(1) பக்கங்களின் எண்ணிக்கை 46

(2) புதுக்கித் திருப்பிய நாள் 5/89

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

③

தமிழ்நாடு அரசு

P. W. D துறை

அரசாணை எண். / மு. கோப்புத் தாள் எண். 1720

அச்சகம் / பலவகை

நாள் : 1-7-1889 ~~19~~.

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

23. Sheets

22+1 sht

ஆவண கா-1—18,006—15-6-87.

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31st May 1888, Nos. 1583, 1584 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

Read—the following papers:—

From Colonel R. C. B. PEMBERTON, R.E., Secretary to the Government of India, Public Works Department (General), to the Secretary to the Government of Madras, Public Works Department, dated Fort William, 6th February 1888, No. 305 G.

I am directed to acknowledge the receipt of your No. 2611 W., dated 4th October, in which you reply to the several points raised in this Office No. 1721 G., dated 2nd September last, regarding the various branches of the Madras Public Works establishment.

2. In reply, I am directed to state that the Government of India is fully aware that the administration of the Madras Presidency is mainly conducted on an economical system; and, speaking generally, if the Madras Government declare that they are unable to effect any suggested reduction, it would not be considered desirable to press the suggestion further. But in the present case it is thought that the suggestion made with regard to the reduction in the number of upper subordinates has not been fully apprehended. In your 5th paragraph it is urged that on account of the large area of executive charges and the scattered nature of the works a larger number of subordinates is required than in other Provinces. But this does not meet the suggestion of the Government of India that the number of upper subordinates was too large and that of lower subordinates too small. The numbers of these two classes of subordinates employed in Madras and in other Provinces are approximately as follows:—

	Madras.	Bengal.	North-Western Provinces.
Upper	185	114	94
Lower	30	155	249

From this statement it is evident that in Bengal and the North-Western Provinces lower subordinates do, to a considerable extent, take the place of upper subordinates, and it is considered that an attempt should be made to substitute the same agency in Madras. If it were known that lower subordinates would be more largely employed in Madras, it is believed that there would be no lack of suitable candidates.

3. I am to suggest, therefore, that, as an experiment, only one out of every three vacancies that occur may be filled up in the upper subordinate establishment, and that the others may be filled by lower subordinates, this procedure being followed for a considerable time, until the present scale of upper subordinates is reduced to a scale allowing of not more than four on an average to each division.

4. I am also to request that when replying to this reference you will forward a statement showing the Expenditure and Revenue in each of the 27 divisions

enumerated in Appendix D, which accompanied your No. 1147 W., dated 26th April 1887.

The Expenditure and Revenue should work up to the same totals as in the first three columns of Appendix C, which accompanied your letter above quoted, and Direct and Indirect Revenue should be distinguished. Under the Ganjam Division, the Rushikulya Project should be shown distinct, and under the Kistna Eastern Division, the Gudiváda Division and Periyár Works, which, in your letter under reply, you state form for the present separate charges, must be kept distinct.

5. I am also to request that a map may be submitted indicating the several charges in distinct colors and their approximate areas. Wherever two or more officers are employed in one division, the nature of the distribution of their work should be stated, and if the work is divided territorially, the different areas allotted to each should be shown on the map.

6. The further reports promised regarding the possibility of reducing the clerical establishment are awaited.

From G. H. D. WALKER, Esq., Under-Secretary to the Government of India, Public Works Department (General), to the Secretary to the Government of Madras, Public Works Department, dated Calcutta, 28th March 1888, No. 757 G.

I am directed to acknowledge receipt of your No. 416 W., dated 6th February, on the subject of the Madras Public Works establishment, and to say that a reply to this office No. 305 G., of the same date, will be awaited. I am also to request that, in addition to the information to be supplied as requested in paras. 4 and 5 of that letter, you will furnish a distribution statement showing the number of subdivisions in each division or executive charge, and how the proposed number of Executive Engineers, Assistant Engineers acting as such, and upper subordinates are distributed over the subdivisional charges; also approximately, and so far as can be done by reference to information in your possession, the area and expenditure of each subdivision. If Assistant Engineers or upper subordinates are not in charge of subdivisions, it should be explained what their charges or general duties are.

Order—dated 31st May 1888, No. 1583 W., Public Works.

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

(Here enter No. 1584 W., dated 31st May 1888.)

(True Extract.)

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

Letter—to the Secretary to the Government of India, Public Works Department, dated Ootacamund, 31st May 1888, No. 1584 W.

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

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

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

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

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

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.

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

Exd. F. R. Bantleman.
Spare Copies

5 2

GENERAL.
ESTABLISHMENT.

Govt. of {1888} Madras.

PUBLIC WORKS.

Dated May, 31st.

Recd. Encl.

G.O., 31st May 1888, Nos. 1583, 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 —.

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Accompaniments to letter to the Secretary to the Government of India, [illegible] *1584 W., dated 31st May 1888.*

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).	48. 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	..	16,70,000	1,30,000	
	4	Do. Western	..	..	..	90,000	36,048	3,434	21,700	..	1,500	..	33,387	762	1,134	..			
	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	..	10,22,000	78,000	
	7	Do. Western	..	200	..	67,500	1,44,300	400	4,500	1,000	..	..	9,492	433	47	..			
	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	650	200	..	1,28,000	..	31,000	46,024	..	..	..	28,147	431	..	682	80,000	..	
IV	13	Nílgiris	51,329	700	..	..	..	1,53,902	..	..	500	2,437	..	6,809	..	..	..	..	
	14	Coimbatore	6,070	300	..	..	24,400	13,110	89,500	..	..	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	..	838	2,705	181	..	..	
	22	Tanjore	400	300	..	59,100	7,890	37,000	75,500	8,460	..	..	4,447	935	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	..	15,780	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.

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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.
		Vizianagarum ..	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.
		Gudiváda ..	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.	Subdivision.	Officer in charge.	Detached officers.	Overseers.
Nílgiri ..	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.
		Ranipett ..	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.
		Vriddhachallam ..	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.
		Musuri ..	Supervisor	....	Do.
Tanjore ..	Do. ..	Head-quarters ..	Sub-Engineer ..	....	One Overseer.
		Tanjore.. ..	Executive Engineer (temporary rank.)	One Supervisor ..	Do.
		Mayaveram ..	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.
Negapatam ..	Do. ..	Head-quarters ..	Executive Engineer of Division.	One Sub-Engineer ..	Two temporary Overseers.
		Tiruturaipúndi ..	Supervisor ..	....	....
		Mannargudi ..	Assistant Engineer.	Two Supervisors ..	One Overseer.
Tinnevelly ..	Do. ..	Head-quarters ..	Executive Engineer of Division.	One Supervisor ..	....
		Tenkerai ..	Honorary Assistant Engineer.	....	....
		Shermadevi ..	Sub-Engineer ..	One Supervisor ..	One Overseer.
Ramnad ..	Executive Engineer (temporary rank.)	....	....	Do. ..	Three Overseers.
Periyar Head Works Division.	Executive Engineer.	....	....	Two Assistant Engineers. One Supervisor ..	One Overseer. Three temporary Overseers. 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

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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	
	Vizianagrum	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	
Nílgiri ...	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	
	Tiruvallúr	1,190	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	59,787	
	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	37,572	

S.H.W. 1720

C. Sivaswamy may be offered an appointment on 60 Rs in Bellary, with a lien on his permanent appointment, as this was noted in the former offer to him. No action to be taken until we hear about Mr Nicholson. Appointments in Vizag have been offered to

Muthuswami Sastri
Subramaniyer
Srinivasa

and nothing need be done about them until their replies are received.

The strength of the U. S Estab seems insufficient at present, and it will be necessary to ask S.Es to state what additions to the sanctioned scale they consider necessary, the additional men to be temporary, and sub-overseers to be taken on in preference to overseers, vide Govt of India letter 6 & C.O.

13.4.89

No. 2037 C d/ 25 April 1889

P. W. D.

C

Circular Memo. 1720

As frequent applications are received for additional Upper Subordinates, the Chief Engineer has the honor to request that Superintending Engineers will report whether any and if so what additions to the sanctioned scale of Upper Subordinates are considered necessary in the different Circles.

2. In accordance with the wishes of the Govt: of India, Sub Overseers should be employed in preference to Overseers, and Supdg. Engineers should bear this in mind in submitting their proposals.

vide 1583/4. W. 8 31.5.88.

15.4.89

To Supdg Engineers

D 24/4

16-4-89

J.B.
15/4/9

G.O. Aus 1583. 84 W d/ 31-5-88

Memo

No. 2037C d/ 25th April 1889

E. 25/4.

3/4

0/15/4 Ack. 23/4. [illegible]/4.

DW

W

No. 741 P.R

Office of the Supg Engineer
Periyar Project Works,
Kodaikanal 4 May 89

1770 O/7

From

Colonel J. Pennycuick R.E.
Superintending Engineer,
Periyar Project Works.

To

The Chief Engineer,
P.W. Department.

Sir,

In reply to your No 2037C of 25th April 1889 I have the honor to state that the only addition I think likely to be required to the present subordinate establishment for this Project during the current official year is one overseer for No I Periyar Division

I have the honor to be,

Sir,

Your most obdt. Servt,

J. Pennycuick Colonel R.E.,

8

Supg Engr Periyar Project

PWC, No 1423

No. 741. P.R

From,
The Supdg Engineer
Periyar Project
To,
The Chief Engineer
P. W. D.
Dated 4th May 1889.

9.5.89

Subordinate Establish-ment - States that the only addition likel to be required to the present — for the Periya Project during the current official year is one overseer for No I Periyar Dn —

Compile
9.5.89

1720

OFFICE OF THE SUPERINTENDING ENGINEER,
6TH CIRCLE.

Kodaikanal 1st May 1889.
Despd 3rd

No. 2041 J

From W. Hughes Esqr.
~~The~~ Superintending Engineer,
6th Circle.

To
The Chief Engineer
P. W. D.

Sir,

ENCLOSURES.

In reply to your No 2037C dated 25th April 1889, I have the honor to report that when the transfers recently ordered have taken place the Establishment of Executive and Assistant Engineers in this Circle will be according to the sanctioned scale and the number of Upper subordinates (unless you send one in place of Mr. Dennehy) will be one less than sanctioned. The sanctioned Establishment is sufficient but barely so, as it admits of only one subordinate at most being employed on general duty or in place of men on leave. There are

G

now three absent from duty but this is probably an exceptional number.

2. I am obliged to ask you to send Upper Subordinates in place of Supervisor Mr. Dennehy and of any others who may be hereafter transferred for famine duty.

3. I have left out of consideration the proposed Sub-Division in Ramnad as when orders are issued for its formation the sanctioned scale of Establishment will I presume be increased by one Upper Subordinate.

I have the honor to be
Sir
Your most obedient servant
W. Hughes
Supdt. Engineer Madu.

1720

10

mlles. 4074

P. W. D. 6th CIRCLE.

From

The Superintending Engineer,
6th Circle.

To

The Chief Engineer
PWD.

No. 204 15

Dated 1st
Desp 3d } May 1889
Received 6

Enclosure. Nil

Upper Subordinates.

Reporting the necessity of requiring the ——

Compile
7.5.89
DW

1720

SUPERINTENDING ENGINEER'S OFFICE,
V Circle, Madras,
Chepâk, 5 June 1889.

No. 1544.

From Colonel W H Burton R.E.
SUPERINTENDING ENGINEER, V CIRCLE,

To

THE Chief Engineer
P.W. Department

Enclosures.

SIR,

With reference to your Memorandum No. 2037 C, dated 25 April 1889. I have the honor to state that the the Executive Engineers of the Presidency and North Arcot Divisions do not ask for any addition to the present Sanctioned Scale of Upper Subordinates for their Divisions. The Executive Engineer Chingleput Division asks for one Sub Overseer and the Executive Engineer South Arcot Division for

for one overseer, and three Sub overseers in addition to the present Sanctioned Scale of Upper Subordinates for their Divisions.

I have the honor to be
Sir
Your Most Obedt Servt

W H Hinton Col R.E.
Supdg: Engineer IV Circle

1720

P.W.C. No 5133

From

The Supdg Engineer
5th Circle

To

The Chief Engineer
P.W. Deptt

Dated 5th
Recd 6 } June 1889

Enclo.

No 1544.

Upper and Lower sub:ordinates — stating the number of — required for Chingleput and South Arcot Divisions over the sanctioned scale

Compile
6.6.89

1720

No 209/E.W.

Supg. Engineer's Office, IV Circle
Coimbatore 11th May 1889

From

Lt Col: A.C. Smith R.E.,
Superintending Engineer,
Fourth Circle.

To

The Chief Engineer,
P.W. Department.

Sir,

Adverting to your Circular memo dated 25th Ultimo, No 2037C I have the honor to report that the following additions to the sanctioned scale of upper subordinates are considered necessary in the different divisions in this Circle.

Coimbatore Division.	Two Sub Overseers.
Nilgiri Division.	One Overseer or Sub Overseer for that portion of the Vayitri Gudalur Road which lies between Vayitri & Choladi 22 miles.
West Coast Division.	One Upper Subordinate above

13

above the grade of Overseer is required for the South Canara Sub Division, this being within the sanctioned scale for the Division.

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

A L Smith Lt. Col. R.E.,
Superintending Engineer, IV circle.

S.D.S.

1720

P.W.C. No 4348

From
The Supg. Engineer
4th Circle

Dated 11
Rd 13 } May 1889

No 209
E.W.

Upper Subordinates
Reports the additional — required in the different divisions of this Circle

Compile
13.5.89

DW

No. 404 1720 2

Superintending Engineer's Office,
3rd Circle,
Bellary 18 May 1889.

From,
Col. H. Smalley R.E.
SUPERINTENDING ENGINEER,
IIIrd CIRCLE.

To,
THE Chief Engineer
Public Works Dept.
Madras

Sir,

Enclosures.

Your Memo No. 2037C 25th April 1889

I have the honour to report that I do not consider any more Upper Subordinates are required in this Circle beyond the sanctioned scale; but the sanctioned scale is not adhered to in the Kurnool Division at any rate, where we only have 9 upper subordinates against 11 sanctioned. Men have been ordered away from time to time and not replaced notwithstanding my applications. I am however prepared to accept Lower subordinates in their place.

2. I would suggest that the sanctioned scale be reconsidered. In this Circle there are alterations in it imperatively demanded especially

15

n the case of Bellary Division. That Division s composed of 2 large collectorates and the Cantonment of Bellary. There are many important works in it greatly scattered and it is physically impossible for one Executive Engr. to give his personal attention to every part of such a Division. Each collectorate ought to form a Division. Failing that, there ought to be an Assistant Engineer as Sub Divisional Offr. for Anantapur Collectorate. An Assistant Engineer is not wanted for Cuddapah Dn. and should be struck out and an additional upper subordinate substituted – My proposals are as tabulated, Vizt.

Bellary Dn. Present scale		Proposed scale	
Asst. Engineer	0	1	
Upper subordinates	6	5	
Lower Do.	3	3	
Cuddapah Dn.			
Assistant Engr.	1	0	
Upper subordinates	4	5.	
Lower Do.	2.	3	1 additional Lower subordinate would be of great use.

1720

Kurnool Dn. Present scale		Proposed scale	
Asst. Engr.	1.	1.	
Upper Sub.	11	9	2 Upper subordinates might be reduced by increasing Lower Sub.
Lower Do.	0*	3*	(2. temporary Lower subordinates.) 1 additional Lower subordinate would be of great use.

I have the honour to be
Sir
Your most obt. servant

A Smalley Col. RE
Supg. Engineer 3d Circle

From, PWC No 4596

The Superintending Engineer,
IIIrd Circle,
Bellary.

To,
The Chief Engineer
P.W.D.
Madras.

Dated 18 } May 1889.
Received 20 }

Enclosures.

No. 404

Subject.

Recommending that the proposed scale of Exe. staff of 3rd Circle may be sanctioned.

papers please

No. 206 K.S 1720

Superintending Engineer's Office,
II Circle,
Dated 4th May 1889.

From,
J. Hannan Esquire,
Superintending Engineer,
II Circle.

To,
The Chief Engineer,
Public Works Department,
Madras.

Sir,

With reference to your Circular memo. No. 2037 C. dated 25th April 1889, I have the honor to state that no upper subordinates in addition to the scale sanctioned in G.O. No. 913 W. of 25th March 1887, are required in this Circle.

I have the honor to be,
Sir,
Your most obedt. Servt.
J Hannan
Superintending Engineer,
II Circle.

JH
4.5.89

17

P.W.C. No. 4120

From,

The Superintending Engineer,

II Circle.

To,

The Chief Engineer

P.W. Dept.

Dated 4th May April }
Received 7.5.89 } 1889.

Enclosures.

No. 206 K.S.

SUBJECT.

Upper Subordinates-

No addition of-

Reporting ~~that~~-

is necessary in this Circle

Complete
un
7.5.89
DW

0/14/6-

No. 128 G.C.

1720

FROM,

Major D. McNeil Campbell R.E.

SUPERINTENDING ENGINEER

FIRST CIRCLE.

TO,

THE CHIEF ENGINEER

PUBLIC WORKS DEPARTMENT.

DOWLAISHWERAM, 4th June 1889

SIR;

With reference to your Circular Memo No. 2037 C dated 25-4-89, I have the honor to inform you that no additional Upper Subordinates are required in this Circle, provided that those recently posted to the Ganjam and Rushikulya Divisions have joined their respective Divisions, but 4 additional Sub Overseers are required for employment in the Divisions noted below:-

Ganjam — { 1 Sub Overseer of 1st Grade-
{ 1 —— Do —— of 2nd —Do——

Vizagapatam 1 —— Do —— of 1st —Do——

Godavari Eastern 1 —— Do —— of 3rd —Do——

I have the honor to be,
Sir,
Your most obedient St-

(Sd) D. McN. Campbell Major R.E.
Supg. Engineer 1st Circle

3/K

1720

iten

red

No. 2441 C d/21-5-89.
Memo No 2037C d/25-4.89
G.O. Nos 1583-84 W d/ 31-5.88

J

[illegible] 5245

FROM,

Major D Everard Campbell R.E.

SUPERINTENDING ENGINEER

FIRST CIRCLE.

TO,

THE CHIEF ENGINEER

PUBLIC WORKS DEPARTMENT.

DATED 4th
DESPATCHED 5th June 1889
RECEIVED 6

NO. 128 G.C.

ENCLOSURES

SUBJECT.

Upper Subordinat

Reporting the add
number of - requi
the I Circle

1720

Abstract of replies to Circular Memo: No. 2037C dated 25th April 1889, requesting Superintending Engineers to report whether any; and, if so what additions to the sanctioned scale of upper subordinates are considered necessary in the different Circles.

		Additional Estabt. considered necessary	
		Upper Subordinate	Lower Subordinate
Cir. 5245. I Circle.	No additional upper subordinates are required – but 4 additional ~~lower~~ sub overseers are required for the Ganjam (2) Vizag'tam (1) & Godavari Eastern (1) Divisions.	–	4.
Cir. 4120. II Circle.	No additional upper subordinates necessary.	-	-
Cir. 4596 III Circle.	Does "not consider any more U.S. are required beyond the sanctioned scale". Submits proposals for the redistribution of the staff in the Circle, and considers 4 additional lower subordinates necessary.	–	4.
Cir. 4348 IV Circle	Considers an increase or 1 overseer and 2 sub overseers or 3 sub-overseers necessary	–	3
Cir. 5133. V Circle.	addition of 1 overseer & 4 sub overseers required	1	4.
Cir. 4074 VI Circle.	Sanctioned establishment sufficient, but barely so, as it admits of only one subordinate at most being employed on general duty or in place of man on leave.	–	–
Cir. Periyar Project works.	Only addition likely to be required, to the present subordinate estabt. during the current official year is one overseer for the No. I Division.	–	–
		1	15.

No. 2880C d/ 20th June 1889

C/

1720

From the Supg: Engr I Circle No 128 G.C dated 4th June 1889

__Do__________II Circle No. 206 K.S dated 4th May 1889

__Do __________III Circle No. 404 dated 18th May 1889.

__Do __________IV Circle No. 209 E.W. dated 11th May 1889

__Do __________V Circle No. 1544 dated 5th June 1889

__Do__________VI Circle No. 204 T.J dated 1st May 1889

__Do ________ Periyar Project No. 741 P.R dated 4th May 1889.

The replies received from Supg: Engineers to memo No 2037C dated 25th April 1889 show that in all but one circle the sanctioned scale of Upper Subordinates is considered sufficient but in four Circles additional lower Subordinates are asked for.

2. There is no probability of the extra overseers required in

in the II Circle being available but every effort will be made to bring up to sanctioned scale as soon as possible the existing Upper Subordinate Establishment of Circles that are at present short handed.

3. Applications in the prescribed form for the employment of such lower subordinates as may be considered absolutely necessary accompanied by full explanation of the necessity in each case may be submitted for orders of Government.

MCB
13.6.89

Rw.
15.6.89

9B.
13/6/9.

A.G. 73/6.0

Memo

F.C.
1720W 1-7-89

No. 2880C d/ 20th June 1889

To: Supg. Engineers

Public Works Department.

1720

B

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the

Read the following

attached to memo No. 2880C 20-6-89

Letter from the S. E. III Circle, H.Q. No. 402 d 18th May 1889.

The redistribution of the Engineer and Upper Subordinate Establishment the Bellary and Cuddapah ivisions proposed by the perintending Engineer, is nctioned.

Arrangements will be ade to post an Assistant ineer to the Bellary Division soon as practicable.

In existing circumstances the Government would prefer to make no change in the sanctioned scale of permanent Subordinate Establishment Kurnool Division.

MCB
21.6.89

Rw.
22.6.89

D 2/7

To
the S. E. III Circle.
" Examr. P. W. Accts.

23

2880. c d/ 20-6-89
2137 c d/ 25-4-89
1583/1584 w d/ 31-5-88

(23)

OLS 73/6 / m 26/6

Div / 11 / 8