Public Works (1899) Department.

G.O., No. 3357 W

DATED 23 Dec 1899.

[Despatch Abstract.]

Famine Relief Works – in

Note by the Chief Engineer, P.W.D., submitting, with remarks letter from the S.E. I Circle reporting the most suitable projects for — in the Vizagapatam Dt., commd to the Revenue Deptt.

[P. W. 2. / 500—27-10-99.]

B

Indexed. S/1

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

B/

3

P. W. DEPARTMENT.

READ the following :—

Letter from the Superintending Engineer, I Circle, No. 321 V.Z., dated 12th March 1899.

Do do — No. 1360 V.Z., d/2nd November 1899.

Office Note from the Chief Engineer for Irrigation, No. 370 dated 13th November 1899.

Note by the Chief Engineer, P. W. D. dated 2 ~~Nov.~~ Dec. 1899.

SECRETARY TO GOVERNMENT
-6-DEC-1899
REVENUE DEPARTMENT

Circulated to H. E. the Governor

Famine Relief
Vizagapatam District

ORDER.

No. 3357 W. 23-12-99

Communicated to the Revenue Department.

2. The Superintending Engineer will report on the question in para 2 of Chief Engineer's note above read.

2.12

A.E.H.
17.12.99

To the Rev. Dept
for C.I.
[illegible]

CM
20-11-99.

H.L.
20/11/99

Revenue Department
Supdg Engineer, I Circle
Chief Engineer for Irrigation.

Desp.
23/12/99

[P. W. 4.
1,000—18-7-99.]

Rev Dept

P.W. draft order for C.s.

To Under Secretary

Flag E. In para 2 of G.O $\frac{666}{8\text{-}11\text{-}}$ the Superintending Engineer 1st circ was requested to report what irrigation projects suitable for famine relief were worth investigating in the Ganjam and Vizagapatam Dts. Later on

Flag N in B.P. $\frac{426}{23\text{-}11\text{-}98}$ reviewing the programme of famine relief works in the latter Dt, the Board requested the Chief Engineer for Irrigation to inform them whether the following project might not be brought on the sanctioned list at an early date:—

(1) Widening the Varaha River below Latchiraz dam

(2) Embanking Gokivadageddа up to Koppinamguntapalem

(3) Embanking the tail end of the Peda Uppalam dam

all in Sarvasidhi Taluk.

The Exe. Engineer reports that as regards the 1st work

The

the estimates are under Scrutiny in his office, as regards the 2nd he has issued orders for the preparation of a separate estimate for earthwork on which alone famine labour could be employed. & as regards the Third, Estimates will be shortly submitted.

He says that items (1) & (3) may be brought on the sanctioned list. The Supg Engineer 1st Circle, reports that he has no other project to suggest. Thereupon the Chief Engineer, proposes to ask the Supg Engineer whether in view of para 580ˣ of the Famine Commn report any other project may not be investigated though not financially remunerative above.

ˣ Flag Q

This correspondence, the P.W. draft order proposes to communicate to the Rev Deptt. also to order S.E. to report on C.E. suggestion about nonremunerative works

There appears to be no objection to the draft order being countermanded in the R.D.

P. W. Department.

Read

Letter from the Superintending Engineer, I Circle, No. 321 V.Z., dated 12th March 1899.

Do ——— do ——— No. 1350 V.Z. d/ 2 November 1899.

Office Note from the Chief Engineer for Irrigation, No. 370, dated 13th November 1899.

Note by the Chief Engr. P.W.D.

Submitted to Government with reference to para 2 of G.O. No. 666 Rev. dated 8th November 1898.

2. The attention of the Superintending Engineer, I Circle, might be drawn to para 580ˣ of the Report of the Indian Famine Commission 1898, from which it will be seen that it is not necessary for a work to be financially remunerative to render it suitable as a famine relief work, and he might be asked whether any other projects previously condemned on

& Flag E

ˣ Circular by the Chief Engineer for Irrigation No. 2795 of 1st Novr 1899.

(Flag Q)

Apps. 16.12.99

on account of the poorness of their estimated returns, cannot be carried out with advantage as famine relief works. Failing any more useful work, estimates for increasing the width of tank bunds should be prepared, as suggested in para 2 of the note by the Chief Engineer for Irrigation printed with the G.O. above quoted.

A.S.H. 16.12.99

2.12.99

E.W.

Cn 20.11.99

HU 20/11/99

20-11-99

Public Works (1899) Department.

CURRENT No. 9304

Order

From

The Chief Engineer for Irrigation

No. 370

Dated 13-11-99

Received & **Registered** 15-11-99

Enclosures 2

Spare copies.

SUBJECT.

Famine Relief Works in the Vizagapatam Dn — States that besides the works already mentioned by the S.E., he (S.E.) has no irrigation projects to suggest as suitable for —

B/

BACK PAPERS.

No.	Date.
G.O. Irrigation 279	21-11-99
~~184~~ 1556 W	28-7-99
	+ [illegible]

FURTHER PAPERS.

No.	Date.

Copy of letter from the Superintending Engineer, 1st Circle to the Chief Engineer for Irrigation No.321 V.Z. dated 12th March 1899.

With reference to your No. $\frac{I}{17}$ V.Z. of 7-12-1898, I have the honour to inform you that an estimate for widening the Varaha River below Latchirazu dam amounting to Rs 12240 has just been submitted by the Executive Engineer, Vizagapatam Division and is now under scrutiny in my office.

2. Embanking Gokivadagedda up to Koppiva Guntapalem Rs 30,000 (item 3). The Executive Engineer represents that the services of a special subordinate will be required, if the scheme is to be submitted fully elaborated, as it will include new ~~anikuts~~ anicuts, head sluices and masonry works, beside the embankment. But he suggests that a separate estimate should be prepared for earth work, which is the only item on which Famine labor could be employed. This he can do with the staff at his disposal and I have issued orders accordingly.

3. Embanking the tail end of PeddaUppalem Drain. Estimate Rs 7390.

An estimate Rs 12,700 was worked out as a Famine Relief Work in 1897, and the above is an extension of this. The Executive Engineer, Vizagapatam Division states that with reference to your note 231 I of 20-10-97, he inspected the new banks a few months ago, and found them in very good order. Ryots also came forward petitioning for the extension of the banks. The Executive Engineer is strongly in favor of the extension of the banks to protect the lands from sand and I agree with him.

The estimate under reference has been returned to the Yellamanchilli Sub Division Officer, for information as to the exact amount of damage done to crops, and will be submitted shortly.

4. Under these circumstances I presume that item (2) widening the Varaha River below Latchi[illegible]azu dam and embanking the tail end of Pedda[illegible]opalem drain may be brought on the sanctioned list, as suggested by the Board.

I have &c.

(Sd) W.C.De Morgan.

13-3-99.

Executive Engineer in charge, I Circle.

Copy of letter from the Superintending Engineer, I Circle, to the Chief Engineer for Irrigation No.1350 V.Z dated 2nd November 1899.

With reference to your No. I/21 V.Z., dated 21st September 1899, I have the honour to inform you that the Executive Engineer, Vizagapatam, reports that he has no Projects to suggest as suitable for Famine Relief work in addition to those already mentioned, neither have I any others to suggest.

I have &c

(Sd) W.C.De Morgan-

Superintending Engineer, I Circle.

(True Copies)

Manager,
Office of the Chief Engineer for Irrign:

P.W. Ei/9304/99

REVENUE DEPARTMENT.

1898.

Board of Revenue

(Revenue Settlement, Land Records and Agriculture),

MADRAS.

Recd. R 514 M
Regd. 1-12-98 } 1898.

Enclosures

Spare copies

Printed December 1st.

G.O. 80W-10/1/99

Reg D

Proceedings, No. 426, 23rd November 1898.

No. I / 17 V.Z dated 7-12-98.

Forwarded to the Supg: Engineer, I Circle for report with reference to the concluding portion of para 3 of the Boards Proceedings.

7-12-98. (Ind) W.H.

(True Copy)

NOVEMBER.

Manager,
Office of the Chief Engineer
for Irrigation.

Famine-relief works.—Reviewing the programme of — in the Vizagapatam district for the year 1898-99.

PROCEEDINGS OF THE BOARD OF REVENUE

(Revenue Settlement, Land Records and Agriculture).

Read—Statements received from the Collector of Vizagapatam, dated 27th May 1898, Dis. No. 1650.

Abstract.—Statements relating to the Programme of Famine-relief works in the Vizagapatam district for the year 1898–99.

Resolution—No. 426, dated 23rd November 1898.

The abstract of the programme of famine-relief works for 1898–99 received from the Collector of Vizagapatam will, as amended by the Board, be submitted for the information of Government.

2. The following table shows the relief works in the non-Agency portion of the district, classified under the main heads, with the amounts entered in lakhs of rupees :—

Classes of works.		Large works.		Small works.	Total.
		Sanctioned.	Not sanctioned.		
Irrigation works ..	New (15)	..	0·52	0·24	0·76
	Repairs	..	..	2·03	2·03
Roads	New (988 miles)	1·16	13·44	2·52	17·12
	Repairs	..	0·42	2·11	2·53
Miscellaneous ..	Drinking-water supply	0·10	1·59	5·13	6·82
	Others	1·60	2·61	2·94	7·15
	Total ..	2·86	18·58	14·97	36·41

Nearly one-half of the provision is for the construction of new roads, and that for the repair of roads is comparatively small. About 14 lakhs are set down for miscellaneous, and 3 lakhs for irrigation works. No provision has been made for land improvement works. The proportion of the cost of the "sanctioned" to the "unsanctioned" works stands as 1 to 7. The attention of the Collector will be drawn to the note on this point contained in section 11 of the Famine Code.

3. The programme includes the three large new irrigation works noted in the margin. The first is a zamindari work, and this and three others in the same taluk have been erroneously shown in the programme as sanctioned works, although estimates have not apparently been prepared for them. For work No. 2 an estimate is ready, but the estimate has to be prepared for work No. 3. The Chief Engineer for Irrigation will be requested to inform the Board whether works Nos. 2 and 3 and the work of embanking the tail end of the Peda Uppalam drain in the same taluk for which an estimate for Rs. 7,000 is ready, cannot be brought on the sanctioned list at an early date.

	Estimated cost. RS.
Vizianagram.	
1. Constructing the Devarapalli anicut	10,000
Sarvasiddhi.	
2. Widening the Varáha river below Latchiraju dam ...	12,240
3. Embanking Gókiváda Gedda up to Koppinaguntapalem ...	30,000

4. The new road No. 6 in the Bimlipatam taluk appears to include the construction of a bridge. It should be reported whether the cost of skilled labour required has been excluded in calculating the amount of employment the work would afford for famine relief and whether, in the case of all road works shown in the programme, the instructions conveyed in paragraph 4 of G.O., No. 604, Revenue, dated 21st July 1897, regarding the exclusion of the amounts provided for cartage, have been kept in view.

2225 Rr
[illegible]

5. The miscellaneous works in the programme include the large projects noted below :—

	Estimated cost. RS.
Vizianagram.	
1. Drainage scheme of Vizianagram town	68,000
2. Earthwork of the drinking water project in Vizianagram Municipality	1,50,000
Vizagapatam.	
3. Vizagapatam water project	10,000
4. Reclamation of the swamp between the railway and the town...	1,60,210
5. Earthwork in the Vizagapatam swamp connected with Mr. Thorowgood's harbour project	1,93,200
Anakapalle.	
6. Repairing the drinking-water tank at Dosuru	9,000

The two first named are municipal projects, and no estimates have been prepared; and it is not clear, beyond the fact of their inclusion in the programme, whether their investigation has so far advanced as to entitle them to a place therein and whether the amounts set down represent the cost of unskilled labour only. Works Nos. 3 and 4 are sanctioned works, but the estimates for them were prepared long ago, and it is also not clear whether they need revision owing to lapse of time. Work No. 5 is an unsanctioned project, but an estimate has been prepared for it. The latest correspondence regarding each project, showing the stage in which it is, should have been quoted in the detailed list against each work. An estimate for work No. 6 is shown as ready, and the District Board should be urged to accord its sanction thereto.

6. The programme, inclusive of the works dealt with in the foregoing paragraphs, will be sufficient to provide employment, during three months, for 25 per cent. of the population of the tracts concerned. The provision is generally adequate, though in Viravalli it needs considerable amplification. Estimates are reported to be ready for a little over one-fourth of the total approximate cost of the works, while, in the case of large works taken separately, they are ready for about one-fourth.

7. The Collector has also provided for the relief of the population in the Agency tracts. The works proposed therein consist chiefly of breaking and stacking metal and storing gravel along the sides of the existing roads. The total provision for these tracts amounts to 3·52 lakhs, which will be sufficient to afford relief to 6 per cent. of the population for a period of three months. No estimate has been prepared for any of these works except one to cost Rs. 10,000, but this has not been sanctioned.

8. The programme calls for the following further remarks :—

Detailed Statement I.—The classification of the works as large and small is incorrect in some cases. It has been corrected in this office with reference to the method laid down in section 59 of the Famine Code.

Statement II.—The provision for the repair of irrigation works in the three Government taluks shown in this statement differs from that entered in column 10 of statement III. The variations as regards both the number of the sources and the sums provided are shown below and require explanation :—

Taluks.	According to statement II.		According to statement III.	
	Number.	Amount.	Number.	Amount.
		RS.		RS.
Palkonda	..	55,213	..	56,213
Sarvasiddhi	15	57,414	12	8,152
Golgonda	29	7,860	52	99,360

(True Extract.)

(Signed) R. V. SRINIVASIAR,
Secretary.

To the Secretary to Government, Revenue Department.
" Chief Engineer for Irrigation.
" Collector of Vizagapatam (Divisional officers and Tahsildars).

APPENDIX.

ABSTRACT of the programme of famine-relief works in the Vizagapatam District for the year 1898–99.

Taluks.	Population by last census in thousands.	Maximum number of persons for whom relief may be required daily in the event of serious famine.	Persons provided for by relief works daily for three months.			Irrigation works.				Forest fencing works.	
			Class of work.	Numbers provided for on.	Total per cent. of population.	New.		Repairs.			
						Number.	Amount.	Number.	Amount.	Number.	Amount.
1	2	3	4	5	6	7	8	9	10	11	12
							RS.		RS.		
I. Párvatipuram.	109	21,800	Large— Sanctioned ..	2,435		..	..	..	..	..	..
			Not sanctioned ..	2,000		..	..	..	..	..	..
			Small	18,228		1	500	4	2,000	..	..
			Total ..	22,663	21	1	500	4	2,000	..	..
II. Palkonda.	208	41,600	Large— Sanctioned ..	..		..	..	..	..	..	..
			Not sanctioned ..	28,133		..	..	..	..	..	..
			Small	17,647		..	..	578	56,213	..	..
			Total ..	45,780	22	..	..	578	56,213	..	..
III. Bobbili.	129	25,800	Large— Sanctioned ..	..		..	..	..	..	..	..
			Not sanctioned ..	11,309		..	..	..	..	..	..
			Small	13,995		..	..	..	..	..	..
			Total ..	25,304	20	..	..	..	..	..	..
IV. Sálúr.	83	16,600	Large— Sanctioned ..	..		..	..	..	..	..	..
			Not sanctioned ..	4,533		..	..	..	..	..	..
			Small	10,566		..	..	14	21,000	..	..
			Total ..	15,099	18	..	..	14	21,000	..	..
V. Gajapatinagaram.	124	24,800	Large— Sanctioned ..	..		..	..	..	..	..	..
			Not sanctioned ..	22,667		..	..	..	..	..	..
			Small	10,660		..	..	..	..	..	..
			Total ..	33,327	27	..	..	..	..	..	..
VI. Chipurupalle.	157	31,400	Large— Sanctioned ..	4,639		..	..	..	..	..	..
			Not sanctioned ..	31,333		..	..	..	..	..	..
			Small	9,361		..	..	..	..	..	..
			Total ..	45,333	29	..	..	..	..	..	..
VII. Vizianagram.	167	33,400	Large— Sanctioned ..	..		..	..	..	..	..	..
			Not sanctioned ..	49,607		1	10,000	..	..	..	..
			Small	22,609		3	15,000	..	..	..	..
			Total ..	72,216	43	4	25,000	..	..	..	..
VIII. Srungavarapukóta.	129	25,800	Large— Sanctioned ..	..		..	..	..	..	..	..
			Not sanctioned ..	13,792		..	..	..	..	..	..
			Small	11,777		..	..	..	..	..	..
			Total ..	25,569	20	..	..	..	..	..	..
IX. Bimlipatam.	115	23,000	Large— Sanctioned ..	..		..	..	..	..	..	..
			Not sanctioned ..	12,800		..	..	..	..	..	..
			Small	17,179		..	..	..	..	..	..
			Total ..	29,979	26	..	..	..	..	..	..
X. Vizagapatam.	96	19,200	Large— Sanctioned ..	22,695		..	..	..	..	..	..
			Not sanctioned ..	28,120		..	..	..	..	..	..
			Small	13,896		..	..	..	..	..	..
			Total ..	64,711	67	..	..	..	..	..	..

Taluks.	Class of work.	Road works.					Miscellaneous works.						Grand Total.		Works for which estimates are ready.	
		New.			Repairs.		Drinking-water supply.		Others.		Total.					
		Number.	Miles.	Amount.	Number.	Amount.	Number.	Amount.	Number.	Amount.	Number.	Amount.	Number.	Approximate cost.	Number.	Cost.
1	4	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
				RS.		RS.		RS.		RS.		RS.		RS.		RS.
I. Párvatipuram.	Large— Sanctioned	1	5	18,267	..	..	..	..	..	..	..	..	1	18,267	1	18,267
	Not sanctioned	1	5	15,000	..	..	..	..	..	..	..	..	1	15,000	..	..
	Small	3	9	14,200	9	19,212	81	80,800	50	20,000	131	1,00,800	148	1,36,712	9	19,212
	Total	5	19	47,467	9	19,212	81	80,800	50	20,000	131	1,00,800	150	1,69,979	10	37,479
II. Palkonda.	Large— Sanctioned	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Not sanctioned	12	60	2,11,000	..	..	..	..	..	..	..	..	12	2,11,000	..	..
	Small	9	14½	8,287	10	13,856	200	50,000	210	4,000	410	54,000	1,007	1,32,356	775	39,936
	Total	21	74½	2,19,287	10	13,856	200	50,000	210	4,000	410	54,000	1,019	3,43,356	775	39,936
III. Bobbili.	Large— Sanctioned	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Not sanctioned	3	30	84,820	..	..	..	..	..	..	..	..	3	84,820	1	24,820
	Small	4	6½	11,300	5	6,165	63	61,500	100	26,000	163	87,500	172	1,04,965	5	6,165
	Total	7	36½	96,120	5	6,165	63	61,500	100	26,000	163	87,500	175	1,89,785	6	30,985
IV. Sálúr.	Large— Sanctioned	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Not sanctioned	2	26	34,000	..	..	..	..	..	..	..	..	2	34,000	..	..
	Small	..	..	..	5	18,345	30	23,100	39	16,800	69	39,900	88	79,245	4	12,345
	Total	2	26	34,000	5	18,345	30	23,100	39	16,800	69	39,900	90	1,13,245	4	12,345
V. Gajapatinagaram.	Large— Sanctioned	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Not sanctioned	6	85	1,70,000	..	..	..	..	..	..	..	..	6	1,70,000	..	..
	Small	16	46	43,103	3	4,650	30	15,000	220	17,200	250	32,200	269	79,953	48	15,288
	Total	22	131	2,13,103	3	4,650	30	15,000	220	17,200	250	32,200	275	2,49,953	48	15,288
VI. Chipurupalle.	Large— Sanctioned	1	15	34,791	..	..	..	..	..	..	..	..	1	34,791	1	34,791
	Not sanctioned	12	92	2,35,000	..	..	..	..	..	..	..	..	12	2,35,000	..	..
	Small	1	3	6,000	10	8,204	50	10,000	252	46,000	302	56,000	313	70,204	60	10,612
	Total	14	110	2,75,791	10	8,204	50	10,000	252	46,000	302	56,000	326	3,39,995	61	45,403
VII. Vizianagram.	Large— Sanctioned	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Not sanctioned	11	93	1,24,000	1	16,000	1	1,50,000	1	68,000	2	2,18,000	15	3,68,000	..	..
	Small	11	46½	41,149	31	41,454	300	46,023	195	30,000	495	76,023	540	1,73,626	175	29,680
	Total	22	139½	1,65,149	32	57,454	301	1,96,023	196	98,000	497	2,94,023	555	5,41,626	175	29,680
VIII. Srungavarapukóta.	Large— Sanctioned	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Not sanctioned	4	45	1,03,440	..	..	..	..	..	..	..	..	4	1,03,440	1	32,660
	Small	8	45½	25,805	4	10,072	114	11,950	115	40,500	229	52,450	241	88,327	12	12,772
	Total	12	90½	1,29,245	4	10,072	114	11,950	115	40,500	229	52,450	245	1,91,767	13	45,432
IX. Bimlipatam.	Large— Sanctioned	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Not sanctioned	5	42	96,000	..	..	..	..	..	..	..	..	5	96,000	..	..
	Small	11	46	39,134	28	17,709	80	40,000	200	32,000	280	72,000	319	1,28,843	117	39,701
	Total	16	88	1,35,134	28	17,709	80	40,000	200	32,000	280	72,000	324	2,24,843	117	39,701
X. Vizagapatam.	Large— Sanctioned	..	..	..	..	..	1	10,000	1	1,60,210	2	1,70,210	2	1,70,210	2	1,70,210
	Not sanctioned	2	9½	17,700	..	..	..	..	1	1,93,200	1	1,93,200	3	2,10,900	3	2,10,900
	Small	21	60½	34,670	20	15,300	113	14,250	175	40,000	288	54,250	329	1,04,220	21	29,120
	Total	23	70	52,370	20	15,300	114	24,250	177	3,93,410	291	4,17,660	334	4,85,330	26	4,10,230

Abstract of the programme of famine-relief works in the Vizagapatam District for the year 1898–99—*cont.*

Taluks.	Population by last census in thousands.	Maximum number of persons for whom relief may be required daily in the event of serious famine.	Persons provided for by relief works daily for three months.			Irrigation works.				Forest fencing works.	
			Class of work.	Numbers provided for on.	Total per cent. of population.	New.		Repairs.			
						Number.	Amount.	Number.	Amount.	Number.	Amount.
1	2	3	4	5	6	7	8	9	10	11	12
							RS.		RS.		
XI. Viravilli.	198	39,600	Large—								
			Sanctioned	4,531		..	..	..	..	..	..
			Not sanctioned	11,733		..	..	..	..	..	..
			Small	3,866		6	900	8	4,000	..	..
			Total	20,130	10	6	900	8	4,000	..	..
XII. Anakápalle.	152	30,400	Large—								
			Sanctioned	..		..	..	..	..	..	..
			Not sanctioned	9,868		..	..	..	..	..	..
			Small	18,051		1	500	5	12,000	..	..
			Total	27,919	18	1	500	5	12,000	..	..
XIII. Sarvasiddhi.	155	31,000	Large—								
			Sanctioned	..		..	..	..	..	..	..
			Not sanctioned	17,349		2	42,240	..	..	..	..
			Small	10,996		1	7,000	12	8,152	..	..
			Total	28,345	18	3	49,240	12	8,152	..	..
XIV. Golgonda.	119	23,800	Large—								
			Sanctioned	3,776		..	..	..	..	..	..
			Not sanctioned	5,719		..	..	..	..	..	..
			Small	19,561		..	..	52	99,360	..	..
			Total	29,056	24	..	..	52	99,360	..	..
District Total.	1,941	388,200	Large—								
			Sanctioned	38,076		..	..	..	..	..	..
			Not sanctioned	248,963		3	52,240	..	..	..	..
			Small	198,392		12	23,900	673	2,02,725	..	..
			Total	485,431	25	15	76,140	673	2,02,725	..	..
Agency Tracts.											
I. Rayaghada.	90	18,000	Large—								
			Sanctioned	..		..	..	..	..	..	..
			Not sanctioned	13,000		..	..	..	..	..	..
			Small	..		..	..	..	..	..	..
			Total	13,000	14	..	..	..	..	..	..
II. Párvatípuram.	40	8,000	Large—								
			Sanctioned	..		..	..	..	..	..	..
			Not sanctioned	2,074		..	..	..	..	..	..
			Small	..		..	..	..	..	..	..
			Total	2,074	5	..	..	..	..	..	..
III. Gunupur.	113	22,600	Large—								
			Sanctioned	..		..	..	..	..	..	..
			Not sanctioned	6,486		..	..	..	..	..	..
			Small	..		..	..	..	..	..	..
			Total	6,486	6	..	..	..	..	..	..
IV. Palkonda.	11	2,200	Large—								
			Sanctioned	..		..	..	..	..	..	..
			Not sanctioned	..		..	..	..	..	..	..
			Small	133		..	..	..	..	..	..
			Total	133	1	..	..	..	..	..	..
V. Pottangi.	117	23,400	Large—								
			Sanctioned	..		..	..	..	..	..	..
			Not sanctioned	2,666		..	..	..	..	..	..
			Small	..		..	..	..	..	..	..
			Total	2,666	2	..	..	..	..	..	..

Taluks.	Class of work.	Road works.					Miscellaneous works.						Grand Total.		Works for which estimates are ready.	
		New.			Repairs.		Drinking-water supply.		Others.		Total.					
		Number.	Miles.	Amount.	Number.	Amount.	Number.	Amount.	Number.	Amount.	Number.	Amount.	Number.	Approximate cost.	Number.	Cost.
1	4	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
				RS.		RS.		RS.		RS.		RS.		RS.		RS.
XI. Viravilli.	Large—															
	Sanctioned	1	12	33,980	..	..	..	..	..	..	..	..	1	33,980	1	33,980
	Not sanctioned	6	54	88,000	..	..	..	..	..	..	..	..	6	88,000	..	..
	Small	1	1½	500	5	6,062	30	16,931	10	600	40	17,531	60	28,993	25	8,543
	Total	8	67½	1,22,480	5	6,062	30	16,931	10	600	40	17,531	67	1,50,973	26	42,523
XII. Anakápalle.	Large—															
	Sanctioned	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Not sanctioned	2	17	50,000	1	15,015	1	9,000	..	..	1	9,000	4	74,015	2	24,015
	Small	6	10½	13,644	11	24,208	60	70,530	51	14,500	111	85,030	134	1,35,382	52	45,382
	Total	8	27½	63,644	12	39,223	61	79,530	51	14,500	112	94,030	138	2,09,397	54	69,397
XIII. Sarvasiddhi.	Large—															
	Sanctioned	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Not sanctioned	6	48	82,520	..	..	..	..	..	..	..	..	8	1,24,760	4	43,760
	Small	2	5	6,850	5	6,885	72	52,940	1	6,000	73	58,940	93	87,827	91	68,741
	Total	8	53	89,370	5	6,885	72	52,940	1	6,000	73	58,940	101	2,12,587	95	1,12,501
XIV. Golgonda.	Large—															
	Sanctioned	1	9	28,320	..	..	..	..	..	..	..	..	1	28,320	1	28,320
	Not sanctioned	2	26	32,000	1	10,890	..	..	..	..	..	..	3	42,890	1	10,890
	Small	3	20	8,200	7	19,440	53	19,711	..	..	53	19,711	115	1,46,711	10	13,040
	Total	6	55	68,520	8	30,330	53	19,711	..	..	53	19,711	119	2,17,921	12	52,250
District Total.	Large—															
	Sanctioned	4	41	1,15,358	..	..	1	10,000	1	1,60,210	2	1,70,210	6	2,85,568	6	2,85,568
	Not sanctioned	74	632½	13,43,480	3	41,905	2	1,59,000	2	2,61,200	4	4,20,200	84	18,57,825	12	3,47,045
	Small	96	314½	2,52,842	153	2,11,562	1,276	5,12,735	1,618	2,93,600	2,894	8,06,335	3,828	14,97,364	1,404	3,50,537
	Total	174	988	17,11,680	156	2,53,467	1,279	6,81,735	1,621	7,15,010	2,900	13,96,745	3,918	36,40,757	1,422	9,83,150
Agency Tracts.																
I. Rayaghada.	Large—															
	Sanctioned	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Not sanctioned	..	..	..	2	97,500	..	..	..	..	..	..	2	97,500	..	..
	Small	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total	..	..	..	2	97,500	..	..	..	..	..	..	2	97,500	..	..
II. Párvatípuram.	Large—															
	Sanctioned	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Not sanctioned	..	..	..	1	15,556	..	..	..	..	..	..	1	15,556	..	..
	Small	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total	..	..	..	1	15,556	..	..	..	..	..	..	1	15,556	..	..
III. Gunupur.	Large—															
	Sanctioned	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Not sanctioned	..	..	..	2	48,644	..	..	..	..	..	..	2	48,644	..	..
	Small	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total	..	..	..	2	48,644	..	..	..	..	..	..	2	48,644	..	..
IV. Palkonda.	Large—															
	Sanctioned	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Not sanctioned	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Small	..	..	..	1	1,000	..	..	..	..	..	..	1	1,000	..	..
	Total	..	..	..	1	1,000	..	..	..	..	..	..	1	1,000	..	..
V. Pottangi.	Large—															
	Sanctioned	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Not sanctioned	..	..	..	1	20,000	..	..	..	..	..	..	1	20,000	..	..
	Small	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total	..	..	..	1	20,000	..	..	..	..	..	..	1	20,000	..	..

Abstract of the programme of famine-relief works in the Vizagapatam District for the year 1898-99—*cont.*

Taluks.	Population by last census in thousands.	Maximum number of persons for whom relief may be required daily in the event of serious famine.	Persons provided for by relief works daily for three months.			Irrigation works.				Forest fencing works		Road works.					Miscellaneous works.						Grand Total.		Works for which estimates are ready.	
			Class of works.	Numbers provided for on.	Total per cent. of population.	New.		Repairs.				New.			Repairs.		Drinking-water supply.		Others.		Total.					
						Number.	Amount.	Number.	Amount.	Number.	Amount.	Number.	Miles.	Amount.	Number.	Amount.	Number.	Amount.	Number.	Amount.	Number.	Amount.	Number.	Approximate cost.	Number.	Cost.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
														RS.		RS.								RS.		RS.
VI. Koraput.	74	14,800	Large—																							
			Sanctioned ..	..		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
			Not sanctioned ..	1,333		..	..	..	..	..	..	..	..	..	1	10,000	..	..	..	..	..	..	1	10,000	1	10,000
			Small	..		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
			Total ..	1,333	2	..	..	..	..	..	..	..	..	..	1	10,000	..	..	..	..	..	..	1	10,000	1	10,000
VII. Jeypore. VIII. Nowrangpore.	256	51,200	Large—																							
			Sanctioned ..	..		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
			Not sanctioned ..	5,333		..	..	..	..	..	..	..	..	..	1	40,000	..	..	..	..	..	..	1	40,000	..	..
			Small	..		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
			Total ..	5,333	2	..	..	..	..	..	..	..	..	..	1	40,000	..	..	..	..	..	..	1	40,000	..	..
IX. Golgonda.	29	5,800	Large—																							
			Sanctioned ..	..		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
			Not sanctioned ..	15,866		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
			Small	..		..	..	..	..	..	..	2	30	47,000	1	72,000	..	..	..	..	..	..	3	1,19,000	..	..
			Total ..	15,866	55	..	..	..	..	..	..	2	30	47,000	1	72,000	..	..	..	..	..	..	3	1,19,000	..	..
Total of Agency tracts.	730	146,000	Large—																							
			Sanctioned ..	..		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
			Not sanctioned ..	46,758		..	..	..	..	..	..	2	30	47,000	9	3,03,700	..	..	..	..	..	..	11	3,50,700	1	10,000
			Small	133		..	..	..	..	..	..	..	..	..	1	1,000	..	..	..	..	..	..	1	1,000	..	..
			Total ..	46,891	6	..	..	..	..	..	..	2	30	47,000	10	3,04,700	..	..	..	..	..	..	12	3,51,700	1	10,000

Exd. P. Seetharam.

E. I. Form No. 22—1,000—27-3-99.

GOVT. OF MADRAS. 1899. P. W. DEPT.

CHIEF ENGINEER FOR IRRIGATION.

Madras, 13 Nov 1899.

OFFICE NOTE No. 370

Em 2.

Circulation Register.

To	From	Despatch Date.	Receipt Date.
W	J	14-11-99	

KEEP-WITH.

No. , dated 189 .

With reference to G.O. No 3117 W., d/ 5 Dec/95, the Supg Eng. 1st Circle, reports in his letter, No. 1350 V.Z., d/ 2d inst, that besides the works mentioned in his letter No. 321 V.Z., d/ 12 March/99, in reply to my endorsement No 17 V.Z., d/ 7 Dec/98 (copies enclosed) he has

Village irrigation
No projects to suggest
as suitable for
famine relief work
in the Vizagapatam
Dt.

13/11/98

W Hughes
C. E.

14/11/98

Cu 9304

OW

For orders.

The S.E.'s report is a reply to G.O. No. 3117W of 5.12.98 (Page 114 E)

The question is whether the statement that there are no further projects to suggest, should be accepted, & the letter communicated to the Rev. Dept without remark, or whether further investigations should be ordered.

Cu
17.11.99.

It may be sent to the Board. At the same time S.E. shd be reminded that it is not necessary for a work to be financially remunerative to make it suitable as a famine work & he may be asked whether any other project previously condemned on the account of the poorness of their returns cannot be carried out with advantage as famine works. Failing any more useful work the Estimates for increasing the width of Tank bunds should be prepared as suggested by E. I.

HC
17/11/99