(1) பக்கங்களின் எண்ணிக்கை 30
(2) புதுக்கித் திருப்பிய நாள் July 88
(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

பொதுப்பணித் துறை

அரசாணை எண்.
மு. கோப்புத் தாள் எண். 2768 W

அச்சகம்
பலவகை

நாள் : 7-9-1888 ~~198~~ .

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

ஆவண. கா-1—18,000—15-6-87.

2768

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

Read—the following paper :—

From J. W. RUNDALL, Esq., M.I.C.E., Superintending Engineer, VI Circle, to the Chief Engineer, Public Works Department (through the Chief Engineer for Irrigation), dated Aulankulam, 7th August 1888, No. 429 T.C.

The Trichinopoly division formerly consisted of three sub-divisions as follows :—

(1) Head-quarter, comprising the cantonment and Trichinopoly taluk.
(2) Musiri, comprising the Musiri and Kulitalai taluks.
(3) Udayárpálaiyam, comprising Perambalúr and Udayárpálaiyam taluks.

2. The last-named sub-division seems to have been abolished, though existing on the 31st December 1884, as it is shown as a sub-division in the distribution return of officers on that date. My office cannot furnish me with any order abolishing it. At present the district is divided into two sub-divisions—(1) head-quarter comprising Trichinopoly taluk, Perambalúr and Udayárpálaiyam and (2) Musiri as above.

3. It seems to me a very awkward arrangement that the Musiri sub-division should consist of two taluks divided by a large unbridged river like the Cauvery at Musiri, and I think it would be advisable to rearrange the charges.

4. I would propose, as at present, to have two sub-divisions, but to make the Coleroon the boundary.

5. In this case the head-quarter sub-division would comprise the southern portion of the Trichinopoly taluk and the Kulitalai taluk with the works in the station.

6. The northern sub-division would comprise the Musiri taluk, north or Lálgudi portion of the Trichinopoly taluk, and the Udayárpálaiyam and Perambalúr taluks.

7. Each sub-division would contain the works shown below, and be of the area shown :—

—	Area.	Channels.	Imperial tanks.
	SQ. MLS.	NO.	NO.
Head-quarter sub-division ...	1,237	26	27
Northern sub-division	2,405	100	50
Total ...	3,642	126	77

8. As regards expenditure, the grants in the current year are Rs. 75,000 for works in northern sub-division and Rs. 49,000 for works in the head-quarter sub-division.

9. The head-quarter sub-division would be in the direct charge of the Executive Engineer and is therefore smaller.

10. The northern sub-division would require a separate officer, but I think that as a rule, the charge is one which might be held by an upper subordinate.

11. This arrangement would, I am sure, be better for the work. There is only one objection to it, viz., that there is no place at which there is a bungalow and office within the limits of the sub-division except at Musiri, and that is out of the way. It would be better, therefore, I think to make Trichinopoly the head-quarters also of the Northern sub-division officer, as an office could be found for him, and the distance outside the actual limits of the sub-division is only 4 miles. It would certainly be a better place for head-quarters than Musiri.

12. At present the Musiri sub-division is in charge of the Executive Engineer and has been so since early in March.

13. I propose, on Mr. Clerk's return to duty, to place Mr. Baker Honorary Assistant Engineer in charge of the sub-division of the Trichinopoly division, and, should you accept my proposals, will arrange the sub-division accordingly.

No. 80 E.W.

Forwarded to the Chief Engineer, Public Works Department. The Chief Engineer for Irrigation has no objection to the proposed arrangement.

Chepák,
22nd August 1888.

(Signed) J. P. DAVIDSON,
for Chief Engineer for Irrigation.

Order—dated 7th September 1888, No. 2768 W., Public Works.

The proposals of the Superintending Engineer, VI Circle, are sanctioned.

(True Extract.)

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

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

Exd. / Henricus.
Spare Copies

2/2768

GENERAL
ESTABLISHMENT.

Govt. of (1888) Madras,

PUBLIC WORKS.

Dated September, 7th.

Recd. *Encl.*

G.O., 7th Sept. 1888, No. 2768 W.

SEPTEMBER.

Sub-divisions in the Trichinopoly Division

Rearrangement of the — as proposed by the Superintending Engineer, VI Circle, sanctioned.

3/2768

List of Sub-divisions for 1887-88.

Division.	Sub-divisions.
1887-88.	
Ganjam	1. Chicacole. 2. Aska. 3. Russellkonda. 4. Suradá.
Vizagapatam ...	1. Vizagapatam. 2. Vizianagrum. 3. Koreput.
Godávari, Eastern ...	1. Head works. 2. Delta. 3. Rajahmundry. 4. Dumagudem. 5. Workshops.
Godávari, Central ...	1. Ralli or No. I. 2. Nagaram or No. II.
Godávari, Western ...	1. Eastern. 2. Western. 3. Tank and embankment.
Kistna, Eastern ...	1. Head-quarters. 2. Northern. 3. Southern. 4. Gudiváda.
Kistna, Western ...	1. Eastern. 2. Western.
Nellore	1. Gúdúr. 2. Kandakúr. 3. Sangam.
Buckingham Canal.	1. Northern. 2. Iskapalle. 3. Pulicat. 4. Southern.
Bellary	1. Bellary or Northern. 2. Anantapur or Southern.
Cuddapah	1. Eastern or Nandalúr. 2. Madanapalle.
Kurnool	1. Cumbum. 2. Upper. 3. Central. 4. Lower.
West Coast	1. Mangalore. 2. Cannanore. 3. Calicut. 4. Vayitri.
Coimbatore	1. Coimbatore. 2. Erode. 3. Salem. 4. Barur.
Nílgiris	1. North Ootacamund. 2. South do.
North Arcot ...	1. Vellore. 2. Ranipett.
South Arcot ...	1. Head-quarters. 2. Tindivanam. 3. Chidambaram. 4. Vriddháchalam.
Chingleput	1. Head-quarters. 2. Tiruvallúr. 3. Chingleput.
Presidency	1. Bangalore. 2. Madras Military Works. 3. Madras Civil Works.
Presidency Workshops.	......
Trichinopoly ...	1. Head-quarters. 2. Musiri.
Tanjore	1. Head-quarters. 2. Tanjore. 3. Máyavaram. 4. Grand anicut.
Negapatam	1. Head-quarters. 2. Tiruthraipúndi. 3. Maunárgudi.
Madura	1. Head-quarters. 2. Dindigul. 3. Periyakulam. 4. Vaigai bridge.
Ramnad	
Tinnevelly	1. Head-quarters. 2. Shermádevi. 3. Tenkarai.
Consulting Architect.	1. East. 2. West.

25th April 1887, No. 1137 W., Public Works.

4/2768

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

Read—the following papers :—

From the Superintending Engineer,	I Circle,	dated	31st March 1887,	No.	3 G.L.
,, ,, ,,	II ,,	,,	14th ,, ,,	,,	379 G.L.
,, ,, ,,	III ,,	,,	12th ,, ,,	,,	2442.
,, ,, ,,	IV ,,	,,	11th ,, ,,	,,	125 E.W.
,, ,, ,,	V ,,	,,	8th ,, ,,	,,	6029.
,, ,, ,,	V ,,	,,	10th ,, ,,	,,	6080.
,, ,, ,,	V ,,	,,	1st April ,,	,,	3.
,, ,, ,,	V ,,	,,	11th March ,,	,,	2075 T.J.
From the Consulting Architect to Government,		,,	12th ,, ,,	,,	1534.

Order—dated 25th April 1887, No. 1137 W., Public Works.

The attached list of sub-divisions, compiled from lists submitted by Superintending Engineers, is approved.

(True Extract.)

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

To the Chief Engineer for Irrigation.
,, Superintending Engineers.
,, the Consulting Architect to Government.
,, the Examiner, Public Works Accounts.

Exd. P. L. Pereira.
Spare Copies

GENERAL.
ESTABLISHMENT.

Govt. of {1887} Madras

PUBLIC WORKS.

Dated April 25th.

Recd. *Encl.*

G.O., 25th April 1887, No. 1137 W.

APRIL

Sub-divisions

Circulating a list of authorised — in the Madras Public Works Department.

Accompaniments to letter to the Secretary to the Government of India, No. 1584 W., dated 31st May 1888.

5/2568

Statement No. I.

STATEMENT of Divisional Grants and estimated Revenue working up to Appendix C of Budget Estimate of the Madras Presidency for the year 1887-88.

Circles.	No.	Divisions.	Works Grant.									Revenue.							Remarks.
												Direct.					Indirect.		
			Imperial, Military.	Imperial, Civil Works.	35. Construction of Protective Irrigation Works.	42. Major Works (working expenses).	43. Capital expenditure on Public Works not charged against Revenue.	Provincial Civil Works.	43. Minor Works and Navigation, Provincial.	Incorporated Local.	Court of Wards.	Imperial, Military.	Major Works, direct receipts.	Civil Works, Provincial.	Minor Works, Navigation Provincial.	Civil Works, Local.	Major Works, working expenses.	43. Minor works, Navigation Provincial.	
			RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	
I	1	Ganjam	..	..	* 2,30,000	..	..	3,500	18,000	..	1,19,000	..	..	1,403	..	22	..	..	* Rushikulya Project.
	2	Vizagapatam	2,000	800	..	..	..	72,000	8,000	..	..	..	..	56	..	..	..	..	
	3	Godávari, Eastern	1,250	800	..	92,000	30,000	19,442	39,500	13,000	..	..	59,914	2,793	1,567	..			
	4	Do. Western	..	..	..	90,000	36,048	3,434	21,700	..	1,500	..	33,387	762	1,134	..	16,70,000	1,30,000	
	5	Do. Central	..	..	..	50,000	1,15,920	..	27,800	..	..	..	4,947	76	995	..			
II	6	Kistna, Eastern	60	400	..	95,500	3,21,683	3,500	15,500	40	..	..	20,117	2,556	265	..			
	7	Do. Western	..	200	..	67,500	1,44,300	400	4,500	1,000	..	..	9,492	433	47	..	10,22,000	78,000	
	8	Nellore	360	300	..	40,000	1,98,350	3,000	1,06,500	600	..	..	520	2,710	819	611	1,70,000	2,70,000	
	9	Buckingham Canal	..	..	75,000	..	..	..	2,31,134	..	..	..	..	36	62,086	..	..	..	
III	10	Bellary	41,429	2,529	..	..	..	21,500	23,147	..	..	185	..	4,353	66	..	..	..	
	11	Cuddapah	600	200	..	..	..	68,182	28,000	..	..	..	..	281	..	..	..	..	
	12	Kurnool	550	200	..	1,23,000	..	31,000	46,024	..	..	..	28,147	431	..	682	80,000	..	
IV	13	Nilgiris	51,329	700	..	..	..	1,53,902	..	..	..	2,437	..	6,809	..	..	..	..	
	14	Coimbatore	6,070	300	..	..	24,400	13,110	89,500	..	500	1,125	..	5,769	1,437	587	..	..	
	15	West Coast	43,786	300	..	..	..	1,44,493	1,500	..	..	1,704	..	3,850	..	..	..	..	
V	16	North Arcot	6,583	400	..	..	..	8,245	1,46,900	..	..	247	..	2,387	1,315	3,452	..	..	
	17	South Arcot	174	200	..	..	..	800	1,41,335	6,640	..	..	..	15,225	1,786	93	..	..	
	18	Chingleput	37,671	..	..	..	..	16,150	1,95,392	..	..	936	..	477	4,920	..	..	..	
	19	Presidency and Bangalore ..	2,16,900	500	..	..	..	95,790	4,000	..	..	16,310	..	2,877	..	..	..	..	
	20	Presidency Workshops ..	..	..	..	..	..	..	..	..	..	..	..	10,415	..	..	..	..	
VI	21	Trichinopoly	12,480	200	..	..	..	11,500	75,000	1,000	..	2,056	..	878	2,705	181	..	..	
	22	Tanjore	400	300	..	59,100	7,890	37,000	75,500	8,460	..	..	4,447	985	667	235	5,50,000	23,50,000	
	23	Negapatam	165	450	..	38,000	..	8,000	42,500	3,788	..	..	233	565	1,004	1	..	..	
	24	Madura	240	400	..	..	..	42,600	1,05,000	1,20,000	..	..	..	928	284	— 24	..	..	
	25	Ramnad	..	..	..	..	..	..	..	..	1,40,000	..	..	53	..	..	..	..	
	26	Tinnevelly	250	1,075	..	15,750	9,700	6,147	1,11,117	..	..	..	796	1,717	1,178	160	1,20,000	80,000	
	27	Consulting Architect ..	..	1,500	..	..	..	69,505	..	..	..	..	..	6,309	..	..	..	..	
	28	Presidency Stores	..	..	..	..	..	..	..	..	..	..	..	17,956	..	..	..	..	
	29	Reserve with the Government.	10,830	1,375	..	..	..	1,73,800	26,804	..	..	..	..	..	..	..	..	..	
	30	Reserve at disposal of Commanding Officers	9,373	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
	31	Reserve at disposal of Director-General of Post-offices ..	..	7,871	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
	32	Reserve at disposal of Director-General of Telegraphs ..	..	6,000	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
	33	Minor Irrigation Works ..	..	..	..	..	..	..	2,69,203	..	..	..	..	..	..	..	..	..	
	34	Adjustment on account of old maintenance charges ..	..	..	..	−1,28,618	..	..	1,28,618	..	..	..	..	..	..	..	..	..	
		Total ..	4,42,600	27,000	3,05,000	5,47,262	8,88,291	10,07,000	19,82,174	1,54,528	2,61,000	25,000	1,62,000	93,000	82,275	6,000	36,12,000	29,08,000	

NOTE.—With reference to para. 4 of India's letter, No. 305 G., dated 6th February 1888, it should be noted that the Gudiváda Division was not in existence in 1887-88, and the grant for the Periyár Project was sanctioned subsequent to the budget for that year, consequently, the figures for the former cannot be given separately, and there are no figures relating to the latter to be entered either separately or otherwise.

MADRAS,
10th March 1888.

(Signed) C. H. P. CHRISTIE, Major, R.E.,
Examiner, Public Works Accounts.

6/2768

Statement No. III.

STATEMENT showing the number of subdivisions in each division and the distribution of the Staff.

Division.	Officer in charge.	Subdivision.	Officer in charge.	Detached officers.	Overseers.
Rushikulya	Executive Engineer.	Aska	Assistant Engineer.	One Assistant Engineer (on special duty).	Three Overseers.
		Russelkonda	Do.	One temporary Sub-Engineer.	One do. One temporary Overseer.
		Surada *	....	....	....
Ganjam	Do.	Berhampore or head-quarters.	Executive Engineer of the Division.	....	Two Overseers.
		Chicacole	Sub-Engineer	....	One do.
		Parlákimedi	One temporary Sub-Engineer.	....	Two temporary Overseers.
Vizagapatam.	Do.	Vizagapatam	Overseer	....	Two Overseers.
		Vizianagaram	Do.	....	....
		Koraput (Special Subdivision).	Assistant Engineer.	One Supervisor	One Overseer.
Godávari, Eastern.	Do.	Head works	Overseer	One Assistant Engineer (on special duty).	....
		Delta	Assistant Engineer.	One Supervisor	One Overseer.
		Rajahmundry	One Supervisor	....	Do.
		Dumagudiem	Executive Engineer (temporary rank.)	....	Do.
		Workshops	Supervisor	....	....
Godávari, Central.	Assistant Engineer.	Ralli	Sub-Engineer	....	One Overseer.
		Nagaram	Assistant Engineer.	....	Two Overseers.
Godávari, Western.	Executive Engineer.	Eastern	Do.	Supervisor.	....
		Western	Supervisor	....	One Overseer.
		Tank and embankment.	Sub-Engineer	....	Do. One temporary Overseer.
Kistna, Eastern.	Do.	Head-quarters or northern.	Executive Engineer of Division.	One Sub-Engineer. Two Supervisors	Two Overseers.
		Southern	Assistant Engineer.	One Supervisor	One temporary Overseer.
		Gudivada	Do. †	Do.	One Overseer. One temporary Overseer.
Kistna, Western.	Do.	Eastern	Do.	Do.	Two Overseers.
		Western	Do.	Do.	One temporary Overseer.
Nellore	Executive Engineer, (temporary rank).	Head-quarters	Executive Engineer of Division.	Do.	One Overseer.
		Gúdúr	Supervisor	....	Do.
		Kandukúr	Do.	....	Two Overseers.
		Sangam	Assistant Engineer.	Three Supervisors	One Overseer.
Buckingham Canal.	Executive Engineer.	Southern	Sub-Engineer	....	Do.
		Pulicat	Do.	One Supervisor	One temporary Overseer.
		Pennér	Do.	....	....
		Northern	Assistant Engineer.	....	One Overseer.
Bellary	Do.	Head-quarters	Executive Engineer of Division.	One Sub-Engineer	....
		Northern	Supervisor	One Supervisor	One Overseer.
		Southern	Sub-Engineer	....	Do.
Cuddapah	Do.	Head-quarters	Executive Engineer of Division.	....	Three Overseers.
		Nandalur or Western.	Temporary Supervisor.	....	....
		Madanapalle	Supervisor	....	....
Kurnool	Executive Engineer (temporary rank.)	Cumbum	Do.	One Supervisor	Two Overseers.
		Canal, Upper	Sub-Engineer	....	One Overseer.
		Do. Central	Assistant Engineer.	....	One do. One temporary Overseer.
		Do. Lower	Honorary Assistant Engineer.	One Supervisor	One Overseer.
Tank Restoration Scheme, No. III Party.	Executive Engineer (India List.)	....	....	....	Do. Two temporary Overseers.
West Coast	Executive Engineer.	Mangalore or South Canara.	Sub-Engineer	....	One Overseer.
		Cannanore	Supervisor	....	....
		Calicut	Do.	....	Two Overseers.
		Vayitri	Assistant Engineer.	....	Two do.
Coimbatore	Do.	Coimbatore	Sub-Engineer	One Supervisor	One Overseer.
		Erode	Supervisor	Two Supervisors	One do.
		Salem	Executive Engineer (temporary rank.)	One Supervisor	One do.
		Barur	Sub-Engineer	Do.	One do.
Tank Restoration Scheme, No. IV Party.	Do.	....	....	....	Three temporary Overseers.

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* Not yet formed.

† An Assistant Engineer is in temporary charge. An Executive Engineer will again shortly be posted to this charge.

Statement showing the number of subdivisions in each division, &c.—*cont.*

Division.	Officer in charge.	Subdivisions.	Officer in charge.	Detached officers.	Overseers.
Nilgiri	Executive Engineer.	No. I	Sub-Engineer	....	Two Overseers.
		No. II	Supervisor	....	....
North Arcot	Do.	Vellore	Executive Engineer (temporary rank.)	One Supervisor	Two Overseers. One temporary Overseer.
		Ranipet	Honorary Assistant Engineer.	....	Three Overseers.
Tank Restoration Scheme, No. V Party.	Temporary Supervisor.	....	....	....	One temporary Overseer.
South Arcot	Executive Engineer.	Head-quarters	Sub-Engineer	One Supervisor	....
		Tindivanam	Honorary Assistant Engineer.	....	Two Overseers.
		Chidambaram	Assistant Engineer.	....	One Overseer.
		Vriddhachalam	Sub-Engineer	....	Do.
Chingleput	Do.	Head-quarters	Supervisor	....	One temporary Overseer.
		Tiruvallur	Do.	Two Supervisors	One Overseer.
		Chingleput	Sub-Engineer	One Supervisor	Do.
Tank Restoration Scheme, No. II Party.	Honorary Assistant Engineer.	....	....	....	Two temporary Overseers.
Presidency and Bangalore.	Executive Engineer.	Madras, Military	Supervisor	One Supervisor	....
		Do. Civil	Sub-Engineer	Do.	One Overseer.
		Bangalore	Do.	....	Do.
Presidency Workshops.	Do.	....	....	One Honorary Assistant Engineer.	....
Trichinopoly	Do.	Head-quarters	Executive Engineer of Division.	....	Two Overseers.
		Hosur	Supervisor	....	Do.
Tanjore	Do.	Head-quarters	Sub-Engineer	....	One Overseer.
		Tanjore	Executive Engineer (temporary rank.)	One Supervisor	Do.
		Mayavaram	Supervisor	Do.	Two Overseers.
Madura	Do.	Head-quarters	Executive Engineer of Division.	Do.	One Overseer.
		Vaigai bridge	Executive Engineer (temporary rank.)	One Honorary Assistant Engineer. One Assistant Engineer (on probation).	Do.
		Dindigul	Sub-Engineer	Two Supervisors	One Overseer. One temporary Overseer.
		Periakulam	Do.	....	Four Overseers.
Tank Restoration Scheme, No. I Party.	Do.	....	....	....	One Overseer. Two temporary Overseers.
Negapatam	Do.	Head-quarters	Executive Engineer of Division.	One Sub-Engineer	....
		Tiruturaipundi	Supervisor	....	One Overseer.
		Mannargudi	Assistant Engineer	Two Supervisors	....
Tinnevelly	Do.	Head-quarters	Executive Engineer of Division.	One Supervisor	....
		Tenkasi	Honorary Assistant Engineer.	....	One Overseer.
		Shermadevi	Sub-Engineer	One Supervisor	Three Overseers.
Ramnad	Executive Engineer (temporary rank.)	....	....	Do.	One Overseer. Three temporary Overseers.
Periyar Head Works Division.	Executive Engineer.	....	....	Two Assistant Engineers. One Supervisor	One Overseer.
Second Division.*	....	....	....	....	....
Consulting Architect.	Executive Engineer (India List.)	....	....	One Honorary Assistant Engineer. One Supervisor	....

* Not yet formed.

ABSTRACT.

		Total.
Existing number of Executive and Assistant Engineers on the Madras establishment ..	81	
Two officers from the Government of India List	2	
		83
Number of Madras officers actually employed in Divisions	56	
Number of officers of the Government of India List actually employed in Divisions ..	2	
Number employed in the Secretariat	3	
Number on leave	15	
Number on other duty	7	
		83
Sanctioned number of Upper Subordinates		185
Number actually employed in Divisions	182	
On leave, &c.	3	
		185
Sanctioned number of temporary Upper Subordinates		38
Number actually employed	29	
		29

7/2768

Statement No. IV.

STATEMENT showing Area and Expenditure of Public Works Subdivisions.

Division.	Subdivisions.	Area in square miles.	Expenditure during 1887-88.	Remarks.
			RS.	
Rushikulya ...	Aska	400	91,166	
	Russelkonda	350	71,586	
	Suradá	...	12,593	
Ganjam ...	Head-quarter or Berhampore.	1,800	70,000	
	Chicacole	461	20,000	
	Parlákimedi	615	50,000	
Vizagapatam ...	Head-quarter or Vizagapatam.	2,000	11,000	
	Viziadagrum	5,000	28,000	
	Koraput	11,000	43,000	
Godávari, Eastern.	Head Works	25	2,03,562	
	Delta	720	96,178	
	Rajahmundry	1,697	34,466	
	Dumagudiem	5	12,102	
Godávari, Central.	Ralli	320	1,20,000	
	Nagaram	185	44,000	
Godávari, Western	Eastern	520	96,962	
	Western	430	44,179	
	Tank and Embankment ...	1,620	17,018	
Kistna, Eastern ..	Head-quarter or Northern ...	1,100	95,000	
	Southern	500	81,000	
	Gudiváda	700	1,42,000	
Kistna, Western...	Eastern	670	1,36,000	
	Western	650	1,02,000	
Nellore ...	Head-quarter	1,327	1,15,000	
	Gúdúr	2,700	17,000	
	Kandukúr	4,500	26,000	
	Sangam	250	2,02,000	
Buckingham Canal.	Southern	lin. miles 70	60,000	
	Pulicat	„ 80	94,000	
	Pennér or Iskapalle ...	„ 50	55,000	
	Northern	„ 50	59,000	
Bellary ...	Head-quarter	..		Recently formed.
	Northern	5,948	97,776	
	Southern or Anantapur ...	5,103	28,060	
Cuddapah ...	Head-quarter or Cuddapah ..	3,104	83,897	
	Nandalúr or Western ...	1,804	8,999	
	Madanapalle	3,830	17,189	
Kurnool ...	Cumbum	7,533	19,307	
	Canal, Upper	lin. miles 65	35,500	
	Canal, Central	„ 58	35,756	
	Canal, Lower	„ 67	37,500	
West Coast ...	Mangalore or South Canara.	4,000	14,000	
	Cannanore	1,600	23,000	
	Calicut	3,200	82,000	
	Vayitri	900	1,63,000	
Coimbatore ...	Coimbatore	3,600	66,000	
	Erode	2,900	36,700	
	Salem	5,800	26,000	
	Barur	2,000	45,900	
Nilgiri ...	No. I	30	1,44,500	
	No. II	900	1,39,500	
North Arcot ...	Vellore	5,731	1,12,100	
	Ranipet	1,645	39,400	
South Arcot ...	Head-quarter	1,017	47,779	
	Tindivanam	2,257	45,500	
	Chidambaram	402	35,123	
	Vriddháchalam	1,464	24,680	

Statement showing Area and Expenditure of Public Works Subdivisions—*cont.*

Division.	Subdivisions.	Area in square miles.	Expenditure during 1887-88.	Remarks.
			RS.	
Chingleput ...	Head-quarter	7	62,367	
	Tiruvalúr	1,196	78,320	
	Chingleput	1,645	64,716	
Presidency ...	Madras, Military	9¾	1,00,343	
	Madras, Civil	20	1,74,766	
	Bangalore	13	79,298	
Trichinopoly ...	Head-quarter	1,297	90,646	
	Musiri	2,345	18,844	
Tanjore ...	Head-quarter	448	53,103	
	Tanjore	538	77,413	
	Máyavaram	770	53,525	
Madura ...	Head-quarter	1,276	91,405	
	Vaigai bridge	...	1,20,759	
	Dindigul	1,981	31,578	
	Periyakulam	1,481	91,524	
Negapatam ...	Head-quarter	239	48,398	
	Tiruturaipúndi	466	29,599	
	Mannárgudi	1,193	32,103	
Tinnevelly ...	Head-quarter	2,111	59,737	
	Tenkarai	553	48,513	
	Shermádevi	1,642	38,935	
Ramnad	......	2,112	76,640	
Periyár	......	...	1,05,340	
Consulting Architect.	East	7½	58,853	
	West	4	37,372	

9/2768

31st May 1888, No. 1584 W., Public Works.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

TER—from

Colonel J. O. HASTED, R.E.,
Secretary to the Government of Madras,
Public Works Department,

The SECRETARY to the GOVERNMENT of INDIA,
Public Works Department.

I am directed to acknowledge the receipt of your letters of the 6th February 28th March 1888, Nos. 305 G. and 757 G., respectively, and, with reference to as. 1 to 3 of the former letter, in which it is suggested that the number of upper ordinates in Madras should be reduced by the employment of a certain number of er subordinates in their place, I am to invite attention to para. 3 of my er No. 416 W., dated 6th February 1888, in which it was explained that the large covered by most of the executive divisions of this Presidency and the scattered ire of the works rendered it inadvisable to reduce the number of upper subordinates loyed, and that the executive charges which these officers are entrusted with, are that they cannot be efficiently worked by the class of men who enter the lower ordinate grades.

2. The Government of India will, it is hoped, be enabled to form a correct idea e importance of these executive charges by reference to the statements of area and nditure herewith forwarded, in compliance with the requests contained in your rs under reply.

3. It may further be remarked that the College of Engineering does not recognise r subordinates or sub-overseers, nor does it give instruction to any men as such. overseers usually commence life as workmen or maistries, and have very little ral education or knowledge of engineering outside their own trade; and the low of salary authorised for this class of subordinates as shown below can scarcely be cted to offer much inducement to a better class of men. The pay of a sub-eer is—

First Grade	Rs. 50 to 70
Second Grade	,, 35 to 45
Third Grade	,, 25 to 35

. If the efficiency of the subordinate classes of the department is to be maintained, ssential that the recruitment in the lower grades must be from a class who, by l education and technical knowledge will eventually be fit to rise to the higher It may be said that the men who pass out of the college will be glad to accept tments as sub-overseers, and this will, no doubt, be the case for a time; but the iate saving will be small, and the eventual result will be that in a few years the f men in the upper subordinate grades will be distinctly inferior to what is ed.

5. His Excellency the Governor in Council is thus decidedly of opinion that, while lower subordinates may with advantage be more largely employed than at present, they are wholly unfitted for the large and responsible charges now held by the upper subordinates of the Madras Public Works Department. It may, however, be possible to meet the wishes of the Government of India by the employment of lower subordinates to a larger extent when the necessity for increasing the temporary establishment arises, and the Chief Engineer will be directed to keep the matter in view, and to refrain from proposing any augmentation of the temporary upper subordinate establishment in cases where lower subordinates can with advantage be substituted.

6. The following statements, &c., accompany this letter:—

(1) Statement of divisional grants and estimated revenue working up to Appendix C of the budget estimate for 1887-88.
(2) Map showing divisional charges and their approximate area.
(3) Statement showing the number of subdivisions in each division and the distribution of the staff.
(4) Statement showing the area and expenditure of each subdivision.

7. The information contained in statement (1) has been furnished by the Examiner, Public Works Accounts, but that officer being unable to supply particulars of expenditure by subdivisions, Superintending Engineers had to be referred to; and statement (4) has been compiled from the information furnished by those officers. The Examiner, to whom the statement was referred for verification, is unable to do more than indicate, without reconciling, the differences between the approximate figures furnished by Superintending Engineers and those of the booked accounts of his office. As, however, the Government of India seem to desire only approximate figures for subdivisions, the information is sent on without further reference to executive officers which would involve further considerable delay.

8. The "detached officers" shown in statement (3) are, for the most part, employed where new works are in progress, and the officer in charge of the subdivision is unable to cope with the work imposed on him in consequence of the number of the works in progress, or the distances between them.

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

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

Ootacamund,
31st May 1888.

Exd F. R. Bantleman.
Spare Copies

9/2768

GENERAL.
ESTABLISHMENT.

Govt. of (1888) Madras.
PUBLIC WORKS.

27-6-88

Dated May, 31st.

Recd. *Encl.*

31st May 1888, No. 1584 W.

MAY.

Madras Public Works Establishment

The Government of India addressed with regard to their suggestion relative to the reduction of upper subordinates and the increase of lower subordinates in the —.

Public Works Department.

No. 680 C dated [illegible]th February 1887.

M E M O R A N D U M.

10/2768

In continuation of telegrams of the 24th instant, to the I, II, & VI Circles, it is now notified that from the Ist March 1887, the divisions in the several Circles will be as follows :-

I Circle

Ganjam, including Rushikulya.

Vizagapatam.

Eastern Godavari.
Western Godavari, including Central Godavari.

II Circle.

Eastern Kistna including Gudivada.

Western Kistna.

Buckingham Canal.

Nellore including Sangam

III Circle.

Bellary.

Kurnool.

Cuddapah.

IV Circle.

Nilgiris.

Coimbatore.

West Coast.

V Circle.

North Arcot.

South Arcot.

Chingleput.

Presidency & Bangalore.

Presidency Stores & Workshops.

VI Circle.

Trichinopoly.

Tanjore.

Negapatam.

Madura including Ramnad

Tinnevelly.

Consulting Architect.

2. The Head quarters of the combined divisions will be as follows :-

Ganjam .. Dowgam

Western Godavari .. Chettipet.

Eastern Kistna .. Bezwada.

Nellore. Nellore.

Madura .. Madura.

3. The head quarters of other divisions will be as at present.

4. For purposes of Account, Ganjam will be a sub-division of the new Ganjam division, Central Godavari a sub-division of Western Godavari, Sangam a sub-division of Nellore, and Ramnad a sub-division of Madura, but it will be understood that when the officers in charge of those sub-divisions hold the rank of Executive Engineer they will not be liable to have their work inspected by the divisional officer, and, except with respect to drawing funds from the head office and in matters of account, they will be directly under the orders of the Superintending Engineer.

(By Order)

W C Baddeley Captain R.E

Dy. Chief Engineer P. W. D.

11/2768

To

The Suptg. Engineers.
Consg. Archt. to Govt
Chief Engr. for Irrign.
Examiner P.W. Accounts with reference to his offic. note No 763 dated 21st February 1887.

Prod

Memo $\frac{12}{2768}$

With reference to Memo No 686 C dated 25th February 1887, Deputy Engrs are requested to forward to this Office, as early as practicable, lists of sub divisions in each division as they will stand from 1st March 1887.

7.3.87

8/3/87

To Deputy Engrs

CA Govt.

7/3/87

P. 686 C of 25-2-7

1 P

OFFICE OF THE SUPERINTENDING ENGINEER,
6TH CIRCLE.

Camp. Aulankulam 7th August 1888.
Desp'd 10th.

No. 4293C

From
J. W. Rundall Esquire M. I. C. E.
The Superintending Engineer,
6th Circle.

13/2768

To
The Chief Engineer
P. W. D.

Thro' The Chief Engineer for Irrigation

Sir,

ENCLOSURES.

The Trichinopoly Division formerly consisted of 3 Sub Divisions as follows:-

(1) Head quarter; Comprising the Cantonment and Trichinopoly Taluq.

(2) Musiri; Comprising the Musiri and Kulitthalai Taluks.

(3) Udiyarpaliem; Comprising Perambalur and Udiyarpaliem Taluks.

2. The last named Sub Division seems to have been abolished, though existing on the 31st December 1884, as it is shown as a Sub Division in the Distribution Return of Officers on that date. My Office cannot furnish me with any order abolishing it. At present the District is

divided

× Information this can't be traced
C. May
Kinns Draft
16/8

divided into two Sub Divisions (1) Head quarter Comprising Trichinopoly Taluk Perambalur and Udayarpalium and (2) Musiri as above.—

3. It seems to me a very awkward arrangement that the Musiri Sub Division should Consist of two Taluks divided by a large unbridged river like the Cauvery at Musiri, and I think it would be advisable to rearrange the charges.

4. I would propose, as at present to have two Sub Divisions but to make the Coleroon the boundary.—

5. In this case the Head quarter Sub Division would Comprise the Southern portion of the Trichinopoly Taluk and the Kulitalai Taluk with the works in the Station.—

6. The Northern Sub division would Comprise the Musiri Taluk, north or Lalgudi portion of the Trichinopoly Taluk, and the Udayarpalium and Perambalur Taluks.

7. Each Sub Division would contain the works shown below, and be of the area shown

	Area Sq. miles	Channels No.	Imperial tanks No.
Head Quarter Sub Dn.	1237	26	27
Northern Sub Division	2405	100	50
Total —	3642	126	77

8. As regards expenditure, the grants in the current year are Rs. 75,000 for works in Northern Sub Division and Rs. 49,000 for works in the Head quarter Sub Division.

VP

9. The Head quarter Sub division would be in the direct charge of the Executive Engineer and is therefore smaller.

10. The Northern Sub Division would require a separate Officer, but I think that, as a rule, the charge is one which might be held by an upper Subordinate.—

11. This arrangement would I am sure be better for the work. There is only one objection to it, viz. that there is no place at which there is a Bungalow and Office within the limits of the Sub Division except at Musiri, and that is out of the way. It would be better therefore I think to make Trichinopoly the Head quarters also of the Northern Sub Division officer, as an Office could be found for him and the distance outside the actual limits of the Sub Division is only 4 miles. It would certainly be a better place for Head quarters than Musiri.—

12. At present the Musiri Sub Division is in charge of the Executive Engineer and has been so since early in March.

13. I propose, on Mr. Clerk's return to duty, to place Mr. Baker Honorary Assistant Engineer in charge of the Sub Division of the Trichinopoly Division, and should you accept my proposals will arrange the Sub Division accordingly.—

I have the honor to be
Sir
Your most obedt. Servt.

J. W. Rundall

Superintg. Engineer IIIrd. Circle

V.P.
9-8-88

P.W.D. No. [illegible]

P. W. D. 6TH CIRCLE.

Forwarded to the Chief Engineer P.W. Department

The Chief Engineer for Irrigation has no objection to the proposed arrangement.

[illegible]

(2)

From

The Superintending Engineer,
6th Circle.

To

The Chief Engineer
P.W.D.
Madras
the Chief Engr. for Irrigation

No. 4292 [illegible]

Dated 7th
Recd. 10th } August 1888

To the Chief Engineer [illegible]

Chief [illegible]
[illegible]
G.O. 1581, W. 31-5-88
" 1837 W. 25-4-87
" 5476 " 8-3-87
" 6586 " 25-2-87

Enclosure. None.

Requesting to accept the proposals of the Sub-Divisions in the Trichinopoly District.

The proposals of [illegible] the Chief Engr. [illegible] are sanctioned [illegible]

W [illegible]
30-8-88

13/8

S.E. 6th Circle
Ch. E. for Irrigation
[illegible]
22/9/88

[illegible] 30-8-88 [illegible]

15
2768

[illegible] of 1888 [illegible]
PUBLIC WORKS.

5/11

7 Sept 2768 W

Sub Divisions in the Trichinopoly D^t.

Rearrangement of the —— as proposed by the S. E. VI Circle, Sanctioned.

3/8/9