of works proposed by the District Board.

Nature of work.	Probable outlay. Rs.
District Board—	
Metalling and other repairs to roads	60,000
Chinglepat Taluk Board—	
1. Completing existing roads	146,400
2. Metalling and other repairs to roads	59,160
Total ...	2,05,560
Saidápet Taluk Board—	
1. Construction of roads	82,330
2. Metalling and other repairs to roads	1,75,980
3. Petty construction	2,500
4. Improvement of water-supply	8,175
5. Improvement of village sites	5,075
Total ...	2,74,060
Tiruvallur Taluk Board—	
1. Construction of village roads	995
2. Completing, metalling and repairing roads	19,300
Total ...	20,295
Grand Total ...	5,59,915

III.—List of works proposed by Municipalities.

	Probable outlay. Rs.
Conjeeveram Municipality—	
1. Re-coating of existing roads	1,200
2. Repairs to streets	350
3. Constructing a fish bazaar	290
4. Opening bye-lanes for private scavengering	200
5. Cutting side ditches	150
6. Sinking a fresh-water drinking well	70
7. Removing prickly-pear	50
Total ...	2,310

IV.—List of Professional Agency works which could be made available after further investigation.

These works are the same as those given in G.O., No. 796, dated 23rd September 1889.

Tinnevelly district.

I.—Civil Agency works proposed by the Collector.

These works are the same as those given in G.O., No. 787, dated 23rd September 1889.

II.—Civil Agency works proposed by the District Board.

Nature of work.	Probable outlay. Rs.
1. Construction of roads	3,19,900
2. Metalling and other repairs to roads	79,600
Total ...	3,99,500

III.—Civil Agency works proposed by Municipalities.

Nature of work.	Probable outlay. Rs.
Palamcottah Municipality—	
The works are the same as those given in G.O., No. 787, dated 23rd September 1889	30,000
Tinnevelly Municipality—	
Same as last year	50,000
Tuticorin Municipality—	
1. Metalling roads and streets	360
2. Maintaining roads	600
3. Digging foundation for drain	50
4. Filling up hollow places with sand	500
Total ...	1,510
Grand Total ...	81,510

IV and V.—Professional Agency works.

	Amount of Estimate. Rs.
Same as last year	1,23,773

Anantapur district.

I.—Civil Agency works proposed by the Collector.

Nature of work.	Probable outlay. Rs.
The works are the same as those specified in G.O., No. 860, dated 21st October 1889	10,48,032

II.—Civil Agency works proposed by the District Board.

Nature of work.	Probable outlay. Rs.
1. Construction of roads	4,000
2. Repairs to roads	3,600
3. Erecting a chuttram near Subbaya's well at Uravakonda ...	3,000
4. Paving a line in the Gooty fort	250
5. Water-supply	4,200
6. Improvement of village site	900
Total ...	15,950

III.—Civil Agency works proposed by Municipalities.

Nature of work.	Amount of outlay. Rs.
Anantapur Municipality—	
The works proposed are the same as those given in G.O., No. 860, dated 21st October 1889	4,000

IV and V.—Professional Agency works.

Same as those given in G.O., No. 860, dated 21st October 1889 ... 18,83,270

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Passing orders on programmes of — in Godâvari, Chingleput, Tinnevelly, Anantapur, Malabar and South Canara..

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