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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

P W DEPARTMENT

G.O. No. 1146-47 W Press.
B.P. No. Mis.

Dated 26. 4. 1887 ~~197~~.

Not to be folded or roughly handled

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GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following papers:—

From G. H. D. WALKER, Esq., Officiating Under Secretary to the Government of India, Public Works Department (General), to the Governments of Madras, Bombay, Bengal, North-Western Provinces and Oudh, and Punjab; the Chief Commissioners, Central Provinces, Burma and Assam; the Resident at Hyderabad; the Agents to the Governor-General for Central India and Rajputana; dated Fort William, 5th February 1887, Nos. 283—293 G.

With reference to the call made in this office Nos. 107—17 G., and Nos. 131—39 G., dated respectively the 17th and 18th January 1887, for revised estimates of Engineer and Upper Subordinate establishments suited to present circumstances and to the grants at your disposal, I am directed to request that you will carefully estimate the work on which the establishment is expected to be employed with a reasonable margin for contingencies and frame your proposals accordingly. The comparison of establishment with work should be made in the manner described in the following paragraphs, and the result forwarded concurrently with your revised estimate of establishment to the Government of India.

2. It is observed that the strength of the Engineer and Upper Subordinate establishments, on which depends the number of divisions, mainly determines the cost of the establishment head "Construction" and the corresponding head "Executive" in the case of Irrigation works, which is the most costly item of establishment and the only one capable of much variation. As soon, therefore, as their strength is determined, it should be an easy matter to work out the total cost under each of the heads—

Direction,
Accounts,
Construction or Executive,

with the additional heads in the case of Irrigation establishment. It will be well that the complete establishment estimates, after revision, should be given in the same detail as in the form which accompanies the several budget estimates, and submitted with your reply.

3. Wherever the establishments for Buildings and Roads and Irrigation are separate, separate estimates for each must be prepared.

4. The work that is to be done by each establishment, estimated as above, should then be stated as follows, Buildings and Roads and Irrigation being separately worked out:—

Buildings and Roads revenue under the control of the establishment.
Irrigation revenue (direct only).
Repairs.
Original works.

When the above heads of Revenue and Expenditure are included in several budget estimates, all worked by the same establishment, the several items under each head from the several budgets must be separately shown.

5. In regard to Local Fund works the following instructions are to be observed:—

Where the Provincial establishment carries out Local and Provincial works indiscriminately as in the Provinces of Assam and Burma, the local works may be

included in the calculations of paragraph 4, but it should be stated what is the cost of any minor establishments which are not included in the estimate framed as in paragraph 2.

Where, as in the North-Western Provinces and Oudh, the Public Works establishment is, to a considerable extent, lent to the Local Boards, and its cost included in the Local Fund budget, no Local Fund outlay should be included in estimating the normal charge, nor, on the other hand, must such establishment be included in the estimate of paragraph 2, but in working out the strength of the grades, which are to be distributed between Provincial and Local, the men of the permanent establishment provided for Local may be included.

Where, as in Bombay, the Punjab, and Central Provinces, a percentage is charged for works done for the Local Boards by the Public Works establishment, and at the same time Local establishments exist, the amount may be included in the figures of outlay, paragraph 4, and the percentage allowed by local usage added in the calculations of paragraph 6.

Where, as in Madras and Bengal, the Local Fund establishments and works are wholly separate from the Provincial, no account whatever should be taken, either of the charge for Local works or establishment.

6. The normal cost of establishment should then be worked out from the sums obtained against the several heads of paragraph 4 by charging—

5 per cent. on Buildings and Roads revenue,
10 „ on *Irrigation revenue*,
23 „ on Works and Repairs,

and the total cost so obtained, as the normal cost of establishment for works, must be compared with the actual cost of the estimates framed, as in paragraph 2. If the latter is greatly in excess of the normal cost, the cause of the excess must be explained.

7. I am to add that, in framing their estimates of establishment now asked for, Local Governments should not be in any way influenced by considerations of the present strength. What is required is an estimate of establishment adapted to carry out economically a certain outlay on works under present rules and conditions, but, if possible, on a reduced strength. Whatever establishment under the proposals now to be made becomes supernumerary should be reported in submitting the estimate, and can be dealt with separately after the proposals, now called for, have been approved.

Telegram to the Government of India, dated 22nd February 1887, No. 529 W.

ORDER—dated 26th April 1887, No. 1146 W., Public Works.

Ordered that the Government of India be addressed.

(Here enter No. 1147 W., dated 26th April 1887.)

(True Extract.)

Colonel, R.E.,
Secretary to Govt., P.W.D.

Exd. P. L. Pereira.
Spare Copies

GENERAL.
ESTABLISHMENT.

Govt. of {1887} Madras.

PUBLIC WORKS.

Dated April, 26th.

Recd. *Encl.*

G.O., 26th April 1887, No. 1146 W.

APRIL.

Madras Public Works Establishment

Ordered that the Government of India be addressed in reply to their call for revised estimates of the — framed with reference to a comparison of Establishment with Work.

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PUBLIC WORKS DEPARTMENT.

General.
Establishment.

LETTER—from

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

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,
PUBLIC WORKS DEPARTMENT.

SIR,

With reference to my telegram of the 22nd February 1887, I am now directed to reply to your letter, Nos. 283—293 G., dated 5th idem.

2. The following statements are submitted for the information of the Government of India :—

(*a*) Estimate in budget form of the cost of the establishment of the Madras Public Works Department working up to a total of Rs. 21,09,608.

(*b*) Statement dividing the above total cost under the three heads Direction, Accounts and Construction.

(*c*) Statement showing the grant for Works and Repairs under the several service heads, the Buildings and Roads, and Irrigation revenue, and the normal cost of establishment obtained by charging—

5 per cent. on Buildings and Roads revenue.
10 per cent. on Direct Irrigation revenue.
6 per cent. on Indirect Irrigation revenue.
23 per cent. on Works and Repairs.

(*d*) Statement showing in detail the Public Works Circles and Divisions of this Presidency and the distribution therein of the Executive establishment of the Department.

3. In paragraphs 4 and 6 of your letter under reply, no mention is made of contribution to Establishment on account of Indirect revenue, and this is no doubt because your letter is a circular addressed to all Local Governments and Administrations; but this Government do not suppose that, so far as this Presidency is concerned, it is intended to exclude this important item. That the circumstances of this Presidency with respect to the system of collecting Irrigation revenue are widely different from those of other Provinces has already been prominently brought to the notice of, and has been admitted by, the Government of India; and in Colonel Trevor's letter, No. 191 A.G., dated 20th February 1882, a charge of 6 per cent. on the gross Indirect revenue due on Productive Irrigation and Navigation Works was allowed as a grant-in-aid from Imperial funds towards the cost of Provincial establishment. It was then admitted that this concession was made to afford substantial relief to Provincial revenues, and to place Madras in as favorable a position as other Provinces. The direct Irrigation revenue realised by the Public Works Department in this Presidency is so trifling in amount, that a contribution of 10 per cent. thereon, without any contribution on account of indirect revenue, would be scarcely worth taking credit for. In working

out the cost of establishment as required by paragraph 6 of your letter under reply, credit has therefore been taken for 6 per cent. on indirect Irrigation revenue.

4. It will be seen from statement (C) that the cost of establishment thus worked out amounts to Rs. 16,95,868, whereas the estimated cost of the existing establishment amounts to Rs. 21,09,608.* The difference is Rs. 4,13,740, and, under paragraph 6 of your letter, an explanation of this excess is required. In your paragraph 7 it is remarked that in framing their estimates of establishments now asked for, Local Governments should not be in any way influenced by considerations of present strength. That this Government have not been influenced by such considerations will be apparent from a comparison between the budget estimate for establishment for the year 1886-87 and that for 1887-88. While the former amounted to Rs. 24,59,156, the latter amounts to Rs. 21,09,608, and the large reduction made at the end of the year 1886-87 will show that this Government have loyally responded to the requirements of the Government of India in the matter of effecting economy in establishment. It is needless to remark that so large a reduction could not have been made without considerable inconvenience and dislocation of working arrangements, and His Excellency the Governor in Council is satisfied that further reduction is impossible. The estimate of establishment now submitted, Rs. 21,09,608, is approximate to the amount, Rs. 20,64,000, sanctioned by the Government of India in your office letter, No. 1250 G., dated 23rd September 1881, as the normal cost of establishment for Madras. The peculiar circumstances and great size of this Presidency, the scattered nature of its works, and its needs with respect to Public Works establishment have already been exhaustively explained to the Government of India in the correspondence ending with your letter, No. 633 G., dated 26th May 1884, and it seems needless now to recapitulate arguments which have already been practically accepted by the Government of India. It will be sufficient apparently to solicit the attention of that Government to Colonel Sankey's memorandum printed as appendix E to this office letter, No. 2696 W., dated 16th October 1882, in which the impossibility of regulating the cost of establishment by a hard-and-fast system of percentages on Revenue and Expenditure, or of applying such percentage charges as a test of economical and efficient management, was clearly demonstrated. The note submitted to the Government of India by Colonel Brownlow after inquiry on the spot into the needs of this Presidency with respect to Public Works establishment, will further prove that the cost of the Public Works establishment considered necessary in Madras is not unreasonable.

5. The budget grants under all heads for Works and Repairs in 1886-87 amounted to Rs. 63,77,732, while those for 1887-88 aggregate Rs. 56,14,855. While therefore the Works grant for 1887-88 is less than that for 1886-87 by Rs. 7,62,877, the estimated cost of Establishment for the present year is less than that for 1886-87 by Rs. 3,49,548. The estimate for Establishment has therefore been reduced in a much greater ratio than the estimate for Works.

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,
26th April 1887.

* This sum includes a lump sum provision of Rs. 82,542 for temporary establishment, from which the pay of subordinate Office and Account establishments employed in Court of Wards' estates, &c., will be met.

Exd. P. L. Pereira.
Spare Copies

GENERAL.
ESTABLISHMENT.

Govt. of [1887] Madras.

PUBLIC WORKS.

Dated April, 26th.

Read. *Encl.*

G.O., 26th April 1887, No. 1147 W.

APRIL.

Madras Public Works Establishment

Revised estimates of the —, submitted to the Government of India.

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APPENDIX A.

PROVINCIAL SERVICES. **MADRAS.**
PUBLIC WORKS BUDGET-ESTIMATE.
GOVERNMENT OF MADRAS.

PART III.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT UNDER PROVINCIAL SERVICES IN THE MADRAS PRESIDENCY FOR 1887-88.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		EXECUTIVE BRANCH.	Rs.	Rs.	Rs.	Rs.	Rs.	
		Engineer Establishment.						
		Chief Engineers.						
1	1	Chief Engineer, 1st Class, and Secretary to Government, Public Works Department.	2,500	2,500				
1	1	Chief Engineer, 2nd Class, and Joint Secretary to Government, Irrigation Branch.	2,000	2,000				
		Military pay and allowances	...	445				
2	2	Total, Chief Engineers ...	...	4,945	59,340	...	59,832	
		Superintending Engineers.						
2	2	Superintending Engineers, 1st Class.	1,600	3,200				
2	2	Superintending Engineers, 2nd Class.	1,350	2,700				
2	2	Superintending Engineers, 3rd Class.	1,100	2,200				
		Military pay and allowances	...	1,209				
6	6	Total, Superintending Engineers.	...	9,309	1,11,708	...	1,23,672	
		Executive Engineers.						
11	11	Executive Engineers, 1st Grade.	950	10,450				
11	11	Executive Engineers, 2nd Grade.	800	8,800				
13	13	Executive Engineers, 3rd Grade.	700	9,100				
6	6	Executive Engineers, 4th Grade.	600	3,600				
		Military pay and allowances.	...	2,518				
41	41	Total, Executive Engineers.	...	34,468	4,13,616	...	4,51,380	
		Carried over ...	...	...	...	...	...	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		Brought forward ...	Rs. ...	Rs. ...	Rs. ...	Rs. ...	Rs. ...	
		EXECUTIVE BRANCH —*cont.*						
		Assistant Engineers.						
32	32	Assistant Engineers, 1st Grade.	500	16,000				
8	8	Assistant Engineers, 2nd and 3rd Grades.	250 & 350	2,700				
		Military pay and allowances.	...	190				
40	40	Total, Assistant Engineers.	...	18,890	2,26,680	...	2,25,600	
91	91	Total, Engineer Establishment.	...	...	8,11,344	...	8,60,484	
		Deduct— On account of absentees ...	80,000	...	...	(a)80,000	... 50,000	(a) Increased by Rs. 30,000.
		Net Total, Engineer Establishment.	...	...	...	7,31,344	8,10,484	
		Upper Subordinate Establishment.						
		Sub-Engineers.						
9	9	Sub-Engineers, 1st Grade...	400	3,600				
9	9	Do. 2nd „ ...	300	2,700				
17	17	Do. 3rd „ ...	250	4,250				
		Military pay and allowances including additional pay sanctioned for Messrs. Ottmann and Baker.	...	535				
35	35	Total, Sub-Engineers ...	...	11,085	1,33,020	...	1,32,780	
		Supervisors.						
22	22	Supervisors, 1st Grade ...	200	4,400				
36	36	Do. 2nd „ ...	150	5,400				
		Military pay and allowances.	...	90				
58	58	Total, Supervisors ...	...	9,890	1,18,680	...	1,20,600	
		Overseers.						
35	39	Overseers, 1st Grade ...	100	3,900				
28	28	Do. 2nd „ ...	80	2,240				
29	25	Do. 3rd „ ...	60	1,500				
		Military pay and allowances.	...	850				
92	92	Total, Overseers ...	...	8,290	99,480	..	96,960	
		Carried over ...	...	...	...	...	...	

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GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		Brought forward ...	Rs. ...	Rs. ...	Rs. ...	Rs. ...	Rs. ...	
		EXECUTIVE BRANCH —*cont.*						
		Upper Subordinate Establishment—*cont.*						
		Apprentices.						
2	3	Apprentice Overseers, 1st Grade.	51	153				
		Additional remuneration for two Apprentice Instructors.	50	100				
		Total, Apprentices ...	...	253	3,036	...	2,424	
		Sub-divisional allowance for 20 Upper Subordinates.	30	600	7,200	...	7,200	
187	188	Total, Upper Subordinate Establishment.	...	...	...	3,61,416	3,59,964 — 2,400	
							3,57,564	
		Lower Subordinate Establishment.						
12	13	Sub-Overseers, 1st Grade ...	50	650				
9	9	Do. 2nd „ ...	35	315				
8	8	Do. 3rd „ ...	25	200				
29	30	Total, Lower Subordinate Establishment.	...	1,165	13,980	13,980	13,380	
		Petty Establishment.						
		Store Establishment.						
1	1	Storekeeper	100	100				
1	1	Do.	50	50				
4	4	Storekeepers	30	120				
9	9	Do.	25	225				
6	7	Do.	20	140				
6	4	Do.	15	60				
1	1	Store Writer	25	25				
7	7	Store Watchers	7	49				
35	34	Total, Store Establishment.	...	769	9,228	...	9,348	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		EXECUTIVE BRANCH —*cont.*	Rs.	Rs.	Rs.	Rs.	Rs.	
		Workshop Establishment, (Presidency and Dowlaish-weram).						
...	1	Foreman, Mechanics	130	130				
...	1	Do. Carpenter	45	45				
...	1	Fitter	45	45				
...	1	Foundry	40	40				
1	1	Smith	40	40				
1	1	Engraver	30	30				
2	2	Gate-keeper	10	10				
2	2	Attenders	10	20				
		Boys	4	8				
6	11	Total, Workshop Petty Establishment.	...	368	4,416	...	816	
		Medical Establishment.						
1	...	Hospital Assistant	60	...				
2	2	Do. Assistants ...	55	110				
1	...	Do. Assistant ...	40	...				
2	2	Do. Assistants ...	35	70				
2	4	Do. do. ...	25	100				
		Charge allowance 2 at 25, 2 at 15 and 2 at 10.	...	100				
6	6	Hospital servants 1 at 7, 2 at 6, 2 at 5 and 1 at 4.	...	33				
14	14	Total, Medical Establishment.	...	413	4,956	...	5,496	
		Telegraph Establishment.						
1	1	Signaller	30	30				
2	2	Signallers	25	50				
4	4	Do.	20	80				
8	8	Do.	15	120				
12	12	Telegraph peons	6	72				
27	27	Total, Telegraph Establishment.	...	352	4,224	...	4,224	

PROVINCIAL SERVICES.
PUBLIC WORKS BUDGET-ESTIMATE.

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		EXECUTIVE BRANCH —*cont.*	Rs.	Rs.	Rs.	Rs.	Rs.	
		Lascars, Sweepers, &c.						
			6	3,000				
500	500	Lascars	2 at 5 & 3 at 4	22				
5	5	Sweepers	35	...				
1	...	Keeper of the Chepâk Park.	...	3,022	36,264	...	36,684	
506	505	Total, Lascars, &c...						
		IRRIGATION CONSERVANCY ESTABLISHMENT.						
		Godávari Delta System.						
			150	150				
1	1	Anicut Superintendent ...		18				
1	1	Do. Maistry	18	15				
1	1	Do. do.	15	12				
1	1	Do. do.	12	45				
1	1	Clerks	15	10				
3	3	Shroff	10	240				
1	1	Delta Superintendents ...	80	140				
3	3	Do. do. ...	70	60				
2	2	Do. Superintendent ...	60	60				
1	1	Do. Superintendents ...	55	495				
9	9	Do. do. ...	40	480				
12	12	Superintendents	8	40				
5	5	Peon	6	6				
1	1	Peons	5	15				
3	3	Lascars	6	234				
39	39	Do.	5	375				
75	75							
158	158	Total, Water Regulation Establishment, Godávari Delta System.	...	2,385				
		Navigation Establishment.						
			75	75				
1	1	Boat Superintendent ...	15	30				
2	2	Lock Superintendents ...	12	216				
16	18	Do. do. ...	10	200				
20	20	Do. do. ...	9	9				
1	1	Do. Superintendent ...	8	88				
11	11	Do. Superintendents ...	6	858				
137	143	Do. do. ...	5	395				
77	79	Do. do. ...						
265	275	Total, Navigation Establishment, Godávari Delta System.	...	1,871	...	...	...	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		EXECUTIVE BRANCH —*cont.*						
		Irrigation Conservancy Establishmet—*cont.*						
		Kistna Delta System.						
		Water Regulation Establishment.						
1	1	Anicut Superintendent ...	120	120				
1	1	Assistant do. ...	40	40				
1	1	Clerk, 5th Class, 1st Grade.	15—20	17½				
1	1	Irrigation Clerk, 5th Class, 1st Grade.	15—20	17½				
3	3	Do. do. 2nd Grade.	10—15	12½				
5	5	Delta Superintendents ...	70	210				
6	6	Do. ...	55	275				
18	18	Do. ...	40	240				
18	18	Lascars	8	144				
30	30	Do.	7	126				
27	27	Do.	6	180				
112	112	Do.	5	135				
		Total, Water Regulation Establishment, Kistna District.	...	1517½				
		Navigation Establishment.						
3	3	Lock Superintendents ...	15	45				
8	8	Do. ...	12	96				
12	12	Do. ...	10	120				
15	15	Do. ...	8	120				
17	17	Do. ...	7	119				
24	24	Do. ...	6	144				
27	27	Do. ...	5	135				
2	2	Traffic Clerks	12	24				
1	1	Boat Clerk, 5th Class, 1st Grade.	15—20	17½				
109	109	Total, Navigation Establishment, Kistna Delta System.	...	820½				
		Pennér Anicut System.						
		Water Regulation Establishment.						
1	1	Delta Superintendent						
1	1	Anicut do. ...	70	70				
1	1	Clerk	60	60				
		Carried over ...	15	15				

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GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Brought forward ...	...	...	...	...	...	
		EXECUTIVE BRANCH —*cont.*						
		Irrigation Conservancy Establishment—*cont.*						
		Pennér Anicut System—cont.						
		Water Regulation Establishment—cont.						
1	1	Clerk	10	10				
1	1	Lascar	7	7				
17	17	Lascars	6	102				
4	4	Do.	5	20				
26	26	Total, Water Regulation Establishment, Pennér Anicut System.	...	284				
		Cauvery Delta System.						
...	1	Superintendent	75	75				
1	1	Do.	50	50				
1	1	Do.	30	30				
1	1	Do.	25	25				
...	1	Assistant Superintendent...	25	25				
3	3	Superintendents	20	60				
9	9	Do.	15	135				
1	...	Superintendent	12	...				
3	4	Superintendents	10	40				
1	1	Superintendent	8	8				
...	3	Lascars	8	24				
8	17	Do.	7	119				
31	39	Do.	6	234				
83	89	Do.	5	445				
...	1	Sweeper	5	5				
31	31	Lascars	4	124				
173	202	Total, Water Regulation Establishment, Cauvery Delta System.	...	1,399				
		Navigation Establishment.						
1	1	Lascar	7	7				
1	1	Do.	5	5				
2	2	Total, Navigation Establishment, Cauvery Delta System.	...	12				

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		EXECUTIVE BRANCH —*cont.*	Rs.	Rs.	Rs.	Rs.	Rs.	
		Irrigation Conservancy Establishment —*cont.*						
		Srivaikuntham Anicut System.						
		Water Regulation Establishment.						
2	2	Superintendents	30	60				
1	1	Superintendent	12	12				
21	21	Lascars	5	105				
24	24	Total, Water Regulation Establishment, Srivaikuntham Anicut System.	...	177				
		Chembrambakam Tank.						
		Water Regulation Establishment.						
1	1	Superintendent	12	12				
1	1	Do.	10½	10½				
2	2	Lascars	6	12				
5	5	Do.	5	25				
9	9	Total, Water Regulation Establishment, Chembrambakam Tank.	...	59½				
		Madras Water-supply and Irrigation Project.						
1	1	Superintendent						
1	1	Do.	25	25				
4	4	Lascars	15	15				
2	2	Do.	7	28				
4	4	Do.	6	12				
			5	20				
12	12	Total, Madras Water-supply and Irrigation Project.	...	100				
		Pálár Anicut System.						
		Water Regulation Establishment, Chingleput District.						
1	1	Maistry						
2	2	Lascars	20	20				
12	12	Do.	6	12				
			4	48				
		Carried over ...	...	80				

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GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		Brought forward ...	Rs. ...	Rs. 80	Rs. ...	Rs. ...	Rs. ...	
		EXECUTIVE BRANCH —*cont.*						
		Irrigation Conservancy Establishment—*cont.*						
		North Arcot District.						
1	1	Superintendent	25	25				
1	1	Do.	15	15				
3	3	Superintendents	12	36				
20	20	Do.	5	100				
			...	176				
40	40	Total, Water Regulation Establishment, Pálár Anicut System.	...	256				
		Pelandorai Anicut System.						
		Water Regulation Establishment.						
1	1	Superintendent	30	30				
1	1	Lascar	8	8				
2	2	Lascars	6	12				
7	7	Do.	5	35				
11	11	Total, Water Regulation Establishment, Pelandorai Anicut System.	...	85				
		Irrigation and Navigation Works for which neither Capital nor Revenue Accounts are kept.						
		Water Regulation Establishment, Ganjam District.						
3	4	Lascars	7	28				
...	1	Lascar	6	6				
14	10	Lascars	4	40				
1	1	Lascar	3½	3½				
18	16	Total, Water Regulation Establishment, Ganjam District.	...	77½				

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		EXECUTIVE BRANCH —*cont.*						
		Irrigation and Navigation Works for which neither Capital nor Revenue Accounts are kept—*cont.*						
		Water Regulation Establishment—cont.						
		North Arcot District.						
1	1	Superintendent	27	27				
2	2	Superintendents	20	40				
1	1	Superintendent	12	12				
5	5	Do.	10	10				
15	15	Lascars	6	30				
		Do.	5	75				
25	25	Total, Water Regulation Establishment, North Arcot District.	...	194				
		Coimbatore District.						
1	1	Superintendent	5	5				
4	4	Lascars	2½	10				
5	5	Total, Water Regulation Establishment, Coimbatore District.	...	15				
		Malabar District.						
1	1	Watchman	4	4				
1	1	Do.	3	3				
		Additional amount sanctioned	...	11½				
2	2	Total, Water Regulation Establishment, Malabar District.	...	18½				
		Tanjore District.						
1	1	Superintendent	50	50				
2	2	Lascars	6	12				
6	6	Do.	5	30				
9	9	Total, Water Regulation Establishment, Tanjore District.	...	92				

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GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		EXECUTIVE BRANCH —*cont.*						
		Irrigation and Navigation Works for which neither Capital nor Revenue Accounts are kept—*cont.*						
		Water Regulation Establishment—cont.						
		Vizagapatam District.						
3	3	Superintendents	12	36				
13	13	Lascars	5	65				
16	16	Total, Water Regulation Establishment, Vizagapatam District.	...	101				
		Godávari District.						
1	1	Lascar	9	9				
1	1	Do.	7	7				
2	2	Total, Water Regulation Establishment, Godávari District.	...	16				
		Chingleput District.						
1	1	Superintendent	10½	10½				
1	1	Lascar	6	6				
1	1	Do.	5	5				
3	3	Total, Water Regulation Establishment, Chingleput District.	...	21½				
		South Arcot District.						
1	1	Superintendent	40	40				
2	2	Superintendents	35	70				
1	1	Superintendent	25	25				
2	2	Superintendents	20	40				
10	10	Lascars	8	80				
9	9	Do.	6	54				
32	32	Do.	5	160				
57	57	Total, Water Regulation Establishment, South Arcot District.	...	469				

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		EXECUTIVE BRANCH —*cont.*						
		Irrigation and Navigation Works for which neither Capital nor Revenue Accounts are kept—*cont.*						
		Water Regulation Establishment—cont.						
		North Arcot District.						
1	1	Superintendent						
2	2	Superintendents	27	27				
1	1	Superintendent	20	40				
1	1	Do.	12	12				
5	5	Lascars	10	10				
15	15	Do.	6	30				
			5	75				
25	25	Total, Water Regulation Establishment, North Arcot District.	...	194				
		Coimbatore District.						
1	1	Superintendent	5	5				
4	4	Lascars	2½	10				
5	5	Total, Water Regulation Establishment, Coimbatore District.	...	15				
		Malabar District.						
1	1	Watchman						
1	1	Do.	4	4				
		Additional amount sanctioned	3	3				
			...	11½				
2	2	Total, Water Regulation Establishment, Malabar District.	...	18½				
		Tanjore District.						
1	1	Superintendent						
2	2	Lascars	50	50				
6	6	Do.	6	12				
			5	30				
9	9	Total, Water Regulation Establishment, Tanjore District.	...	92				

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GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		EXECUTIVE BRANCH —*cont.*						
		Irrigation and Navigation Works for which neither Capital nor Revenue Accounts are kept—*cont.*						
		Water Regulation Establishment—cont.						
		Vizagapatam District.						
3	3	Superintendents	12	36				
13	13	Lascars	5	65				
16	16	Total, Water Regulation Establishment, Vizagapatam District.	...	101				
		Godávari District.						
1	1	Lascar	9	9				
1	1	Do.	7	7				
2	2	Total, Water Regulation Establishment, Godávari District.	...	16				
		Chingleput District.						
1	1	Superintendent	10½	10½				
1	1	Lascar	6	6				
1	1	Do.	5	5				
3	3	Total, Water Regulation Establishment, Chingleput District.	...	21½				
		South Arcot District.						
1	1	Superintendent	40	40				
2	2	Superintendents	35	70				
1	1	Superintendent	25	25				
2	2	Superintendents	20	40				
10	10	Lascars	8	80				
9	9	Do.	6	54				
32	32	Do.	5	160				
57	57	Total, Water Regulation Establishment, South Arcot District.	...	469				

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		EXECUTIVE BRANCH —*cont.*						
		Irrigation and Navigation Works for which neither Capital nor Revenue Accounts are kept—*cont.*						
		Water Regulation Establishment—cont.						
		Trichinopoly District.						
1	1	Superintendent	15	15				
1	1	Do.	12	12				
3	2	Superintendents	10	20				
1	1	Lascar	6	6				
5	5	Lascars	5	25				
18	18	Do.	4	72				
4	4	Do.	3	12				
32	32	Total, Water Regulation Establishment, Trichinopoly District.	...	162				
		Madura District.						
4	4	Lascars	4	16				
4	4	Total, Water Regulation Establishment, Madura District.	...	16				
		Tinnevelly District.						
1	1	Superintendent ...	45	45				
2	2	Superintendents	35	70				
4	4	Do.	30	120				
8	8	Lascars	8	64				
24	24	Do.	6	144				
25	25	Do.	5	125				
64	64	Total, Water Regulation Establishment, Tinnevelly District.	...	568				
		Navigation Establishment.						
		South Arcot District.						
1	1	Superintendent	15	15				
1	1	Do.	10	10				
		Carried over ...	...	...				

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GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		Brought forward ...	Rs. ...	Rs. ...	Rs. ...	Rs. ...	Rs. ...	
		EXECUTIVE BRANCH —*cont.*						
		Navigation Establishment—*cont.*						
		South Arcot District—cont.						
1	1	Lascar	8	8				
7	7	Lascars	5	35				
10	10	Total, Navigation Establishment, South Arcot District.	...	68				
		Agricultural Works, River Conservancy Establishment.						
		Godávari District.						
2	2	Superintendents	15	30				
8	8	Lascars	6	48				
10	10	Total, River Conservancy Establishment, Godávari District.	...	78				
		South Arcot District.						
1	1	Sluice-keeper	8	8				
3	3	Lascars	8	24				
6	6	Do.	5	30				
10	10	Total, River Conservancy Establishment, South Arcot District.	...	62				
		Trichinopoly District.						
2	2	Lascars	7	14				
20	20	Do.	4	80				
4	4	Do.	3	12				
10	10	Do.	2½	25				
36	36	Total, River Conservancy Establishment, Trichinopoly District.	...	131				

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		EXECUTIVE BRANCH —*cont.*	Rs.	Rs.	Rs.	Rs.	Rs.	
		Agricultural Works, River Conservancy Establishment—*cont.*						
		Tinnevelly District.						
1	1	Lascar	7	7				
4	4	Lascars	2	8				
5	5	Total, River Conservancy Establishment, Tinnevelly District.	...	15				
		Conservancy Establishment, Kurnool Canal.						
3	3	Irrigation Superintendents.	65,55&45	165				
4	4	Anicut do.	1 at 25, 1 at 20, 2 at 15	75				
10	10	Head Lascars	8	80				
15	15	Do.	7	105				
17	17	Lascars	6	102				
13	13	Do.	5	65				
3	3	Lascars for three Irrigation Superintendents.	6	18				
65	65	Total, Irrigation, Kurnool Canal.	...	610				
		Navigation Establishment.						
7	7	Lock Superintendents	12	84				
15	15	Do. ...	10	150				
20	20	Do. ...	8	160				
42	42	Total, Navigation Establishment, Kurnool Canal.	...	394				
107	107	Total, Irrigation and Navigation Establishment, Kurnool Canal.	...	1,004				
		Conservancy Establishment.						
		Sangam Project.						
1	...	Anicut Superintendent	60—80	...				
...	1	Do. do. ...	60	60				
...	1	Delta do. ...	60	60				
1	1	Channel do. ...	40	40				
		Carried over ...	...	...	...	...	...	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		Brought forward ...	Rs. ...	Rs. ...	Rs. ...	Rs. ...	Rs. ...	
		EXECUTIVE BRANCH —*cont.*						
		Conservancy Establishment—*cont.*						
		Sangam Project—cont.						
1	...	Channel Superintendent ...	30	...				
...	1	Do. do. ...	25	25				
1	...	Tank do. ...	40—60	...				
1	...	Clerk	15	...				
...	2	Clerks, 5th Class, 1st Grade.	15—20	35				
...	2	Do. 5th „ 2nd „	10—15	25				
...	1	Tank Superintendent ...	15	15				
4	2	Lascars	8	16				
4	5	Do.	7	35				
16	20	Do.	6	120				
29	36	Total, Conservancy Establishment, Sangam Project.	...	431				
		Grand Total, Conservancy Establishment.	...	12,456	1,49,472	...	1,44,612	
		Total, Petty Establishment.	...	...	2,08,560	2,08,560	2,01,180	
		Office Establishment.						
		For Chief Engineer and Secretary to Government, Public Works Department.						
1	1	Chief Assistant	600	600				
1	1	Second do.	300	300				
2	2	Clerks, 1st Class, 3rd Grade.	200—250	450				
1	1	Clerk, 2nd „ 1st „	160—200	180				
1	1	Do. 2nd „ 2nd „	120—160	140				
1	1	Do. 2nd „ 3rd „	100—120	110				
4	4	Clerks, 3rd „ 2nd „	60—80	280				
5	5	Do. 3rd „ 3rd „	50—60	275				
3	3	Do. 4th „ 1st „	40—50	135				
3	3	Do. 4th „ 2nd „	30—40	105				
3	3	Do. 4th „ 3rd „	20—30	75				
1	1	Draftsman, Special ...	200—250	225				
1	1	Do. 1st Class ...	50—70	60				
3	3	Attenders	15,13&10	38				
1	1	Muchi	14	14				
1	1	Do.	12	12				
		Carried over ...	...	...	...	...	...	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		Brought forward ...	Rs. ...	Rs. ...	Rs. ...	Rs. ...	Rs. ...	
		EXECUTIVE BRANCH —*cont.*						
		Office Establishment —*cont.*						
		For Chief Engineer and Secretary to Government, Public Works Department—cont.						
1	1	Press Messenger	10	10				
1	1	Duffadar	12	12				
1	1	Head Peon	10	10				
5	5	Peons, 1st Class	8	40				
2	2	Do. 2nd „	7	14				
42	42	Total, Public Works Secretariat Office Establishment.	...	3,085	37,020	...	37,020	
		For Chief Engineer and Joint Secretary to Government, Irrigation Branch.						
2	2	Clerks, 1st Class, 3rd Grade.	200—250	450				
1	1	Clerk, 2nd „ 3rd „ ...	100—120	110				
2	2	Clerks, 3rd „ 1st „ ...	80—100	180				
2	2	Do. 3rd „ 2nd „ ...	60— 80	140				
1	1	Clerk, 3rd „ 3rd „ ...	50— 60	55				
3	3	Clerks, 4th „ 1st „ ...	40— 50	135				
3	3	Do. 4th „ 2nd „ ...	30— 40	105				
1	1	Clerk, 4th „ 3rd „ ...	20— 30	25				
1	1	Draftsman, 1st Class ...	50— 70	60				
2	2	Draftsmen, 2nd „ ...	35— 50	85				
2	2	Do. 3rd „ ...	20— 30	50				
1	1	Reference Picker		15	15			
1	1	Do. do.		12	12			
1	1	Muchi		12	12			
1	1	Duffadar		10	10			
1	1	Head Peon		8	8			
1	1	Messenger		8	8			
2	2	Messengers		7	14			
3	3	Lascars		7	21			
31	31	Total, Office Establishment for Chief Engineer for Irrigation.	...	1,495	17,940	...	17,940	

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GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		EXECUTIVE BRANCH —*cont.*						
		Office Establishment —*cont.*						
		For Six Superintending Engineers' Offices.						
1	1	Clerk, 2nd Class, 1st Grade.	160—200	180				
1	1	Do. 2nd „ 3rd „	100—120	110				
1	1	Do. 3rd „ 3rd „	50— 60	55				
1	1	Do. 4th „ 1st „	40— 50	45				
1	1	Do. 4th „ 2nd „	30— 40	35				
2	2	Clerks, 4th „ 3rd „	20— 30	50				
1	1	Draftsman, Special ...	80—100	90				
1	1	Do. 1st Class ...	50— 70	60				
1	1	Do. 2nd „ ...	35— 50	42½				
1	1	Messenger		8				
3	3	Messengers		6				
14	14	Total for each office ...	...	693½				
6	6		...	6				
84	84	Total for six offices ...	...	4,161	49,932	...	49,932	
		For Presidency Division.						
1	1	Clerk, 3rd Class, 2nd Grade.	60—80	70				
1	1	Do. 4th „ 1st „	40—50	45				
2	2	Clerks, 4th „ 2nd „	30—40	70				
3	3	Do. 4th „ 3rd „	20—30	75				
2	2	Do. 5th „ 1st „	15—20	35				
1	1	Cashier (Clerk, 3rd Class, 2nd Grade).	60—80	70				
1	1	Draftsman, 1st Class ...	50—70	60				
1	1	Do. 2nd „ ..	35—50	42½				
3	3	Draftsmen, 3rd „ ...	20—30	75				
1	1	Messenger		7	7			
1	1	Do.		6	6			
17	17	Total, Office Establishment, Presidency Division.	...	555½	6,666	...	6,666	
		For Godávari Eastern Division.						
1	1	Clerk, 3rd Class, 2nd Grade.	60—80	70				
2	2	Clerks, 4th „ 1st „	40—50	90				
1	1	Clerk, 4th „ 2nd „	30—40	35				
		Carried over ...	...	...	...	...	...	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		Brought forward ...	Rs. ...	Rs. ...	Rs. ...	Rs. ...	Rs. ...	
		EXECUTIVE BRANCH —*cont.*						
		Office Establishment —*cont.*						
		For Godávari Eastern Division—cont.						
1	1	Cashier (Clerk, 4th Class, 2nd Grade).	30—40	35				
3	3	Clerks, 4th Class, 3rd Grade	20—30	75				
1	1	Draftsman, 1st Class ...	50—70	60				
1	1	Do. 3rd „ ...	20—30	25				
1	1	Messenger	7	7				
		Do.	6	6				
12	12	Total, Office Establishment, Godávari Eastern Division.	...	403	4,836	...	4,836	
		For Kistna Eastern Division.						
1	1	Clerk, 3rd Class, 2nd Grade.	60—80	70				
1	1	Do. 4th „ 1st „	40—50	45				
3	3	Clerks, 4th „ 2nd „	30—40	35				
1	1	Cashier (Clerk, 4th Class, 3rd Grade).	20—30	75				
1	1	Draftsman, 1st Class ...	50—70	60				
1	1	Do. 3rd „ ...	20—30	25				
1	1	Messenger	7	7				
		Do.	6	6				
11	11	Total, Office Establishment, Kistna Eastern Division.	...	348	4,176	...	4,176	
		For Eight First-class Divisions.(a)						
1	1	Clerk, 3rd Class, 2nd Grade.	60—80	70				
1	1	Do. 4th „ 1st „	40—50	45				
2	2	Clerks, 4th „ 2nd „	30—40	35				
1	1	Draftsman, 1st Class ...	20—30	50				
1	1	Do. 3rd „ ...	50—70	60				
1	1	Messenger	20—30	25				
		Do.	7	7				
9	9		6	6				
8	8	Total for each office ...	...	298	...	...	...	
72	72	Total for eight offices ...	...	2,384	28,608	...	28,608	

(a) 1. Godávari Western division.
2. Kistna Western division.
3. South Arcot division.
4. Buckingham Canal division.
5. Tanjore division.
6. Tinnevelly division.
7. Coimbatore division.
8. West Coast division.

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GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		EXECUTIVE BRANCH —*cont.*	Rs.	Rs.	Rs.	Rs. ...	Rs. ...	
		Office Establishment —*cont.*						
		For Kurnool Division.						
1	1	Clerk, 3rd Class, 2nd Grade.	60—80	70				
1	1	Do. 3rd „ 3rd „	50—60	55				
1	1	Do. 4th „ 1st „	40—50	45				
2	2	Clerks, 4th „ 2nd „	30—40	70				
2	2	Do. 4th „ 3rd „	20—30	50				
1	1	Draftsman, 1st Class ...	50—70	60				
1	1	Do. 2nd „ ...	35—50	42½				
1	1	Do. 3rd „ ...	20—30	25				
2	2	Messengers	7	14				
1	1	Messenger	6	6				
13	13	Total, Office Establishment, Kurnool Division.	...	437½	5,250	...	5,250	
		For Eight Second-class Divisions. (b)						
1	1	Clerk, 3rd Class, 2nd Grade.	60—80	70				
1	1	Do. 4th „ 2nd „	30—40	35				
2	2	Clerks, 4th „ 3rd „	20—30	50				
1	1	Draftsman, 1st Class ...	50—70	60				
1	1	Do. 3rd „ ...	20—30	25				
1	1	Messenger	7	7				
1	1	Do.	6	6				
8	8	Total for each office ...	...	253	...	...	...	
7	8			8				
56	64	Total for eight offices ...	...	2,024	...	...	...	
		Add—						
1	1	Cashier (Clerk, 4th Class, 1st Grade) for Sangam Project.	40—50	45				
1	1	Clerk, 4th Class, 3rd Grade, for North Arcot division.	20—30	25				
		Difference of pay between a 2nd Class Draftsman and 3rd Class for Sangam division.	...	17½				
58	66	Total for eight offices ...	...	2,111½	25,338	...	22,302	

(a) 1. Nellore division.
2. Cuddapah do.
3. North Arcot do.
4. Chingleput do.
5. Trichinopoly do.
6. Negapatam do.
7. Sangam Project division.
8. Madura division.

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		EXECUTIVE BRANCH —*cont.*	...	...	...	...	...	
		Office Establishment —*cont.*						
		For Nilgiri Division.						
1	1	Clerk, 3rd Class, 1st Grade.	80—100	90				
1	1	Do. 3rd „ 2nd „	60— 80	70				
2	2	Clerks, 4th „ 3rd „	50— 60	55				
1	1	Draftsman (Special) ...	40— 50	90				
1	1	Do.	100—120	110				
1	1	Messenger	70— 80	75				
1	1	Do.	10	10				
			9	9				
9	9	Total, Office Establishment, Nilgiri Division.	...	509	6,108	...	6,108	
		For Three Third-class Divisions. (*a*)						(*a*) 1. Ganjam. 2. Vizagapatam. 3. Bellary.
1	1	Clerk, 3rd Class, 3rd Grade.	50—60	55				
1	1	Do. 4th „ 2nd „	30—40	35				
2	2	Clerks, 4th „ 3rd „	20—30	50				
1	1	Draftsman, 2nd Class „	35—50	42½				
1	1	Do. 3rd „ ...	20—30	25				
1	1	Messenger	7	7				
1	1	Do.	6	6				
8	8	Total for each office ...	...	220½				
4	3		...	3				
32	24	Total for three offices ...	...	661½				
		Add—						
1	1	Clerk, 4th Class, 3rd Grade, for Bellary division.	20—30	25				
33	25	Total for three offices ...	...	686½	8,238	...	10,884	

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GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		EXECUTIVE BRANCH —*cont.*						
		Office Establishment —*cont.*						
		Office Establishment of the Consulting Architect to Government.						
1	1	Clerk, 1st Class, 3rd Grade.	200—250	225				
1	1	Do. 4th „ 1st „	40— 50	45				
2	2	Clerks, 4th „ 3rd „	20— 30	50				
1	1	Clerk, 5th „ 1st „	15— 20	17½				
1	1	Draftsman, 1st Class ...	50— 70	60				
1	1	Do. 2nd „ ...	35— 50	42½				
2	2	Draftsmen, 3rd „ ...	20— 30	50				
1	1	Messenger	7	7				
2	2	Messengers	6	6				
11	11	Total, Office Establishment for Consulting Architect to Government.	...	503	6,036	...	6,036	
		For Public Works Stores.						
1	1	Storekeeper	300	300				
1	1	Store Clerk, 3rd Class, 2nd Grade.	60—80	70				
1	1	Do. 4th Class, 2nd Grade.	30—40	35				
1	1	Do. 4th „ 3rd „	20—30	25				
1	1	Messenger	8	8				
2	2	Messengers	7	14				
2	2	Do.	6½	13				
9	9	Total, Office Establishment, Public Works Stores.	...	465	5,580	...	5,580	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		EXECUTIVE BRANCH —*cont.*	Rs.	Rs.	Rs.	Rs.	Rs.	
		Office Establishment —*cont.*						
		For Public Works Workshops, Presidency.						
1	1	Clerk, 3rd Class, 2nd Grade.	60—80	70				
1	1	Do. 3rd " 3rd "	50—60	55				
1	1	Do. 4th " 1st "	40—50	45				
4	4	Clerks, 5th " 1st "	20—30	25				
1	1	Clerk, 5th " 2nd "	15—20	70				
1	1	Draftsman, 1st Class ...	10—15	12½				
1	1	Do. 2nd " ...	50—70	60				
4	4	Messengers	35—50	42½				
			7	28				
15	15	Total, Office Establishment, Presidency Workshops.	...	408	4,896	...	4,896	
		For Public Works Workshops, Dowlaishweram.						
...	1	Clerk, 3rd Class, 3rd Grade.	50—60	55				
...	1	Do. 4th " 2nd "	30—40	35				
...	3	Clerks, 4th " 3rd "	20—30	75				
...	1	Clerk, 5th " 1st "	15—20	17½				
...	1	Duffadar		9				
...	5	Gate Peons		6				
...	1	Office Peon		6				
...	4	Store Peons		6				
...	17	Total, Office Establishment, Public Works Workshops, Dowlaishweram.	...	251½	3,018	...	...	
		Office (Toll) Establishment, Buckingham Canal.						
1	1	Wharf Superintendent ...		50				
2	2	Clerks, 5th Class, 1st Grade.	15—20	35				
2	2	Toll-keepers		15				
1	1	Wharf Clerks		17½				
1	1	Clerk, 4th Class, 3rd Grade.	20—30	25				
1	1	Assistant Toll-keeper ...		8				
4	4	Shroff	10—15	12½				
12	12	Lascars		8				
		Do.		7				
26	26	Total, Office (Toll) Establishment, Buckingham Canal.	...	295½	3,546	...	3,546	

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GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		EXECUTIVE BRANCH —*cont.*	Rs.	Rs.	Rs.	Rs.	Rs.	
		Office Establishment —*cont.*						
		For Project Divisions.						
16	...		...	...	...	...	6,492	
		For Sixty-four Sub-divisional Offices.						
1	1	Clerk, 4th Class, 3rd Grade.	20—30	25				
1	1	Messenger	6	6				
2	2	Total for each office ...	...	31				
64	64		...	64				
128	128	Total for sixty-four Sub-divisional offices.	...	1,984				
		For Two Sub-divisional Offices in Nilgiri Division.						
1	1	Clerk, 4th Class, 2nd Grade.	30—40	35				
1	1	Messenger	9	9				
2	2	Total for each office ...	...	44				
4	4	Total for two offices ...	...	88				
132	132	Total for Sub-divisional offices.	...	2,072	24,864	...	24,864	
		For Seventy-five Detached Officers.						
1	1	Clerk, 4th Class, 3rd Grade.	20—30	25				
1	1	Total for each Detached Officer.	...	25				
75	75		...	75				
75	75	Total for seventy-five Detached Officers.	...	1,875	22,500	...	22,500	
		For Ninety-two Overseers.						
1	1	Clerk, 5th Class, 1st Grade.	15—20	17½				
1	1	Total for each Overseer ...	...	17½				
92	92		...	92				
92	92	Total for ninty-two Overseers.	...	1,610	19,320	...	19,320	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		EXECUTIVE BRANCH —*cont.*	Rs.	Rs.	Rs.	Rs.	Rs.	
		Office Establishment —*cont.*						
		Abstract of Office Establishment.						
42	42	Public Works Department Secretariat.	...	...	37,020	...	37,020	
31	31	Office of Chief Engineer for Irrigation.	...	...	17,940	...	17,940	
84	84	Six Superintending Engineers' offices.	...	...	49,932	...	49,932	
17	17	Presidency Division office.	...	...	6,666	...	6,666	
12	12	Godávari Eastern Division.	...	...	4,836	...	4,836	
11	11	Kistna Eastern Division ... including Kurnool.	...	...	4,176	...	4,176	
85	85	Nine First-class Divisions	...	...	33,858	...	33,858	
58	66	Eight Second-class Divisions	...	...	25,338	...	22,302	
9	9	Nílgiri Division	...	...	6,108	...	6,108	
33	25	Three Third-class Divisions	...	...	8,238	...	10,884	
11	11	Consulting Architect to Government.	...	...	6,036	...	6,036	
9	9	Public Works Stores ...	...	...	5,580	...	5,580	
15	32	Public Works Workshops, Presidency and Dowlaishweram.	...	...	7,914	...	4,896	
26	26	Toll Establishment, Buckingham Canal.	...	...	3,546	...	3,546	
16	...	Project Divisions	...	...	...	...	...	
132	132	Sub-divisional offices ...	...	...	24,864	...	6,492	
75	75	Detached officers	...	...	22,500	...	24,864	
92	92	Overseers	...	...	19,320	...	22,500	
			...	...		...	19,320	
758	759	Temporary Establishment.	...	...	2,83,872	2,83,872	2,86,956	
		Local Allowances.	...	...	82,542	82,542	3,00,000	
		Upper Godávari allowances.	...	30	360			
		Wynaad allowances ...	...	...	4,000	...	...	
		Potinghy Ghât allowances.	...	...	7,200	...	...	
		Presidency house-rent ...	...	...	4,800	...	...	
		Do. allowance ...	...	...	9,000	...	...	
		Total, Local Allowances ...	...	...	25,360	25,360	31,740	
		Total Salaries ...	...	...	17,13,526	...	20,01,304	
		Travelling allowances ...	...	...	...	†1,81,796	2,40,000	

†Reduced by Rs. 58,204, being the share of travelling allowances on account of temporary establishment for which no provision is made.

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GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		EXECUTIVE BRANCH —*cont.*	Rs.	Rs.	Rs.	Rs.	Rs.	
		Contingencies inclusive of Postage.						
		Public Works Department Secretariat office ... Rs. 500						
		Office of Chief Engineerfor Irrigation. 150						
		6 Superintending Engineers' offices at Rs. 100. 600						
		27 Divisional offices ... 2,700						
		2 Workshops. 100						
		—— 3,400						
		4,050	...	4,050	48,600	48,600	48,600	
		Total ...	...	...	...	19,37,470	22,89,904	
		ACCOUNTS BRANCH.						
...	1	Examiner, 1st Class ...	1,600	1,600				
1	...	Do. 2nd „ ...	1,350	...				
1	2	Dy. Examiners, 1st Grade.	600&550	1,150				
1	...	Dy. Examiner, 2nd „	500	...				
...	1	Assistant Examiner ...	400	400				
3	4	Total, Examiners ...	...	3,150	37,800	...	28,800	
		Accountants.						
2	2	Accountants, 1st Grade ...	350—450	800				
3	3	Do. 2nd „ ...	250—340	885				
8	9	Do. 3rd „ ...	160—240	1,800				
18	17	Do. 4th „ ...	80—150	1,955				
30	27	Do. 5th „ ...	40— 75	1,552½				
61	58	Total, Accountants ...	...	6,992½	83,910	...	84,960	
		Office Establishment.						
1	1	Clerk, 2nd Class, 2nd Grade	120—160	140				
1	1	Do. 3rd „ 1st „	80—100	90				
4	4	Clerks, 3rd „ 2nd „	60— 80	280				
7	7	Do. 3rd „ 3rd „	50— 60	385				
6	6	Do. 4th „ 1st „	40— 50	270				
10	10	Do. 4th „ 2nd „	30— 40	350				
18	18	Do. 4th „ 3rd „	20— 30	450				
16	16	Do. 5th „ 1st „	15— 20	280				
2	...	Do. 5th „ 2nd „	10— 15	...				
65	63	Total, Clerks ...	...	2,245	...	...	...	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		ACCOUNTS BRANCH —*cont.*	Rs.	Rs.	Rs.	Rs.	Rs.	
		Menial Servants.						
...	1	Attender	12	12				
...	1	Do.	10	10				
1	1	Muchi	12	12				
1	1	Do.	10	10				
1	1	Attender	8	8				
1	1	Head Messenger	5	5				
1	1	Do.	10	10				
4	4	Messengers	8	8				
6	6	Do.	7	28				
2	2	Rollers	6	36				
			5	10				
18	20	Total, Menial Servants ...	...	149	...	...	...	
83	83	Total, Office Establishment.	...	2,394	28,728	...	28,764	
		Local and Charge Allowances.						
		Presidency house-rent ...	...	400				
		Do. allowance ...	...	1,000				
		Charge allowance for 20 Accountants, 5th Grade.	20	400				
		Total, Local and Charge Allowances.	...	1,800	21,600	...	25,200	
		Total Salaries	...	...	...	1,72,038	1,68,724	
		Travelling allowances ...	...	...	...	3,000	3,600	
		Contingencies	...	...	...	3,000	4,800	
		Grand Total ...	...	...	...	1,78,038	1,77,124	
		Deduct—						
		Contributions as follows: Coorg 1 Accountant, 3rd Grade..	200					
			200	2,400	...	...	...	
		Contribution on account of audit for Coorg.	...	3,500	...	...	...	
			...	5,900	...	—5,900	7,872	
			...	...	...	1,72,138	1,69,252	

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GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		ACCOUNTS BRANCH —*cont.*	Rs.	Rs.	Rs.	Rs.	Rs.	
		Abstract.						
		Executive Branch	...		19,37,470	...	22,89,904	
		Accounts do.	...		1,72,138	...	1,69,252	
		Grand Total, Public Works Department Establishment.	...	...	21,09,608	...	24,59,156	

GOVERNMENT OF MADRAS.

PART III—concluded.

ABSTRACT OF THE FOREGOING PROVISION FOR ESTABLISHMENT.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Total, Public Works Establishment.	...	...	21,09,608	21,09,608	24,59,156	
		Deduct Contributions.						
		Wards Works	...	...	60,000			
		Imperial Military	...	...	1,03,000			
		Imperial Civil Works ...	...	...	6,200			
		Incorporated Local Funds ...	...	...	47,487			
		Excluded Local Funds ...	...	...	...			
		35. Famine Relief and Insurance.						
		Construction of Protective Irrigation Works.	...	...	46,000			
		42. Irrigation Major Works (Working Expenses).	...	...	3,67,720			
		48. Capital Expenditure on Public Works (not charged against Revenue) Irrigation.	...	...	1,93,585			
		43. Provincial Irrigation, Minor Works and Navigation.	...	...	6,35,616			
						14,59,608	16,35,424	
		Balance debitable to Provincial.	...	...	...	6,50,000	8,23,732	

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APPENDIX B.

Statement showing the total estimated Cost of Establishment of Public Works Department for 1887-88.

—	Salaries.	Travelling allowances.	Contingencies.	Total.
	Rs.	Rs.	Rs.	Rs.
(1) Direction	3,00,324	(a) 21,523	15,000	3,36,847
(2) Accounts	1,59,686	3,000	3,000	1,65,686
(3) Construction	14,13,202	1,60,273	33,600	16,07,075
Total ...	18,73,212	1,84,796	51,600	21,09,608

(a) Actuals for 1886-87.

Madras,
19th March 1887.

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

APPENDIX C.

—	Works grant.	Revenue.		23 per cent. on Works grant.	10 per cent. on Direct Revenue Irrigation.	6 per cent. on Indirect Revenue Irrigation.	5 per cent. on Direct Revenue, Buildings and Roads.	Special contribution for scrutiny of Local Fund estimates.	Cost of Establishment actually employed.	Total contributions.	Estimated cost of Establishment for 1887-88.
		Direct.	Indirect.								
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Imperial, Military	4,42,600	25,000	...	1,01,750	...	...	1,250	...	...	1,03,000	...
Do. Civil Works	27,000	...	...	6,200	...	...	...	...	...	6,200	...
35. Imperial Irrigation, Famine Relief and Insurance. Construction of Protective Irrigation Works	3,05,000	...	...	46,000	...	...	...	...	...	46,000	...
42. Imperial Irrigation. Major Works (Working Expenses).	5,47,262	1,62,000	36,12,000	1,23,800	16,200	2,16,720	...	...	11,000	3,67,720	...
48. Imperial Irrigation. Capital Expenditure on Public Works (not charged against Revenue)	8,88,291	...	...	1,93,585	...	...	...	...	...	1,93,585	...
Provincial, Civil Works ...	10,07,000	93,000	...	2,31,610	...	...	4,650	...	...	2,36,260	...
43. Provincial Irrigation, Minor Works and Navigation ...	19,82,174	82,275	29,08,000	4,09,809	8,227	1,74,480	...	...	43,100	6,35,616	...
Incorporated Local	1,54,528	6,000	...	32,187	...	...	300	15,000	...	47,487	...
Excluded Local	...	...	...	...	...	...	...	...	...	...	...
Court of Wards	2,61,000	...	...	60,000	...	...	...	...	...	60,000	...
Total ...	56,14,855	...	...	...	...	...	...	..	...	16,95,868	21,09,608

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APPENDIX D.

DISTRIBUTION RETURN

OF THE

EXECUTIVE ESTABLISHMENT, P.W.D.,

25TH APRIL 1887.

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APPENDIX D.

DISTRIBUTION RETURN

OF THE

EXECUTIVE ESTABLISHMENT, P.W.D.,

25TH APRIL 1887.

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STATEMENT SHOWING ESTABLISHMENT SANCTIONED AND EXISTING.

Circles.	Divisions.	Sanctioned.			Existing 25th April 1887.			Remarks.
		Executive Engineers.	Assistant Engineers.	Upper Subordinates.	Executive Engineers.	Assistant Engineers.	Upper Subordinates.	
I.	Ganjam	2	3	9	1	3	6	
	Vizagapatam	1	1	6	1	1	3	
	Godávari, East	1	2	8	1	2	8	
	Do. West ..	1	2	4	1	1	6	
	Do. Central ..	1	2	5	..	2	2	
		6	10	32	4	9	25	
II.	Kistna, East	2	3	9	*2	2	7	* 1 Superintending Engineer temporary.
	Do. West	1	2	6	..	3	4	
	Nellore	1	3	9	..	3	12	
	Buckingham Canal ..	1	1	8	1	1	7	
		5	9	32	3	9	30	
III.	Bellary	1	..	6	†2	..	6	† 1 do.
	Cuddapah	1	1	4	1	..	4	
	Kurnool	2	1	11	..	2	11	
		4	2	21	3	2	21	
IV.	Nilgiris	1	..	4	1	..	3	
	Coimbatore	2	2	12	2	1	11	
	West Coast	1	1	8	1	1	8	
		4	3	24	4	2	22	
V.	North Arcot	1	2	7	‡2	1	7	‡ 1 do. Substantive *pro tem.*
	South Arcot	1	1	8	2	1	11	
	Chingleput	2	1	7	1	1	9	
	Presidency and Bangalore.	1	1	7	1	1	8	
	Do. Workshops ..	1	..	2	1	..	1	
		6	5	31	7	4	36	
VI.	Trichinopoly	1	..	6	..	..	6	
	Tanjore	1	2	9	1	1	9	
	Negapatam	1	1	7	..	2	5	
	Madura	2	1	12	1	2	15	
	Ramnad	..	..	..	1	..	2	
	Tinnevelly	1	1	6	1	..	7	
		6	5	40	4	5	44	
	Secretariat	2	..	..	2	..	..	
	Consulting Architect ..	1	..	2	1	..	2	
	Supernumeraries ..	7	6	3	13	7	5	
	Total ..	41	40	185	41	38	185	

SECRETARIAT.

Colonel J. O. Hasted, R.E.,	E.W., and W.
Captain W. L. C. Baddeley, R.E.,	D.E.W., and D.W.
Colonel H. R. Mead, R.E.,	E.I., and I.
J. P. Davidson,	Assistant E.I., and D.I.

CONSULTING ARCHITECT DIVISION.

(1. 0. 3.)

J. W. Brassington, A.M.I.C.E.,	Executive Engineer.	Consulting Architect, Offg.
J. H. Stephens,	Assistant do.	Honorary.
Sergeant C. Smith, R.E.,	Supervisor.	

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I CIRCLE.

G. T. Walch,	Superintending Engineer, Temporary.	

Ganjam Division.

* (2. 3. 9.)

J. Hannan,	Executive Engineer.	
H. E. Evans,	Do. do.	Substantive *pro tem.*
J. H. Medlicott,	Do. do.	Temporary.
G. F. Handcock,	Assistant do.	
S. Venkataramanayya Pantulu, B.C.E.,	Sub-Engineer.	
Serjeant E. Huson,	Overseer.	
C. Ramanna Pantulu,	Do.	
C. H. Marrow,	Do.	
P. Donohoe,	Do.	
S. Ramayya,	Do.	On privilege leave till 7th July 1887.

Vizagapatam Division.

(1. 1. 6.)

Lieut.-Col. A. T. Fraser, R.E.,	Executive Engineer.	
W. Knowles,	Assistant do.	
T. T. Russell,	Overseer.	
Serjeant T. Turner,	Do.	
Do. W. Lewis,	Do.	

Godávari Eastern Division.

(1. 2. 8.)

J. E. Paul,	Executive Engineer.	
J. F. Somers-Eve,	Assistant Engineer.	
S. B. Murray,	Do. do.	
J. D. Legge,	Sub-Engineer.	
Sub-Conductor E. W. Bennett,	Supervisor.	Dowlaishweram Workshops.
Serjeant J. H. Ulyett,	Overseer.	
C. W. Traish,	Supervisor.	
Serjeant J. Alford,	Overseer.	

* The figures in brackets indicate the sanctioned scale of Executive Engineers, Assistant Engineers, and Upper Subordinates for each Division.

B. Kannayya Lal,	Overseer.	
P. Narasimha Rau,	Do.	
S. Mutya Pillai,	Do.	

Godávari Western Division.

(1. 2. 5.)

W. C. DeMorgan,	Executive Engineer.	
J. S. Wilson,	Assistant do.	
R. Vaidyanatha Aiyar, B.C.E.,	Sub-Engineer.	
G. Venkatarau Pantulu,	Do.	
J. Kelly,	Supervisor.	
Serjeant J. E. Patton,	Do.	
S. Trutwein,	Do.	
D. Venkataratnam Pillai,	Do.	

Godávari Central Division.

(1. 2. 4.)

W. C. Lewis,	Assistant Engineer.	In charge.
R. A. Srinivasa Aiyangar,	Do. do.	Probationary.
Serjeant S. Hearne,	Overseer.	
T. N. Rajaram Rau,	Do.	

II CIRCLE.

G. D. Wybrow,	Superintending Engineer.	Temporary.

Kistna Eastern Division.

(2. 3. 9.)

C. H. B. Burlton,	Executive Engineer.	
H. A. Moss,	Assistant do.	
C. H. D. Marjoribanks,	Do. do.	
W. A. Mathews, A.C.E., B.C.E.,	Sub-Engineer.	
T. Subrahmanya Aiyar, B.A., B.C.E.,	Supervisor.	
Serjeant F. Humbly, R.E.,	Do.	
T. Ramanujam Pillai,	Do.	
Serjeant T. G. Blake,	Overseer.	
Mir Sadr-ud-din Sahib, A.C.E.,	Do.	
V. Gangayya,	Do.	

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Kistna Western Division.

(1. 2. 6.)

S. D. Pears,	Executive Engineer.	Temporary.
C. W. Wood,	Assistant Engineer.	
A. C. Pereira,	Do. do.	
A. Narayanaswami Mudaliyar,	Supervisor.	On sick leave till 10th July 1887.
A. Nilakanta Sastri, B.C.E.,	Do.	
J. F. Fonseca,	Do.	
S. Vijayaraghavulu Das Nayudu,	Do.	

Nellore Division.

(1. 3. 9.)

A. A. G. Malet,	Executive Engineer.	Temporary.
J. J. Whiteley,	Do. do.	do.
S. Subrahmanya Aiyar,	Assistant do.	
Conductor J. Lalor,	Sub-Engineer.	
Serjeant E. Cope,	Supervisor.	
T. D. Enright,	Do.	
R. A. Salisbury,	Do.	
Serjeant J. Cherry,	Do.	
J. R. Hendrick,	Do.	On privilege leave till 12th May 1887.
J. A. Sydenham,	Overseer.	
P. Whitbread,	Do.	
Serjeant A. Donaghue,	Do.	
A. Venkatarangarau Nayudu,	Do.	
T. Sabhapati Mudaliyar,	Do.	
C. Singaravelu Mudaliyar,	Do.	

Buckingham Canal Division.

(1. 1. 8.)

C. Vincent,	Executive Engineer.	
F. J. Wilson,	Do. do.	Temporary.
Conductor J. A. Power,	Sub-Engineer.	
H. M. Bond,	Do.	
R. Enright,	Supervisor.	
A. Murugesa Mudaliyar,	Do.	Under suspension.
C. H. R. Morton,	Do.	
D. Venkataswami Nayudu,	Overseer.	
P. Narayanaswami Nayudu,	Do.	

III CIRCLE.

C. J. Peters,	Superintending Engineer.	Temporary.
	Bellary Division.	
	(1. 0. 6.)	
A. H. Garrett,	Executive Engineer.	
Captain W. Jackson,	Assistant do.	Supernumerary.
Sub-Conductor R. W. Ward,	Sub-Engineer.	
T. Muniswami Mudaliyar,	Overseer.	
H. S. Lazarus,	Do.	
Private J. Ruck,	Do.	
Serjeant W. Rule,	Do.	
	Cuddapah Division.	
	(1. 1. 4.)	
J. C. Johnston,	Executive Engineer.	
Serjeant S. Ainley,	Supervisor.	
N. Kumarasawmi Achari,	Overseer.	
C. W. Chinnappa Pillai,	Do.	
N. Appadurai Mudaliyar,	Do.	
	Kurnool Division.	
	(2. 1. 11.)	
G. P. Carless,	Executive Engineer.	Temporary.
S. Gopala Krishna Aiyar, B.C.E.,	Do. do.	Do.
S. W. Ottmann,	Assistant do.	Honorary.
Sub-Conductor H. Frankland,	Sub-Engineer.	
Conductor J. Nicholson,	Do.	
E. A. French, A.C.E.,	Supervisor.	
S. Panchapakesa Aiyar,	Overseer.	
J. Lawrence,	Do.	
Serjeant L. Donaghue,	Do.	
E. Krishna Aiyar,	Do.	
A. W. J. Tims,	Do.	
M. Mutturira Pillai,	Do.	
T. A. Monisse,	Do.	

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IV CIRCLE.

Colonel J. Beatty, R.E.,	Superintending Engineer.	
	Nilgiri Division.	
	(1. 0. 4.)	
W. B. deWinton,	Executive Engineer.	
Sub-Conductor R. A. Bragg,	Sub-Engineer.	
Sub-Conductor A. C. Lord,	Supervisor	
Serjeant H. Webb,	Do.	
	Coimbatore Division.	
	(2. 2. 12.)	
Captain O. V. Boddy, R.E.,	Executive Engineer.	On privilege leave till 2nd June 1887.
S. Subbaraya Chariyar,	Do. do.	
A. T. Mackenzie,	Do. do.	Temporary.
Sub-Conductor J. Cormac,	Sub-Engineer.	
J. Mahony,	Sub-Engineer.	
R. Kalyanarama Aiyar, A.C.E.,	Supervisor.	
S. C. Saldanha, B.C.E.,	Do.	
Sub-Conductor T. B. Smith,	Do.	
N. Nadhamuni Mudaliyar,	Do.	
S. Raghava Aiyangar,	Overseer.	
Serjeant R. T. Healy,	Do.	
C. Masilamani Mudaliyar,	Do.	
L. A. Rangaswami Aiyar,	Do.	
C. Murugesa Mudaliyar,	Do.	
	West Coast Division.	
	(1. 1. 8.)	
H. S. Taylor,	Executive Engineer.	
P. R. Allen,	Assistant do.	
Conductor R. P. Lennon,	Sub-Engineer.	
Serjeant D. Mackintosh, R.E.,	Supervisor.	
Sub-Conductor H. Hollingsworth,	Do.	
A. E. C. Vaz,	Overseer.	
J. Timothy,	Do.	
J. Pereira,	Do.	
S. B. DeRebello,	Do.	
E. S. Noronha,	Do.	

V CIRCLE.

Colonel W. H. Burton, R.E.,	Superintending Engineer.	Substantive *pro tem.*
Colonel H. M. Vibart, R.E.,	Do. do.	Going on furlough.

North Arcot Division.

(1. 2. 7.)

Colonel H. Smalley, R.E.,	Executive Engineer.	
F. W. Ashpitel,	Assistant do.	
Lieutenant W. C. S. West,	Do. do.	Supernumerary.
V. Kuppuswami Aiyangar,	Supervisor.	
V. R. Kuppuswami Mudaliyar,	Overseer.	
Serjeant H. Slaney,	Do.	
J. Willis,	Do.	
S. T. Raghava Aiyangar,	Do.	
V. Subrahmanya Sastri,	Do.	

South Arcot Division.

(1. 1. 8.)

J. Larminie,	Executive Engineer.	Going on furlough.
J. W. Martin,	Do. do.	
C. A. Smith,	Do. do.	Temporary.
H. C. Berlie,	Sub-Engineer.	
Sub-Conductor F. Heinig,	Do.	
J. E. Lafrenais,	Do.	
J. C. Donnchy,	Supervisor.	
W. Masilamani Mudaliyar,	Overseer.	
G. M. Subharayulu Nayudu,	Do.	
V. Krishnaswami Mudaliyar,	Do.	
P. Ramanarayan Pondai,	Do.	
V. Govindarajulu Mudaliyar,	Do.	
Gunner T. Murphy,	Do.	
S. Panchanatha Aiyar,	Do.	

Chingleput Division.

(2. 1. 7.)

Captain L. Langley, R.E.,	Executive Engineer.	
A. M. Hayes,	Do. do.	Temporary. On privilege leave.
C. Muhammad Qasim Sahib,	Assistant do.	Honorary.
J. B. Sanderson,	Sub-Engineer.	

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C. Velayudham Mudaliyar,	Supervisor.	
Sub-Conductor J. Kelly,	Do.	
K. Duraiswami Pillai,	Do.	
C. R. Chinnaswami Aiyangar, B.C.E.,	Do	Substantive *pro tem.*
P. Panchapakesa Aiyar,	Overseer.	
M. R. Bresnahan,	Do.	
N. Murugesa Mudaliyar,	Do.	

Presidency and Bangalore Division.

(1. 1. 7.)

Colonel R. Thompson, R.E.,	Executive Engineer.	
Captain W. D. Lindley,	Assistant do.	
Lieutenant S. C. Plummer,	Do. do.	Supernumerary.
Conductor A. Milne,	Sub-Engineer.	Apprentice Instructor.
Serjeant A. Temple,	Supervisor.	Do.
Serjeant R. W. MacAlister, R.E.,	Do.	
Serjeant T. Green, R.E.,	Do.	
Abdul Latif Sahib,	Do.	
A. Kuppuswami Mudaliyar,	Overseer.	On privilege leave.
C. Shanmukham Mudaliyar,	Do.	
Corporal W. L. Emery,	Apprentice Overseer.	
Lance-Corporal B. Reynolds,	Do.	
„ „ P. King,	Do.	

Workshops.

(1. 0. 2.)

A. Joyce,	Executive Engineer.	
S. Francis,	Sub-Engineer.	

VI CIRCLE.

Lt.-Colonel J. Pennycuick, R.E.,	Superintending Engineer.	

Trichinopoly Division.

(1. 0. 6.)

Lt. & Dy. Asst. Commy. D. Falvey,	Executive Engineer.	Officiating.
C. S. Srinivasa Aiyar,	Overseer.	
K. C. Viswanatha Aiyar,	Do.	
J. B. Rodrigues,	Do.	

P. Moses,	Overseer.	
S. Sambasiva Aiyar,	Do.	

Tanjore Division.

(1. 2. 9.)

C. M. Smith,	Executive Engineer.	
A. M. Foord,	Do. do.	Temporary.
T. Subrahmanya Pillai,	Assistant do.	Honorary.
S. Krishnamachariyar, B.C.E.,	Sub-Engineer.	
V. Kodandapani Mudaliyar,	Supervisor.	
E. Dady,	Do.	
N. Rajagopala Aiyangar, B.C.E.,	Do.	
P. Ratnaswami Mudaliyar,	Do.	
K. Visvanatha Aiyar,	Overseer.	
M. Muniswami Mudaliyar,	Do.	
N. Ramaswami Pillai,	Do.	

Negapatam Division.

(1. 1. 7.)

G. E. Manson,	Executive Engineer.	Temporary.
J. Inglis,	Assistant do.	
Conductor C. J. Littlewood,	Sub-Engineer.	Substantive *pro tem.*
T. Vaidyalingum Pillai,	Supervisor.	
A. D. Joseph Pillai,	Do.	
D. Muttirulappa Pillai,	Overseer.	
J. C. Campbell,	Do.	

Madura Division.

(2. 1. 12.)

J. Grimes,	Executive Engineer.	
H. E. Clerk,	Do. do.	Temporary.
R. Gopala Aiyar, B.C.E.,	Assistant do.	Probationary.
C. Chinnatambi Pillai, A.C.E.,	Sub-Engineer.	
P. Mahony,	Do.	
J. M. Taylor,	Supervisor.	
Abdul-Karim Khan Sahib,	Do.	
V. Nityananda Mudaliyar, B.A., B.C.E.,	Supervisor.	
C. Vettivelu Pillai,	Do.	

C. Subrahmanya Aiyar,	Overseer.	
V. Subharaya Pillai,	Do.	
S. K. Ramachandra Sastri,	Do.	
T. Gnanasambandam Pillai,	Do.	
P. M. Arumukham Pillai,	Do.	
R. Srinivasachariyar,	Do.	
H. LaFontaine,	Do.	
P. Krishnamachari,	Do.	
J. W. Walsh,	Do.	

Tinnevelly Division.

(1. 1. 6.)

A. S. Russell,	Executive Engineer.	
W. V. Baker,	Assistant do.	Honorary.
T. T. Raghavachariyar, B.C.E.,	Sub-Engineer.	
T. Fitzgerald,	Supervisor.	
S. K. Govinda Rau,	Do.	
M. Arumanayakam Pillai,	Do.	Temporary.
Serjeant C. Coghlan,	Overseer.	
A. Srinivasa Sastri,	Do.	

Ramnad Division.

C. A. B. Target,	Executive Engineer.	
P. Murugesam Pillai,	Supervisor.	
S. K. Ramachandra Sastri,	Overseer.	

LIST OF SECONDED OFFICERS.

Name.	Rank.	Cause of Absence.	Date of Return.
Mr. J. W. Rundall ...	Superintending Engineer.	On 2 years' furlough.	28th July 1887.
Lt.-Col. C. Bowen, R.E. ...	Do. ...	On other duty ...	.....
Major A. C. Smith R.E. ...	Executive Engineer.	On 1 year 1 mt. 14 ds. furlough.	March 1888.
Major D. McNeil Campbell.	Do. ...	On 1 year 2 ms. 17 ds. furlough.	May 1888.
Lt.-Col. S. C. Clarke, R.E.	Do. ...	On 15 months' furlough	1st December 1887.
Major R. R. E. Drake-Brockman, R.E.	Do. ...	On 1 year & 275 days' furlough.	21st March 1888.
W. Hughes.	Do. ...	On 5 months' furlough.	8th July 1887.
Mr. J. M. Bell	Do. ...	On 1 year 10 ms. 9 ds. furlough.	17th June 1887.
Captain C. Kensington ...	Do. ...	On 1 year & 321 days' furlough.	3rd June 1887.
Captain A. F. Dorward ...	Do. ...	On field service ...	.....
Mr. C. H. T. Norfor ...	Do. ...	On 2 years' furlough.	30th November 1887.
Mr. J. D. Grant	Do. ...	Do. ...	.....
Captain C. C. Rawson ...	Do. ...	On 2 years' furlough.	4th May 1888.
Captain A. W. Smart, R.E.	Do. ...	On 1 year & 138 days' furlough.	9th December 1887.
Mr. J. Traill	Do. ...	On 6 ms. special leave.	18th July 1887.
Mr. C. J. Ussher	Do. Sub. *pro tem.*	On 1¾ years' furlough.	9th October 1887.
Mr. B. H. Young	Assistant Engineer.	On 15 months' furlough	1st July 1887.
Mr. W. Jopp	Do. ...	Do. do.	1st July 1887.
Mr. A. B. Todd	Do. ...	On 2 years' furlough.	24th August 1887.
Mr. H. H. O'Connell ...	Do. ...	On 1½ year's furlough.	October 1888.
Mr. G. B. Lambert ...	Do. ...	On 20 months' furlough	28th November 1887.
N. Ratnasabhapati Pillai ...	Do. ...	On 1 year's furlough.	28th December 1887.
J. W. H. Ellis	Sub-Engineer ...	On other duty ...	.....
Mr. E. Haldwell	Do. ...	Do.	.....
E. Taylor	Supervisor ...	Do.	.....
U. N. Joyce	Do. ...	Do.	.....
Muhamad Jafar Husain Sahib.	Overseer ...	Do.	.....

Appendix A

PROVINCIAL SERVICES.
PUBLIC WORKS BUDGET-ESTIMATE. **MADRAS.**

GOVERNMENT OF MADRAS.

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PART III.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT UNDER PROVINCIAL SERVICES IN THE MADRAS PRESIDENCY FOR 1887-88.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		EXECUTIVE BRANCH.	Rs.	Rs.	Rs.	Rs.	Rs.	
		ENGINEER ESTABLISHMENT.						
		Chief Engineers.						
1	1	Chief Engineer, 1st Class, and Secretary to Government, Public Works Department.	2,500	2,500				
1	1	Chief Engineer, 2nd Class, and Joint Secretary to Government, Irrigation Branch.	2,000	2,000				
		Military pay and allowances	...	445				
2	2	Total, Chief Engineers ...	...	4,945	59,340	...	59,832	
		Superintending Engineers.						
2	2	Superintending Engineers, 1st Class.	1,600	3,200				
2	2	Superintending Engineers, 2nd Class.	1,350	2,700				
2	2	Superintending Engineers, 3rd Class.	1,100	2,200				
		Military pay and allowances	...	1,209				
6	6	Total, Superintending Engineers.	...	9,309	1,11,708	...	1,23,672	
		Executive Engineers.						
11	11	Executive Engineers, 1st Grade.	950	10,450				
11	11	Executive Engineers, 2nd Grade.	800	8,800				
13	13	Executive Engineers, 3rd Grade.	700	9,100				
6	6	Executive Engineers, 4th Grade.	600	3,600				
		Military pay and allowances.	...	2,518				
41	41	Total, Executive Engineers.	...	34,468	4,13,616	...	4,51,380	
		Add— Pay of Messrs. Target (*a*) and Brassington (*b*).	...	...	...	...	...	(*a*) Will be retransferred. (*b*) Will be counted against normal scale.
		Carried over ...	...	...	...	...	...	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		Brought forward ...	Rs. ...	Rs. ...	Rs. ...	Rs. ...	Rs. ...	
		EXECUTIVE BRANCH —*cont.*						
		Assistant Engineers.						
32	32	Assistant Engineers, 1st Grade.	500	16,000				
8	8	Assistant Engineers, 2nd and 3rd Grades.	250 & 350	2,700				
		Military pay and allowances.	...	190				
40	40	Total, Assistant Engineers.	...	18,890	2,26,680	...	2,25,600	
91	91	Total, Engineer Establishment.	...	...	8,11,344	...	8,60,484	
		Deduct— On account of absentees ... 80,000	...	...	(a)80,000	...	50,000	(a) Increased by Rs. 30,000.
		Net Total, Engineer Establishment.	...	...	...	7,31,344	8,10,484	
		Upper Subordinate Establishment.						
		Sub-Engineers.						
9	9	Sub-Engineers, 1st Grade...	400	3,600				
9	9	Do. 2nd „ ...	300	2,700				
17	17	Do. 3rd „ ...	250	4,250				
		Military pay and allowances including additional pay sanctioned for Messrs. Ottmann and Baker.	...	535				
35	35	Total, Sub-Engineers ...	...	11,085	1,33,020	...	1,32,780	
		Supervisors.						
22	22	Supervisors, 1st Grade ...	200	4,400				
36	36	Do. 2nd „ ...	150	5,400				
		Military pay and allowances.	...	90				
58	58	Total, Supervisors ...	...	9,890	1,18,680	...	1,20,609	
		Overseers.						
35	39	Overseers, 1st Grade ...	100	3,900				
28	28	Do. 2nd „ ...	80	2,240				
29	25	Do. 3rd „ ...	60	1,500				
		Military pay and allowances.	...	650				
92	92	Total, Overseers ...	...	8,290	99,480	...	96,960	
		Carried over ...	...	...	...	...	...	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		Brought forward ...	Rs. ...	Rs. ...	Rs. ...	Rs. ...	Rs. ...	
		EXECUTIVE BRANCH —*cont.*						
		Upper Subordinate Establishment—*cont.*						
		Apprentices.						
2	3	Apprentice Overseers, 1st Grade.	51	153				
		Additional remuneration for two Apprentice Instructors.	50	100				
		Total, Apprentices ...	...	253	3,036	...	2,424	
		Sub-divisional allowance for 20 Upper Subordinates.	30	600	7,200	...	7,200	
187	188	Total, Upper Subordinate Establishment.	...	...	...	3,61,416	3,59,964 — 2,400	
							3,57,564	
		Lower Subordinate Establishment.						
12	13	Sub-Overseers, 1st Grade...	50	650				
9	9	Do. 2nd „ ...	35	315				
8	8	Do. 3rd „ ...	25	200				
29	30	Total, Lower Subordinate Establishment.	...	1,165	13,980	13,980	13,380	
		Petty Establishment.						
		Store Establishment.						
1	1	Storekeeper	100	100				
1	1	Do.	50	50				
4	4	Storekeepers	30	120				
9	9	Do.	25	225				
6	7	Do.	20	140				
6	4	Do.	15	60				
1	1	Store Writer	25	25				
7	7	Store Watchers	7	49				
35	34	Total, Store Establishment.	...	769	9,228	...	9,348	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		Brought forward ...	Rs. ...	Rs. ...	Rs. ...	Rs. ...	Rs. ...	
		EXECUTIVE BRANCH —*cont.*						
		Assistant Engineers.						
32	32	Assistant Engineers, 1st Grade.	500	16,000				
8	8	Assistant Engineers, 2nd and 3rd Grades.	250 & 350	2,700				
		Military pay and allowances.	...	190				
40	40	Total, Assistant Engineers.	...	18,890	2,26,680	...	2,25,600	
91	91	Total, Engineer Establishment	...	...	8,11,344	...	8,60,484	
		Deduct— On account of absentees ... 80,000	...	...	(a)80,000	...	50,000	(a) Increased by Rs. 30,000
		Net Total, Engineer Establishment.	...	...	...	7,31,344	8,10,484	
		Upper Subordinate Establishment.						
		Sub-Engineers.						
9	9	Sub-Engineers, 1st Grade...	400	3,600				
9	9	Do. 2nd „ ...	300	2,700				
17	17	Do. 3rd „ ...	250	4,250				
		Military pay and allowances including additional pay sanctioned for Messrs. Ottmann and Baker.	...	535				
35	35	Total, Sub-Engineers ...	...	11,085	1,33,020	...	1,32,780	
		Supervisors.						
22	22	Supervisors, 1st Grade ...	200	4,400				
36	36	Do. 2nd „ ...	150	5,400				
		Military pay and allowances.	...	90				
58	58	Total, Supervisors ...	...	9,890	1,18,680	...	1,20,000	
		Overseers.						
35	39	Overseers, 1st Grade ...	100	3,900				
28	28	Do. 2nd „ ...	80	2,240				
29	25	Do. 3rd „ ...	60	1,500				
		Military pay and allowances.	...	650				
92	92	Total, Overseers ...	...	8,290	99,480	...	96,960	
		Carried over ...	...	...	...	...	...	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		Brought forward ...	Rs. ...	Rs. ...	Rs. ...	Rs. ...	Rs. ...	
		EXECUTIVE BRANCH —*cont.*						
		Upper Subordinate Establishment—*cont.*						
		Apprentices.						
2	3	Apprentice Overseers, 1st Grade.	51	153				
		Additional remuneration for two Apprentice Instructors.	50	100				
		Total, Apprentices ...	...	253	3,036	...	2,424	
		Sub-divisional allowance for 20 Upper Subordinates.	30	600	7,200	...	7,200	
187	188	Total, Upper Subordinate Establishment.	...	...	...	3,61,416	3,59,964 — 2,400	
							3,57,564	
		Lower Subordinate Establishment.						
12	13	Sub-Overseers, 1st Grade ...	50	650				
9	9	Do. 2nd „ ...	35	315				
8	8	Do. 3rd „ ...	25	200				
29	30	Total, Lower Subordinate Establishment.	...	1,165	13,980	13,980	13,380	
		Petty Establishment.						
		Store Establishment.						
1	1	Storekeeper	100	100				
1	1	Do.	50	50				
4	4	Storekeepers	30	120				
9	9	Do.	25	225				
6	7	Do.	20	140				
6	4	Do.	15	60				
1	1	Store Writer	25	25				
7	7	Store Watchers	7	49				
35	34	Total, Store Establishment.	...	769	9,228	...	9,348	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		Brought forward ...	Rs. ...	Rs. ...	Rs. ...	Rs. ...	Rs. ...	
		EXECUTIVE BRANCH —*cont.*						
		Assistant Engineers.						
32	32	Assistant Engineers, 1st Grade.	500	16,000				
8	8	Assistant Engineers, 2nd and 3rd Grades.	250 & 350	2,700				
		Military pay and allowances.	...	190				
40	40	Total, Assistant Engineers.	...	18,890	2,26,680	...	2,25,600	
91	91	Total, Engineer Establishment.	...	...	8,11,344	...	8,60,484	
		Deduct— On account of absentees ... 80,000	...	...	(a)80,000	...	50,000	(a) Increased by Rs. 30,000
		Net Total, Engineer Establishment.	...	...	...	7,31,344	8,10,484	
		Upper Subordinate Establishment.						
		Sub-Engineers.						
9	9	Sub-Engineers, 1st Grade...	400	3,600				
9	9	Do. 2nd „ ...	300	2,700				
17	17	Do. 3rd „ ...	250	4,250				
		Military pay and allowances including additional pay sanctioned for Messrs. Ottmann and Baker.	...	535				
35	35	Total, Sub-Engineers ...	...	11,085	1,33,020	...	1,32,780	
		Supervisors.						
22	22	Supervisors, 1st Grade ...	200	4,400				
36	36	Do. 2nd. „ ...	150	5,400				
		Military pay and allowances.	...	90				
58	58	Total, Supervisors ...	...	9,890	1,18,680	...	1,20,600	
		Overseers.						
35	39	Overseers, 1st Grade ...	100	3,900				
28	28	Do. 2nd „ ...	80	2,240				
29	25	Do. 3rd „ ...	60	1,500				
		Military pay and allowances.	...	650				
92	92	Total, Overseers ...	...	8,290	99,480	...	96,960	
		Carried over ...	...	...	...	...	...	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		Brought forward ...	Rs. ...	Rs. ...	Rs. ...	Rs. ...	Rs. ...	
		EXECUTIVE BRANCH —*cont.*						
		Upper Subordinate Establishment—*cont.*						
		Apprentices.						
2	3	Apprentice Overseers, 1st Grade.	51	153				
		Additional remuneration for two Apprentice Instructors.	50	100				
		Total, Apprentices ...	...	253	3,036	...	2,424	
		Sub-divisional allowance for 20 Upper Subordinates.	30	600	7,200	...	7,200	
187	188	Total, Upper Subordinate Establishment.	...	...	...	3,61,416	3,59,964 — 2,400	
							3,57,564	
		Lower Subordinate Establishment.						
12	13	Sub-Overseers, 1st Grade...	50	650				
9	9	Do. 2nd „ ...	35	315				
8	8	Do. 3rd „ ...	25	200				
29	30	Total, Lower Subordinate Establishment.	...	1,165	13,980	13,980	13,380	
		Petty Establishment.						
		Store Establishment.						
1	1	Storekeeper	100	100				
1	1	Do.	50	50				
4	4	Storekeepers	30	120				
9	9	Do.	25	225				
6	7	Do.	20	140				
6	4	Do.	15	60				
1	1	Store Writer	25	25				
7	7	Store Watchers	7	49				
35	34	Total, Store Establishment.	...	769	9,228	...	9,348	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		EXECUTIVE BRANCH —*cont.*						
		Workshop Establishment, (Presidency and Dowlaish-weram).						
...	1	Foreman, Mechanics ...	130	130				
...	1	Do. Carpenter ...	45	45				
...	1	Fitter	45	45				
...	1	Foundry	40	40				
1	1	Smith	40	40				
1	1	Engraver	30	30				
2	2	Gate-keeper	10	10				
2	2	Attenders	10	20				
		Boys	4	8				
6	11	Total, Workshop Petty Establishment.	...	368	4,416	...	816	
		Medical Establishment.						
1	...	Hospital Assistant ...	60	...				
2	2	Do. Assistants ...	55	110				
1	...	Do. Assistant ...	40	..				
2	2	Do. Assistants ...	35	70				
2	4	Do. do. ...	25	100				
		Charge allowance 2 at 25, 2 at 15 and 2 at 10.	...	100				
6	6	Hospital servants 1 at 7, 2 at 6, 2 at 5 and 1 at 4.	...	33				
14	14	Total, Medical Establishment.	...	413	4,956	...	5,496	
		Telegraph Establishment.						
1	1	Signaller	30	30				
2	2	Signallers	25	50				
4	4	Do.	20	80				
8	8	Do.	15	120				
12	12	Telegraph peons	6	72				
27	27	Total, Telegraph Establishment.	...	352	4,224	...	4,224	

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GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		EXECUTIVE BRANCH —*cont.*						
		Lascars, Sweepers, &c.						
500	500	Lascars	6	3,000				
5	5	Sweepers	2 at 5 & 3 at 4	22				
1	...	Keeper of the Chepâk Park.	35	...				
506	505	Total, Lascars, &c...	...	3,022	36,264	...	36,684	
		Irrigation Conservancy Establishment.						
		Godávari Delta System.						
1	1	Anicut Superintendent ...	150	150				
1	1	Do. Maistry	18	18				
1	1	Do. do.	15	15				
1	1	Do. do.	12	12				
3	3	Clerks	15	45				
1	1	Shroff	10	10				
3	3	Delta Superintendents ...	80	240				
2	2	Do. do. ...	70	140				
1	1	Do. Superintendent ...	60	60				
9	9	Do. Superintendents ...	55	495				
12	12	Do. do. ...	40	480				
5	5	Superintendents	8	40				
1	1	Peon	6	6				
3	3	Peons	5	15				
39	39	Lascars	6	234				
75	75	Do.	5	375				
158	158	Total, Water Regulation Establishment, Godávari Delta System.	...	2,335				
		Navigation Establishment.						
1	1	Boat Superintendent ...	75	75				
2	2	Lock Superintendents ...	15	30				
16	18	Do. do. ...	12	216				
20	20	Do. do. ...	10	200				
1	1	Do. Superintendent ...	9	9				
11	11	Do. Superintendents ...	8	88				
137	143	Do. do. ...	6	858				
77	79	Do. do. ...	5	395				
265	275	Total, Navigation Establishment, Godávari Delta System.	...	1,871	...	...	...	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		EXECUTIVE BRANCH —*cont.*	Rs.	Rs.	Rs.	Rs.	Rs.	
		Irrigation Conservancy Establishmet—*cont.*						
		Kistna Delta System.						
		Water Regulation Establishment.						
1	1	Anicut Superintendent ...	120	120				
1	1	Assistant do. ...	40	40				
1	1	Clerk, 5th Class, 1st Grade.	15—20	17½				
1	1	Irrigation Clerk, 5th Class, 1st Grade.	15—20	17½				
1	1	Do. do. 2nd Grade.	10—15	12½				
3	3	Delta Superintendents ...	70	210				
5	5	Do. ...	55	275				
6	6	Do. ...	40	240				
18	18	Lascars	8	144				
18	18	Do.	7	126				
30	30	Do.	6	180				
27	27	Do.	5	135				
112	112	Total, Water Regulation Establishment, Kistna District.	...	1517½				
		Navigation Establishment.						
3	3	Lock Superintendents ...	15	45				
8	8	Do. ...	12	96				
12	12	Do. ...	10	120				
15	15	Do. ...	8	120				
17	17	Do. ...	7	119				
24	24	Do. ...	6	144				
27	27	Do. ...	5	135				
2	2	Traffic Clerks	12	24				
1	1	Boat Clerk, 5th Class, 1st Grade.	15—20	17½				
109	109	Total, Navigation Establishment, Kistna Delta System.	...	820½				
		Pennér Anicut System.						
		Water Regulation Establishment.						
1	1	Delta Superintendent ...	70	70				
1	1	Anicut do. ...	60	60				
1	1	Clerk	15	15				
		Carried over ...						

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GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		Brought forward ...	Rs. ...	Rs. ...	Rs. ...	Rs. ...	Rs. ...	
		EXECUTIVE BRANCH —*cont.*						
		Irrigation Conservancy Establishmet—*cont.*						
		Pennér Anicut System—cont.						
		Water Regulation Establishment—cont.						
1	1	Clerk	10	10				
1	1	Lascar	7	7				
17	17	Lascars	6	102				
4	4	Do.	5	20				
26	26	Total, Water Regulation Establishment, Pennér Anicut System.	...	284				
		Cauvery Delta System.						
	1	Superintendent	75	75				
...	1	Do.	50	50				
1	1	Do.	30	30				
1	1	Do.	25	25				
...	1	Assistant Superintendent...	25	60				
3	3	Superintendents	20	135				
9	9	Do.	15	...				
1	...	Superintendent	12	40				
3	4	Superintendents	10	8				
1	1	Superintendent	8	24				
...	3	Lascars	8	119				
8	17	Do.	7	234				
31	39	Do.	6	445				
83	89	Do.	5	5				
...	1	Sweeper	5	124				
31	31	Lascars	4					
173	202	Total, Water Regulation Establishment, Cauvery Delta System.	...	1,399				
		Navigation Establishment.						
1	1	Lascar	7	7				
1	1	Do.	5	5				
2	2	Total, Navigation Establishment, Cauvery Delta System.	...	12				

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		EXECUTIVE BRANCH —*cont.*	Rs.	Rs.	Rs.	Rs.	Rs.	
		Irrigation Conservancy Establishment —*cont.*						
		Srivaikuntham Anicut System.						
		Water Regulation Establishment.						
2	2	Superintendents	30	60				
1	1	Superintendent	12	12				
21	21	Lascars	5	105				
24	24	Total, Water Regulation Establishment, Srivaikuntham Anicut System.	...	177				
		Chembrambakam Tank.						
		Water Regulation Establishment.						
1	1	Superintendent	12	12				
1	1	Do.	10½	10½				
2	2	Lascars	6	12				
5	5	Do.	5	25				
9	9	Total, Water Regulation Establishment, Chembrambakam Tank.	...	59½				
		Madras Water-supply and Irrigation Project.						
1	1	Superintendent	25	25				
1	1	Do.	15	15				
4	4	Lascars	7	28				
2	2	Do.	6	12				
4	4	Do.	5	20				
12	12	Total, Madras Water-supply and Irrigation Project.	...	100				
		Pálár Anicut System.						
		Water Regulation Establishment, Chinglepat District.						
1	1	Maistry	20	20				
2	2	Lascars	6	12				
12	12	Do.	4	48				
		Carried over ...	...	80				

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GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		Brought forward ...	Rs. ...	Rs. 80	Rs. ...	Rs. ...	Rs. ...	
		EXECUTIVE BRANCH —*cont.*						
		Irrigation Conservancy Establishment—*cont.*						
		North Arcot District.						
1	1	Superintendent	25	25				
1	1	Do.	15	15				
3	3	Superintendents	12	36				
20	20	Do.	5	100				
			...	176				
40	40	Total, Water Regulation Establishment, Pálár Anicut System.	...	256				
		Pelandorai Anicut System.						
		Water Regulation Establishment.						
1	1	Superintendent	30	30				
1	1	Lascar	8	8				
2	2	Lascars	6	12				
7	7	Do.	5	35				
11	11	Total, Water Regulation Establishment, Pelandorai Anicut System.	...	85				
		Irrigation and Navigation Works for which neither Capital nor Revenue Accounts are kept.						
		Water Regulation Establishment, Ganjam District.						
3	4	Lascars	7	28				
...	1	Lascar	6	6				
14	10	Lascars	4	40				
1	1	Lascar	3½	3½				
18	16	Total, Water Regulation Establishment, Ganjam District.	...	77½				

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		EXECUTIVE BRANCH —*cont.*						
		Irrigation and Navigation Works for which neither Capital nor Revenue Accounts are kept—*cont.*						
		Water Regulation Establishment—cont.						
		North Arcot District.						
1	1	Superintendent			27	27		
2	2	Superintendents			20	40		
1	1	Superintendent			12	12		
1	1	Do.			10	10		
5	5	Lascars			6	30		
15	15	Do.			5	75		
25	25	Total, Water Regulation Establishment, North Arcot District.		...		194		
		Coimbatore District.						
1	1	Superintendent			5	5		
4	4	Lascars			2½	10		
5	5	Total, Water Regulation Establishment, Coimbatore District.		...		15		
		Malabar District.						
1	1	Watchman			4	4		
1	1	Do.			3	3		
		Additional amount sanctioned.		...		11½		
2	2	Total, Water Regulation Establishment, Malabar District.		...		18½		
		Tanjore District.						
1	1	Superintendent			50	50		
2	2	Lascars			6	12		
6	6	Do.			5	30		
9	9	Total, Water Regulation Establishment, Tanjore District.		...		92		

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GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		EXECUTIVE BRANCH —*cont.*						
		Irrigation and Navigation Works for which neither Capital nor Revenue Accounts are kept—*cont.*						
		Water Regulation Establishment—cont.						
		Vizagapatam District.						
3	3	Superintendents	12	36				
13	13	Lascars	5	65				
16	16	Total, Water Regulation Establishment, Vizagapatam District.	...			101		
		Godávari District.						
1	1	Lascar	9	9				
1	1	Do.	7	7				
2	2	Total, Water Regulation Establishment, Godávari District.	...			16		
		Chingleput District.						
1	1	Superintendent	10½	10½				
1	1	Lascar	6	6				
1	1	Do.	5	5				
3	3	Total, Water Regulation Establishment, Chingleput District.	...			21½		
		South Arcot District.						
1	1	Superintendent	40	40				
2	2	Superintendents	35	70				
1	1	Superintendent	25	25				
2	2	Superintendents	20	40				
10	10	Lascars	8	80				
9	9	Do.	6	54				
32	32	Do.	5	160				
57	57	Total, Water Regulation Establishment, South Arcot District.	...			469		

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		EXECUTIVE BRANCH —*cont.*						
		Irrigation and Navigation Works for which neither Capital nor Revenue Accounts are kept—*cont.*						
		Water Regulation Establishment—cont.						
		Trichinopoly District.						
1	1	Superintendent	15	15				
1	1	Do.	12	12				
2	2	Superintendents	10	20				
1	1	Lascar	6	6				
5	5	Lascars	5	25				
18	18	Do.	4	72				
4	4	Do.	3	12				
32	32	Total, Water Regulation Establishment, Trichinopoly District.	...	162				
		Madura District.						
4	4	Lascars	4	16				
4	4	Total, Water Regulation Establishment, Madura District.	...	16				
		Tinnevelly District.						
1	1	Superintendent	45	45				
2	2	Superintendents	35	70				
4	4	Do.	30	120				
8	8	Lascars	8	64				
24	24	Do.	6	144				
25	25	Do.	5	125				
64	64	Total, Water Regulation Establishment, Tinnevelly District.	...	568				
		Navigation Establishment.						
		South Arcot District.						
1	1	Superintendent	15	15				
1	1	Do.	10	10				
		Carried over ...	...	...				

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GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		Brought forward ...	Rs. ...	Rs. ...	Rs. ...	Rs. ...	Rs. ...	
		EXECUTIVE BRANCH —*cont.*						
		Navigation Establishment—*cont.*						
		South Arcot District—cont.						
1	1	Lascar	8	8				
7	7	Lascars	5	35				
10	10	Total, Navigation Establishment, South Arcot District.	...	68				
		Agricultural Works, River Conservancy Establishment.						
		Godávari District.						
2	2	Superintendents	15	30				
8	8	Lascars	6	48				
10	10	Total, River Conservancy Establishment, Godávari District.	...	78				
		South Arcot District.						
1	1	Sluice-keeper						
3	3	Lascars	8	8				
6	6	Do.	8	24				
10	10	Total, River Conservancy Establishment, South Arcot District.	5 ...	30 62				
		Trichinopoly District.						
2	2	Lascars	7	14				
20	20	Do.	4	80				
4	4	Do.	3	12				
10	10	Do.	2½	25				
36	36	Total, River Conservancy Establishment, Trichinopoly District.	...	131				

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		EXECUTIVE BRANCH —*cont.*	Rs.	Rs.	Rs.	Rs.	Rs.	
		Agricultural Works, River Conservancy Establishment—*cont.*						
		Tinnevelly District.						
1	1	Lascar						
4	4	Lascars		7	7			
5	5	Total, River Conservancy Establishment, Tinnevelly District.		2	8			
			...		15			
		Conservancy Establishment, Kurnool Canal.						
3	3	Irrigation Superintendents.	65,55&45		165			
4	4	Anicut do.	1 at 25 1 at 20 2 at 15		75			
16	16	Head Lascars		8	80			
15	15	Do.		7	105			
17	17	Lascars		6	102			
13	13	Do.		5	65			
3	3	Lascars for three Irrigation Superintendents.		6	18			
65	65	Total, Irrigation, Kurnool Canal.						
			...		610			
		Navigation Establishment.						
7	7	Lock Superintendents						
15	15	Do. ...		12	84			
20	20	Do. ...		10	150			
42	42	Total, Navigation Establishment, Kurnool Canal.		8	160			
			...		394			
107	107	Total, Irrigation and Navigation Establishment, Kurnool Canal.						
			...		1,004			
		Conservancy Establishment.						
		Sangam Project.						
1	...	Anicut Superintendent						
...	1	Do. do. ...	60—80		...			
1	1	Delta do. ...		60	60			
		Channel do. ...		60	60			
				40	40			
		Carried over ...	...	...	...	...	...	...

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GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		Brought forward ...	Rs. ...	Rs. ...	Rs. ...	Rs. ...	Rs. ...	
		EXECUTIVE BRANCH —*cont.*						
		Conservancy Establishment—*cont.*						
		Sangam Project—cont.						
1	...	Channel Superintendent ...	30		...			
...	1	Do. do. ...	25		25			
1	...	Tank do. ...	40—60		...			
1	...	Clerk	15		...			
...	2	Clerks, 5th Class, 1st Grade.	15—20		35			
...	2	Do. 5th „ 2nd „	10—15		25			
...	1	Tank Superintendent ...	15		15			
4	2	Lascars	8		16			
4	5	Do.	7		35			
16	20	Do.	6		120			
29	36	Total, Conservancy Establishment, Sangam Project.	...		431			
		Grand Total, Conservancy Establishment.	...	12,456	1,49,472	...	1,44,612	
		Total, Petty Establishment.	...	...	2,08,560	2,08,560	2,01,180	
		Office Establishment.						
		For Chief Engineer and Secretary to Government, Public Works Department.						
1	1	Chief Assistant	600		600			
1	1	Second do.	300		300			
2	2	Clerks, 1st Class, 3rd Grade.	200—250		450			
1	1	Clerk, 2nd „ 1st „	160—200		180			
1	1	Do. 2nd „ 2nd „	120—160		140			
1	1	Do. 2nd „ 3rd „	100—120		110			
4	4	Clerks, 3rd „ 2nd „	60—80		280			
5	5	Do. 3rd „ 3rd „	50—60		275			
3	3	Do. 4th „ 1st „	40—50		135			
3	3	Do. 4th „ 2nd „	30—40		105			
3	3	Do. 4th „ 3rd „	20—30		75			
1	1	Draftsman, Special ...	200—250		225			
1	1	Do. 1st Class ...	50—70		60			
3	3	Attenders	15,13&10		38			
1	1	Muchi	14		14			
1	1	Do.	12		12			
		Carried over ...	...	...	...	...	...	...

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		Brought forward ...	Rs. ...	Rs. ...	Rs. ...	Rs. ...	Rs. ...	
		EXECUTIVE BRANCH —*cont.*						
		Office Establishment —*cont.*						
		For Chief Engineer and Secretary to Government, Public Works Department—cont.						
1	1	Press Messenger	10	10				
1	1	Duffadar	12	12				
5	5	Head Peon	10	10				
2	2	Peons, 1st Class	8	40				
		Do. 2nd ,, ...	7	14				
42	42	Total, Public Works Secretariat Office Establishment.	...	3,085	37,020	...	37,020	
		For Chief Engineer and Joint Secretary to Government, Irrigation Branch.						
2	2	Clerks, 1st Class, 3rd Grade.	200—250	450				
2	2	Clerk, 2nd ,, 3rd ,, ...	100—120	110				
2	2	Clerks, 3rd ,, 1st ,, ...	80—100	180				
1	1	Do. 3rd ,, 2nd ,, ...	60— 80	140				
3	3	Clerk, 3rd ,, 3rd ,, ...	50— 60	55				
3	3	Clerks, 4th ,, 1st ,, ...	40— 50	135				
1	1	Do. 4th ,, 2nd ,, ...	30— 40	105				
1	1	Clerk, 4th ,, 3rd ,, ...	20— 30	25				
2	2	Draftsman, 1st Class ...	50— 70	60				
2	2	Draftsmen, 2nd ,, ...	35— 50	85				
1	1	Do. 3rd ,, ...	20— 30	50				
1	1	Reference Picker		15	15			
1	1	Do. do.		12	12			
1	1	Machi		12	12			
1	1	Duffadar		10	10			
1	1	Head Peon		8	8			
2	2	Messenger		8	8			
3	3	Messengers		7	14			
		Lascars		7	21			
31	31	Total, Office Establishment for Chief Engineer for Irrigation.	...	1,495	17,940	...	17,940	

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GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		EXECUTIVE BRANCH —*cont.*						
		Office Establishment —*cont.*						
		For Six Superintending Engineers' Offices.						
1	1	Clerk, 2nd Class, 1st Grade.	160—200	180				
1	1	Do. 2nd ,, 3rd ,,	100—120	110				
1	1	Do. 3rd ,, 3rd ,,	50— 60	55				
1	1	Do. 4th ,, 1st ,,	40— 50	45				
1	1	Do. 4th ,, 2nd ,,	30— 40	35				
2	2	Clerks, 4th ,, 3rd ,,	20— 30	50				
1	1	Draftsman, Special ...	80—100	90				
1	1	Do. 1st Class ...	50— 70	60				
1	1	Do. 2nd ,, ...	35— 50	42½				
1	1	Messenger		8	8			
3	3	Messengers		6	18			
14	14	Total for each office ...	...		693½			
6	6		...		6			
84	84	Total for six offices ...	...	4,161	49,932	...	49,932	
		For Presidency Division.						
1	1	Clerk, 3rd Class, 2nd Grade.	60—80	70				
1	1	Do. 4th ,, 1st ,,	40—50	45				
2	2	Clerks, 4th ,, 2nd ,,	30—40	70				
3	3	Do. 4th ,, 3rd ,,	20—30	75				
2	2	Do. 5th ,, 1st ,,	15—20	35				
1	1	Cashier (Clerk, 3rd Class, 2nd Grade).	60—80	70				
1	1	Draftsman, 1st Class ...	50—70	60				
1	1	Do. 2nd ,, ...	35—50	42½				
3	3	Draftsmen, 3rd ,, ...	20—30	75				
1	1	Messenger		7	7			
1	1	Do.		6	6			
17	17	Total, Office Establishment, Presidency Division.	...		555½	6,666	...	6,666
		For Godávari Eastern Division.						
1	1	Clerk, 3rd Class, 2nd Grade.	60—80	70				
2	2	Clerks, 4th ,, 1st ,,	40—50	90				
1	1	Clerk, 4th ,, 2nd ,,	30—40	35				
		Carried over ...	...	...	...	...	...	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		Brought forward ...	Rs. ...	Rs. ...	Rs. ...	Rs. ...	Rs. ...	
		EXECUTIVE BRANCH —*cont.*						
		Office Establishment —*cont.*						
		For Godávari Eastern Division—cont.						
1	1	Cashier (Clerk, 4th Class, 2nd Grade).	30—40	35				
3	3	Clerks, 4th Class, 3rd Grade	20—30	75				
1	1	Draftsman, 1st Class ...	50—70	60				
1	1	Do. 3rd „ ...	20—30	25				
1	1	Messenger		7	7			
1	1	Do.		6	6			
12	12	Total, Office Establishment, Godávari Eastern Division.	...	403	4,836	...	4,836	
		For Kistna Eastern Division.						
1	1	Clerk, 3rd Class, 2nd Grade.	60—80	70				
1	1	Do. 4th „ 1st „	40—50	45				
3	3	Do. 4th „ 2nd „	30—40	35				
1	1	Clerks, 4th „ 3rd „	20—30	75				
		Cashier (Clerk, 4th Class, 3rd Grade).	20—30	25				
1	1	Draftsman, 1st Class ...	50—70	60				
1	1	Do. 3rd „ ...	20—30	25				
1	1	Messenger		7	7			
1	1	Do.		6	6			
11	11	Total, Office Establishment, Kistna Eastern Division.	...	348	4,176	...	4,176	
		For Eight First-class Divisions. (*a*)						
1	1	Clerk, 3rd Class, 2nd Grade.	60—80	70				
1	1	Do. 4th „ 1st „	40—50	45				
2	2	Do. 4th „ 2nd „	30—40	35				
1	1	Clerks, 4th „ 3rd „	20—30	50				
1	1	Draftsman, 1st Class ...	50—70	60				
1	1	Do. 3rd „ ...	20—30	25				
1	1	Messenger		7	7			
1	1	Do.		6	6			
9	9	Total for each office ...	...	298	...	...	...	
8	8			8				
72	72	Total for eight offices ...	...	2,384	28,608	...	28,608	

(*a*) 1. Godávari Western division.
2. Kistna Western division.
3. South Arcot division.
4. Buckingham Canal division.
5. Tanjore division.
6. Tinnevelly division.
7. Coimbatore division.
8. West Coast division.

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GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		EXECUTIVE BRANCH —*cont.*	Rs.	Rs.	Rs.	Rs. ...	Rs. ...	
		Office Establishment —*cont.*						
		For Kurnool Division.						
1	1	Clerk, 3rd Class, 2nd Grade.	60—80	70				
1	1	Do. 3rd „ 3rd „	50—60	55				
1	1	Do. 4th „ 1st „	40—50	45				
2	2	Clerks, 4th „ 2nd „	30—40	70				
2	2	Do. 4th „ 3rd „	20—30	50				
1	1	Draftsman, 1st Class ...	50—70	60				
1	1	Do. 2nd „ ...	35—50	42½				
1	1	Do. 3rd „ ...	20—30	25				
2	2	Messengers		7	14			
1	1	Messenger		6	6			
13	13	Total, Office Establishment, Kurnool Division.	...	437½	5,250	...	5,250	
		For Eight Second-class Divisions. (*b*)						
1	1	Clerk, 3rd Class, 2nd Grade.	60—80	70				
1	1	Do. 4th „ 2nd „	30—40	35				
2	2	Clerks, 4th „ 3rd „	20—30	50				
1	1	Draftsman, 1st Class ...	50—70	60				
1	1	Do. 3rd „ ...	20—30	25				
1	1	Messenger		7	7			
1	1	Do.		6	6			
8	8	Total for each office ...	...	253	...	...	...	
7	8			8				
56	64	Total for eight offices ...	..	2,024	...	...	...	
1	1	*Add*— Cashier (Clerk, 4th Class, 1st Grade) for Sangam Project.	40—50	45				
1	1	Clerk, 4th Class, 3rd Grade, for North Arcot division.	20—30	25				
		Difference of pay between a 2nd Class Draftsman and 3rd Class for Sangam division.	...	17½				
58	66	Total for eight offices ...	...	2,111½	25,338	...	22,302	

(*a*) 1. Nellore division.
2. Cuddapah do.
3. North Arcot do.
4. Chingleput do.
5. Trichinopoly do.
6. Negapatam do.
7. Sangam Project division.
8. Madura division.

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		EXECUTIVE BRANCH —*cont.*	...	...	...	...	...	
		Office Establishment —*cont.*						
		For Nilgiri Division.						
1	1	Clerk, 3rd Class, 1st Grade.	80—100	90				
1	1	Do. 3rd „ 2nd „	60— 80	70				
2	2	Clerks, 4th „ 3rd „	50— 60	55				
1	1	Draftsman (Special) „ 1st „	40— 50	90				
1	1	Do.	100—120	110				
1	1	Messenger	70— 80	75				
1	1	Do.	10	10				
			9	9				
9	9	Total, Office Establishment, Nilgiri Division.	...	509	6,108	...	6,108	
		For Three Third-class Divisions. (a)						(a) 1. Ganjam. 2. Vizagapatam. 3. Bellary.
1	1	Clerk, 3rd Class, 3rd Grade.	50—60	55				
1	1	Do. 4th „ 2nd „	30—40	35				
2	2	Clerks, 4th „ 3rd „	20—30	50				
1	1	Draftsman, 2nd Class ...	35—50	42½				
1	1	Do. 3rd „ ...	20—30	25				
1	1	Messenger	7	7				
1	1	Do.	6	6				
8	8	Total for each office ...	...	220½				
4	3		...	3				
32	24	Total for three offices ...	...	661½				
		Add—						
1	1	Clerk, 4th Class, 3rd Grade, for Bellary division.	20—30	25				
33	25	Total for three offices ...	...	686½	8,238	...	10,884	

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GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		EXECUTIVE BRANCH —*cont.*						
		Office Establishment —*cont.*						
		Office Establishment of the Consulting Architect to Government.						
1	1	Clerk, 1st Class, 3rd Grade.	200—250	225				
1	1	Do. 4th „ 1st „	40— 50	45				
2	2	Clerks, 4th „ 3rd „	20— 30	50				
1	1	Clerk, 5th „ 1st „	15— 20	17½				
1	1	Draftsman, 1st Class ...	50— 70	60				
1	1	Do. 2nd „ ...	35— 50	42½				
2	2	Draftsmen, 3rd „ ...	20— 30	50				
1	1	Messenger	7	7				
2	2	Messengers	6	6				
11	11	Total, Office Establishment for Consulting Architect to Government.	...	503	6,036	...	6,036	
		For Public Works Stores.						
1	1	Storekeeper	300	300				
1	1	Store Clerk, 3rd Class, 2nd Grade.	60—80	70				
1	1	Do. 4th Class, 2nd Grade.	30—40	35				
1	1	Do. 4th „ 3rd „	20—30	25				
1	1	Messenger	8	8				
2	2	Messengers	7	14				
2	2	Do.	6½	13				
9	9	Total, Office Establishment, Public Works Stores.	...	465	5,580	...	5,580	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		EXECUTIVE BRANCH —*cont.*	Rs.	Rs.	Rs.	Rs.	Rs.	
		Office Establishment —*cont.*						
		For Public Works Workshops, Presidency.						
1	1	Clerk, 3rd Class, 2nd Grade.	60—80	70				
1	1	Do. 3rd " 3rd "	50—60	55				
1	1	Do. 4th " 1st "	40—50	45				
4	4	Clerks, 5th " 3rd "	20—30	25				
1	1	Clerk, 5th " 1st "	15—20	70				
1	1	Draftsman, 1st Class	10—15	12½				
1	1	Do. 2nd "	50—70	60				
4	4	Messengers	35—50	42½				
			7	28				
15	15	Total, Office Establishment, Presidency Workshops.	...	408	4,898	...	4,896	
		For Public Works Workshops, Dowlaishweram.						
...	1	Clerk, 3rd Class, 3rd Grade.	50—60	55				
...	1	Do. 4th " 2nd "	30—40	35				
...	3	Clerks, 4th " 3rd "	20—30	75				
...	1	Clerk, 5th " 1st "	15—20	17½				
...	1	Duffadar	9	9				
...	5	Gate Peons	6	30				
...	1	Office Peon	6	6				
...	4	Store Peons	6	24				
...	17	Total, Office Establishment, Public Works Workshops, Dowlaishweram.	...	251½	3,018	...	...	
		Office (Toll) Establishment, Buckingham Canal.						
1	1	Wharf Superintendent ...	50	50				
2	2	Clerks, 5th Class, 1st Grade.	15—20	35				
2	2	Toll-keepers	15	30				
1	1	Wharf Clerks	17½	35				
1	1	Clerk, 4th Class, 3rd Grade.	20—30	25				
1	1	Assistant Toll-keeper ...	10—15	12½				
4	4	Shroff	8	8				
12	12	Lascars	7	28				
		Do.	6	72				
26	26	Total, Office (Toll) Establishment, Buckingham Canal.	...	295½	3,543	...	3,516	

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GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		EXECUTIVE BRANCH —*cont.*						
		Office Establishment —*cont.*						
		For Project Divisions.						
16	...		...	...	...	...	6,492	
		For Sixty-four Sub-divisional Offices.						
1	1	Clerk, 4th Class, 3rd Grade.	20—30	25				
1	1	Messenger	6	6				
2	2	Total for each office ...	...	31				
64	64		...	64				
128	128	Total for sixty-four Sub-divisional offices.	...	1,984				
		For Two Sub-divisional Offices in Nilgiri Division.						
1	1	Clerk, 4th Class, 2nd Grade.	30—40	35				
1	1	Messenger	9	9				
2	2	Total for each office ...	...	44				
4	4	Total for two offices ...	...	88				
132	132	Total for Sub-divisional offices.	...	2,072	24,864	...	24,864	
		For Seventy-five Detached Officers.						
1	1	Clerk, 4th Class, 3rd Grade.	20—30	25				
1	1	Total for each Detached Officer.	...	25				
75	75		...	75				
75	75	Total for seventy-five Detached Officers.	...	1,875	22,500	...	22,500	
		For Ninety-two Overseers.						
1	1	Clerk, 5th Class, 1st Grade.	15—20	17½				
1	1	Total for each Overseer ...	...	17½				
92	92		...	92				
92	92	Total for ninty-two Overseers.	...	1,610	19,320	...	19,320	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		EXECUTIVE BRANCH —*cont.*	Rs.	Rs.	Rs.	Rs.	Rs.	
		Office Establishment —*cont.*						
		Abstract of Office Establishment.						
42	42	Public Works Department Secretariat.	...	...	37,020	...	37,020	
31	31	Office of Chief Engineer for Irrigation.	...	...	17,940	...	17,940	
84	84	Six Superintending Engineers' offices.	...	...	49,932	...	49,932	
17	17	Presidency Division office.	...	...	6,666	...	6,666	
12	12	Godávari Eastern Division.	...	...	4,836	...	4,836	
11	11	Kistna Eastern Division ...	...	...	4,176	...	4,176	
85	85	Nine First-class Divisions including Kurnool.	...	...	33,858	...	33,858	
58	66	Eight Second-class Divisions	...	...	25,338	...	22,302	
9	9	Nilgiri Division	...	...	6,108	...	6,108	
33	25	Three Third-class Divisions	...	...	8,238	...	10,884	
11	11	Consulting Architect to Government.	...	...	6,036	...	6,036	
9	9	Public Works Stores ...	...	...	5,580	...	5,580	
15	32	Public Works Workshops, Presidency and Dowlaishweram.	...	...	7,914	...	4,896	
26	26	Toll Establishment, Buckingham Canal.	...	...	3,546	...	3,546	
16	...	Project Divisions ...	...	...	...	...	6,492	
132	132	Sub-divisional offices ...	...	...	24,864	...	24,864	
75	75	Detached officers	...	...	22,500	...	22,500	
92	92	Overseers	...	...	19,320	...	19,320	
758	759		...	...	2,83,872	2,83,872	2,86,956	
		Temporary Establishment.	...	...	~~28,998~~	~~25,944~~	3,00,000	
		Local Allowances.						
		Upper Godávari allowances.	...	30	360	...	...	
		Wynaad allowances ...	...	...	4,000	...	...	
		Potinghy Ghât allowances.	...	...	7,200	...	...	
		Presidency house-rent ...	...	...	4,800	...	...	
		Do. allowance ...	...	...	9,000	...	...	
		Total, Local Allowances ...	...	...	25,360	25,360	31,740	
		Total Salaries ...	...	...	...	~~16,94,539~~ 17,13,547	20,01,304	
		Travelling allowances ...	...	...	...	†1,81,796	2,40,000	

* No provision can be made under this head owing to the present state of finance.

† Reduced by Rs. 58,204, being the share of travelling allowances on account of temporary establishment for which no provision is made.

PROVINCIAL SERVICES.
PUBLIC WORKS BUDGET-ESTIMATE. 116636/60 MADRAS.

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		EXECUTIVE BRANCH —*cont.*	Rs.	Rs.	Rs.	Rs.	Rs.	
		Contingencies inclusive of Postage.						
		Public Works Department Secretariat office ... Rs. 500						
		Office of Chief Engineer for Irrigation. 150						
		6 Superintending Engineers' offices at Rs. 100. 600						
		27 Divisional offices .. 2,700						
		2 Workshops. 100						
		3,400						
		4,050	...	4,050	48,600	48,600	48,600	19,37,470
		Total ...	...	...	...	~~18,54,928~~	22,89,904	
		ACCOUNTS BRANCH.						
...	1	Examiner, 1st Class ...	1,600	1,600				
1	...	Do. 2nd „ ...	1,350	...				
1	2	Dy. Examiners, 1st Grade.	600 & 550	1,150				
1	...	Dy. Examiner, 2nd „	500	..				
...	1	Assistant Examiner ...	400	400				
3	4	Total, Examiners ...	...	3,150	37,800	...	28,800	
		Accountants.						
2	2	Accountants, 1st Grade ...	350—450	800				18.00
3	3	Do. 2nd „ ...	250—340	885				
8	8	Do. 3rd „ ...	160—240	1,600				15,552/2
18	17	Do. 4th „ ...	80—150	1,955				
30	29	Do. 5th „ ...	40— 75	~~1,667~~				
61	59	Total, Accountants ...	...	6,007	82,890	...	84,960	
		Office Establishment.						
1	1	Clerk, 2nd Class, 2nd Grade	120—160	140				
1	1	Do. 3rd „ 1st „	80—100	90				
4	4	Clerks, 3rd „ 2nd „	60— 80	280				
7	7	Do. 3rd „ 3rd „	50— 60	385				
6	6	Do. 4th „ 1st „	40— 50	270				
10	10	Do. 4th „ 2nd „	30— 40	350				
18	18	Do. 4th „ 3rd „	20— 30	450				
16	16	Do. 5th „ 1st „	15— 20	280				
2	...	Do. 5th „ 2nd „	10— 15	...				
65	63	Total, Clerks ...	....	2,245	...	...	...	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		ACCOUNTS BRANCH —*cont.*	Rs.	Rs.	Rs.	Rs.	Rs.	
		Menial Servants.						
...	1	Attender	12	12				
...	1	Do.	10	10				
1	1	Muchi	12	12				
1	1	Do.	10	10				
1	1	Do.	8	8				
1	1	Attender	5	5				
1	1	Head Messenger	10	10				
4	4	Do.	8	8				
6	6	Messengers	7	28				
2	2	Do.	6	36				
		Rollers	5	10				
18	20	Total, Menial Servants ...	...	149	...	...	...	
83	83	Total, Office Establishment.	...	2,394	28,728	...	28,764	
		Local and Charge Allowances.						
		Presidency house-rent ...	...	400				
		Do. allowance ...	...	1,000				
		Charge allowance for 20 Accountants, 5th Grade.	20	400				
		Total, Local and Charge Allowances.	...	1,800	21,600	...	25,200	
		Total Salaries	...	...	...	1,71,015	1,68,724	
		Travelling allowances ...	...	...	...	3,000	3,600	
		Contingencies	...	...	...	3,000	4,800	
		Grand Total ...	...	...	...	1,77,018	1,77,124	
		Deduct—						
		Contributions as follows:						
		~~Madras Harbour Works— 1 Accountant, 4th Grade~~	~~161~~					
		Coorg 1 Accountant, 3rd Grade.	200					
			~~361~~ 200	~~1,332~~	...	...	...	
		Contribution on account of audit for Coorg ~~and Harbour Works.~~	...	~~7,000~~	...	...	...	
			...	~~11,332~~	...	~~11,332~~	7,872	
			...	...	...	1,65,686	1,69,252	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		ACCOUNTS BRANCH —*cont.*	Rs.	Rs.	Rs.	Rs.	Rs.	
		Abstract.						
		Executive Branch	...	...	~~1,65,686~~	...	22,89,904	
		Accounts do.	...	...	~~1,65,686~~	...	1,69,252	
		Grand Total, Public Works Department Establishment.	...	...	~~20,26,611~~	...	24,59,156	

PROVINCIAL SERVICES
PUBLIC WORKS BUDGET-ES IMATE.

MADRAS

GOVERNMENT OF MADRAS.

PART III—concluded.

ABSTRACT OF THE FOREGOING PROVISION FOR ESTABLISHMENT.

Number. 1886-87	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Total, Public Works Establishment.	...	...	~~20,20,614~~ 21,09,605	~~20,20,614~~ 22,09,605	24,59,156	
		Deduct Contributions.						
		Wards Works	...	...	60,000			
		Imperial Military	...	...	~~1,03,000~~ 1,03,030			
		Imperial Civil Works ...	...	...	6,200			
		Incorporated Local Funds ...	...	...	~~47,487~~ 46,897			
		Excluded Local Funds ...	...	...	...			
		35. Famine Relief and Insurance.						
		Construction of Protective Irrigation Works.	...	...	46,000			
		42. Irrigation Major Works (Working Expenses).	...	...	3,67,720			
		~~43. Irrigation Minor Works and Navigation.~~	...	...	~~1,60,650~~ 193,585			
		48. Capital Expenditure on Public Works (not charged against Revenue) Irrigation.	...	...	~~1,02,577~~ 1,35,618			
42		Provincial Irrigation Minor Works and Navigation.	...	...	~~83,200~~	~~14,57,685~~ 13,70,614	16,35,424	
		Balance debitable to Provincial.	...	...	...	6,50,000	8,23,732	

APPENDIX A.

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MADRAS.

PROVINCIAL SERVICES.
PUBLIC WORKS BUDGET-ESTIMATE.

GOVERNMENT OF MADRAS.

PART III.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT UNDER PROVINCIAL SERVICES IN THE MADRAS PRESIDENCY FOR 1887-88.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		EXECUTIVE BRANCH.						
		Engineer Establishment.						
		Chief Engineers.						
1	1	Chief Engineer, 1st Class, and Secretary to Government, Public Works Department.	2,500	2,500				
1	1	Chief Engineer, 2nd Class, and Joint Secretary to Government, Irrigation Branch.	2,000	2,000				
		Military pay and allowances	...	445				
2	2	Total, Chief Engineers ...	...	4,945	59,340	...	59,832	
		Superintending Engineers.						
2	2	Superintending Engineers, 1st Class.	1,600	3,200				
2	2	Superintending Engineers, 2nd Class.	1,350	2,700				
2	2	Superintending Engineers, 3rd Class.	1,100	2,200				
		Military pay and allowances	...	1,209				
6	6	Total, Superintending Engineers.	...	9,309	1,11,708	...	1,23,672	
		Executive Engineers.						
11	11	Executive Engineers, 1st Grade.	950	10,450				
11	11	Executive Engineers, 2nd Grade.	800	8,800				
13	13	Executive Engineers, 3rd Grade.	700	9,100				
6	6	Executive Engineers, 4th Grade.	600	3,600				
		Military pay and allowances.	...	2,518				
41	41	Total, Executive Engineers.	...	34,468	4,13,616	...	4,51,380	
		Carried over ...	...	...	...	...	...	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		Brought forward ...	Rs. ...	Rs. ...	Rs. ...	Rs. ...	Rs. ...	
		EXECUTIVE BRANCH —*cont.*						
		Assistant Engineers.						
32	32	Assistant Engineers, 1st Grade.	500	16,000				
8	8	Assistant Engineers, 2nd and 3rd Grades.	250 & 350	2,700				
		Military pay and allowances.	...	190				
40	40	Total, Assistant Engineers.	...	18,890	2,26,680	...	2,25,600	
91	91	Total, Engineer Establishment.	...	...	8,11,344	...	8,60,484	
		Deduct—						
		On account of absentees ...	Rs. 80,000	...	...	(a)80,000	...	50,000
		Net Total, Engineer Establishment.	...	...	...	7,31,344	8,10,484	
		Upper Subordinate Establishment.						
		Sub-Engineers.						
9	9	Sub-Engineers, 1st Grade ...	400	3,600				
9	9	Do. 2nd „ ...	300	2,700				
17	17	Do. 3rd „ ...	250	4,250				
		Military pay and allowances including additional pay sanctioned for Messrs. Ottmann and Baker.	...	535				
35	35	Total, Sub-Engineers ...	...	11,085	1,33,020	...	1,32,780	
		Supervisors.						
22	22	Supervisors, 1st Grade ...	200	4,100				
36	36	Do. 2nd „ ...	150	5,400				
		Military pay and allowances.	...	90				
58	58	Total, Supervisors ...	...	9,890	1,18,680	...	1,20,600	
		Overseers.						
39	39	Overseers, 1st Grade ...	100	3,900				
28	28	Do. 2nd „ ...	80	2,240				
25	25	Do. 3rd „ ...	60	1,500				
		Military pay and allowances.	...	650				
92	92	Total, Overseers ...	...	8,290	99,480	...	96,960	
		Carried over ...	...	...	...	...	...	

(a) Increased by Rs. 30,000.

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GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		Brought forward ...	Rs. ...	Rs. ...	Rs. ...	Rs. ...	Rs. ...	
		EXECUTIVE BRANCH —*cont.*						
		Upper Subordinate Establishment—*cont.*						
		Apprentices.						
2	3	Apprentice Overseers, 1st Grade.	51	153				
		Additional remuneration for two Apprentice Instructors.	50	100				
		Total, Apprentices ...		253	3,036	...	2,424	
		Sub-divisional allowance for 20 Upper Subordinates.	30	600	7,200	...	7,200	
187	188	Total, Upper Subordinate Establishment.	...	...	...	3,61,416	3,59,964 — 2,400	
							3,57,564	
		Lower Subordinate Establishment.						
12	13	Sub-Overseers, 1st Grade ...	50	650				
9	9	Do. 2nd „ ...	35	315				
8	8	Do. 3rd „ ...	25	200				
29	30	Total, Lower Subordinate Establishment.	...	1,165	13,980	13,980	13,380	
		Petty Establishment.						
		Store Establishment.						
1	1	Storekeeper	100	100				
1	1	Do.	50	50				
4	4	Storekeepers	30	120				
9	9	Do.	25	225				
6	7	Do.	20	140				
6	4	Do.	15	60				
1	1	Store Writer	25	25				
7	7	Store Watchers	7	49				
35	34	Total, Store Establishment.	...	769	9,228	...	9,348	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		EXECUTIVE BRANCH —*cont.*						
		Workshop Establishment, (Presidency and Doolaishweram).						
...	1	Foreman, Mechanics ...	130	130				
...	1	Do. Carpenter ...	45	45				
...	1	Fitter	45	45				
...	1	Foundry	40	40				
...	1	Smith	40	40				
1	1	Engraver	30	30				
1	1	Gate-keeper	10	10				
2	2	Attenders	10	20				
2	2	Boys	4	8				
6	11	Total, Workshop Petty Establishment.	...	368	4,416	...	816	
		Medical Establishment.						
1	...	Hospital Assistant ...	60	...				
2	2	Do. Assistants ...	55	110				
1	...	Do. Assistant ...	40	..				
2	2	Do. Assistants ...	35	70				
2	4	Do. do. ...	25	100				
		Charge allowance 2 at 25, 2 at 15 and 2 at 10.	...	100				
6	6	Hospital servants 1 at 7, 2 at 6, 2 at 5 and 1 at 4.	...	33				
14	14	Total, Medical Establishment.	...	413	4,956	...	5,496	
		Telegraph Establishment.						
1	1	Signaller	30	30				
2	2	Signallers	25	50				
4	4	Do.	20	80				
8	8	Do.	15	120				
12	12	Telegraph peons	6	72				
27	27	Total, Telegraph Establishment.	...	352	4,224	...	4,224	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		EXECUTIVE BRANCH —*cont.*						
		Lascars, Sweepers, &c.						
500	500	Lascars	6	3,000				
5	5	Sweepers	2 at 5 & 3 at 4	22				
1	...	Keeper of the Chepâk Park.	35	...				
506	505	Total, Lascars, &c...	...	3,022	36,264	...	36,684	
		Irrigation Conservancy Establishment.						
		Godávari Delta System.						
1	1	Anicut Superintendent ...	150	150				
1	1	Do. Maistry	18	18				
1	1	Do. do.	15	15				
1	1	Do. do.	12	12				
3	3	Clerks	15	45				
1	1	Shroff	10	10				
3	3	Delta Superintendents ...	80	240				
2	2	Do. do. ...	70	140				
1	1	Do. Superintendent ...	60	60				
9	9	Do. Superintendents ...	55	495				
12	12	Do. do. ...	40	480				
5	5	Superintendents	8	40				
1	1	Peon	6	6				
3	3	Peons	5	15				
39	39	Lascars	6	234				
75	75	Do.	5	375				
158	158	Total, Water Regulation Establishment, Godávari Delta System.	...	2,335				
		Navigation Establishment.						
1	1	Boat Superintendent ...	75	75				
2	2	Lock Superintendents ...	15	30				
16	18	Do. do. ...	12	216				
20	20	Do. do. ...	10	200				
1	1	Do. Superintendent ...	9	9				
11	11	Do. Superintendents ...	8	88				
137	143	Do. do. ...	6	858				
77	79	Do. do. ...	5	395				
265	275	Total, Navigation Establishment, Godávari Delta System.	...	1,871	...	...	...	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		EXECUTIVE BRANCH —*cont.*	Rs.	Rs.	Rs.	Rs.	Rs.	
		Irrigation Conservancy Establishment—*cont.*						
		Kistna Delta System.						
		Water Regulation Establishment.						
1	1	Anicut Superintendent ...	120	120				
1	1	Assistant do. ...	40	40				
1	1	Clerk, 5th Class, 1st Grade.	15—20	17½				
1	1	Irrigation Clerk, 5th Class, 1st Grade.	15—20	17½				
1	1	Do. do. 2nd Grade.	10—15	12½				
3	3	Delta Superintendents ...	70	210				
5	5	Do. ...	55	275				
6	6	Do. ...	40	240				
18	18	Lascars	8	144				
18	18	Do.	7	126				
30	30	Do.	6	180				
27	27	Do.	5	135				
112	112	Total, Water Regulation Establishment, Kistna District.	...	1517½				
		Navigation Establishment.						
3	3	Lock Superintendents ...	15	45				
8	8	Do. ...	12	96				
12	12	Do. ...	10	120				
15	15	Do. ...	8	120				
17	17	Do. ...	7	119				
24	24	Do. ...	6	144				
27	27	Do. ...	5	135				
2	2	Traffic Clerks	12	24				
1	1	Boat Clerk, 5th Class, 1st Grade.	15—20	17½				
109	109	Total, Navigation Establishment, Kistna Delta System.	...	820½				
		Pennér Anicut System.						
		Water Regulation Establishment.						
1	1	Delta Superintendent ...	70	70				
1	1	Anicut do. ...	60	60				
1	1	Clerk	15	15				
		Carried over ...						

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GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		Brought forward ...	Rs. ...	Rs. ...	Rs. ...	Rs. ...	Rs. ...	
		EXECUTIVE BRANCH —*cont.*						
		Irrigation Conservancy Establishment—*cont.*						
		Pennér Anicut System—cont.						
		Water Regulation Establishment—cont.						
1	1	Clerk						
1	1	Lascar	10	10				
17	17	Lascars	7	7				
4	4	Do.	6	102				
			5	20				
26	26	Total, Water Regulation Establishment, Pennér Anicut System.	...	284				
		Cauvery Delta System.						
...	1	Superintendent						
1	1	Do.	75	75				
1	1	Do.	50	50				
1	1	Do.	30	30				
...	1	Assistant Superintendent... ...	25	25				
3	3	Superintendents	25	25				
9	9	Do.	20	60				
1	...	Superintendent	15	135				
3	4	Superintendents	12	...				
1	1	Superintendent	10	40				
...	3	Lascars	8	8				
8	17	Do.	8	24				
31	39	Do.	7	119				
83	89	Do.	6	234				
...	1	Sweeper	5	445				
31	31	Lascars	5	5				
			4	124				
173	202	Total, Water Regulation Establishment, Cauvery Delta System.	...	1,399				
		Navigation Establishment.						
1	1	Lascar	7	7				
1	1	Do.	5	5				
2	2	Total, Navigation Establishment, Cauvery Delta System.	...	12				

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		EXECUTIVE BRANCH —*cont.*	Rs.	Rs.	Rs.	Rs.	Rs.	
		Irrigation Conservancy Establishment —*cont*						
		Srivaikuntham Anicut System.						
		Water Regulation Establishment.						
2	2	Superintendents	30	60				
1	1	Superintendent	12	12				
21	21	Lascars	5	105				
24	24	Total, Water Regulation Establishment, Srivaikuntham Anicut System.	...	177				
		Chembrambakam Tank.						
		Water Regulation Establishment.						
1	1	Superintendent	12	12				
1	1	Do.	10½	10½				
2	2	Lascars	6	12				
5	5	Do.	5	25				
9	9	Total, Water Regulation Establishment, Chembrambakam Tank.	...	59½				
		Madras Water-supply and Irrigation Project.						
1	1	Superintendent	25	25				
1	1	Do.	15	15				
4	4	Lascars	7	28				
2	2	Do.	6	12				
4	4	Do.	5	20				
12	12	Total, Madras Water-supply and Irrigation Project.	...	100				
		Pálár Anicut System.						
		Water Regulation Establishment, Chingleput District.						
1	1	Maistry						
2	2	Lascars	20	20				
12	12	Do.	6	12				
			4	48				
		Carried over ...	...	80				

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GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		Brought forward ...	Rs. ...	Rs. 80	Rs. ...	Rs. ...	Rs. ...	
		EXECUTIVE BRANCH —*cont.*						
		Irrigation Conservancy Establishment—*cont.*						
		North Arcot District.						
1	1	Superintendent	25	25				
1	1	Do.	15	15				
3	3	Superintendents	12	36				
20	20	Do.	5	100				
40	40	Total, Water Regulation Establishment, Pálár Anicut System.	...	176				
		Pelandorai Anicut System.	...	256				
		Water Regulation Establishment.						
1	1	Superintendent						
1	1	Lascar	30	30				
2	2	Lascars	8	8				
7	7	Do.	6	12				
11	11	Total, Water Regulation Establishment, Pelandorai Anicut System.	5	35				
			...	85				
		Irrigation and Navigation Works for which neither Capital nor Revenue Accounts are kept.						
		Water Regulation Establishment, Ganjam District.						
3	4	Lascars	7	28				
...	1	Lascar	6	6				
14	10	Lascars	4	40				
1	1	Lascar	3⅓	3⅓				
18	16	Total, Water Regulation Establishment, Ganjam District.	...	77⅓				

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		EXECUTIVE BRANCH —*cont.*						
		IRRIGATION AND NAVIGATION WORKS FOR WHICH NEITHER CAPITAL NOR REVENUE ACCOUNTS ARE KEPT—*cont.*						
		Water Regulation Establishment—cont.						
		North Arcot District.						
1	1	Superintendent			27	27		
1	1	Superintendents			20	40		
1	1	Superintendent			12	12		
5	5	Do.			10	10		
15	15	Lascars			6	30		
25	25	Do.			5	75		
		Total, Water Regulation Establishment, North Arcot District.			...	194		
		Coimbatore District.						
1	1	Superintendent			5	5		
4	4	Lascars			2½	10		
5	5	Total, Water Regulation Establishment, Coimbatore District.			...	15		
		Malabar District.						
1	1	Watchman						
1	1	Do.			4	4		
		Additional amount sanctioned.			3	3		
					...	11½		
2	2	Total, Water Regulation Establishment, Malabar District.			...	18½		
		Tanjore District.						
1	1	Superintendent						
2	2	Lascars			50	50		
6	6	Do.			6	12		
					5	30		
9	9	Total, Water Regulation Establishment, Tanjore District.			...	92		

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GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		EXECUTIVE BRANCH —*cont.*						
		IRRIGATION AND NAVIGATION WORKS FOR WHICH NEITHER CAPITAL NOR REVENUE ACCOUNTS ARE KEPT—*cont.*						
		Water Regulation Establishment—cont.						
		Vizagapatam District.						
3	3	Superintendents	12	36				
13	13	Lascars	5	65				
16	16	Total, Water Regulation Establishment, Vizagapatam District.	...	101				
		Godávari District.						
1	1	Lascar		9	9			
1	1	Do.		7	7			
2	2	Total, Water Regulation Establishment, Godávari District.	...	16				
		Chingleput District.						
1	1	Superintendent		10½	10½			
1	1	Lascar		6	6			
1	1	Do.		5	5			
3	3	Total, Water Regulation Establishment, Chingleput District.	...	21½				
		South Arcot District.						
1	1	Superintendent		40	40			
2	2	Superintendents		35	70			
1	1	Superintendent		25	25			
2	2	Superintendents		20	40			
10	10	Lascars		8	80			
9	9	Do.		6	54			
32	32	Do.		5	160			
57	57	Total, Water Regulation Establishment, South Arcot District.	...	469				

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		EXECUTIVE BRANCH —*cont.*						
		Irrigation and Navigation Works for which neither Capital nor Revenue Accounts are kept—*cont.*						
		Water Regulation Establishment—cont.						
		Trichinopoly District.						
1	1	Superintendent	15	15				
1	1	Do. ...	12	12				
2	2	Superintendents	10	20				
1	1	Lascar	6	6				
5	5	Lascars	5	25				
18	18	Do.	4	72				
4	4	Do.	3	12				
32	32	Total, Water Regulation Establishment, Trichinopoly District.	...	162				
		Madura District.						
4	4	Lascars	4	16				
4	4	Total, Water Regulation Establishment, Madura District.	...	16				
		Tinnevelly District.						
1	1	Superintendent	45	45				
2	2	Superintendents	35	70				
4	4	Do.	30	120				
8	8	Lascars	8	64				
24	24	Do.	6	144				
25	25	Do.	5	125				
64	64	Total, Water Regulation Establishment, Tinnevelly District.	...	568				
		Navigation Establishment.						
		South Arcot District.						
1	1	Superintendent	15	15				
1	1	Do.	10	10				
		Carried over ...	...	...				

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GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		Brought forward ...	Rs. ...	Rs. ...	Rs. ...	Rs. ...	Rs. ...	
		EXECUTIVE BRANCH —*cont.*						
		Navigation Establishment—*cont.*						
		South Arcot District—cont.						
1	1	Lascar	8	8				
7	7	Lascars	5	35				
10	10	Total, Navigation Establishment, South Arcot District.	...	68				
		Agricultural Works, River Conservancy Establishment.						
		Godávari District.						
2	2	Superintendents	15	30				
8	8	Lascars	6	48				
10	10	Total, River Conservancy Establishment, Godávari District.	...	78				
		South Arcot District.						
1	1	Sluice-keeper	8	8				
3	3	Lascars	8	24				
6	6	Do.	5	30				
10	10	Total, River Conservancy Establishment, South Arcot District.	...	62				
		Trichinopoly District.						
2	2	Lascars	7	14				
20	20	Do.	4	80				
4	4	Do.	3	12				
10	10	Do.	2½	25				
36	36	Total, River Conservancy Establishment, Trichinopoly District.	...	131				

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		EXECUTIVE BRANCH —*cont.*	Rs.	Rs.	Rs.	Rs.	Rs.	
		Agricultural Works, River Conservancy Establishment—*cont.*						
		Tinnevelly District.						
1	1	Lascar	7	7				
4	4	Lascars	2	8				
5	5	Total, River Conservancy Establishment, Tinnevelly District.	...	15				
		Conservancy Establishment, Kurnool Canal.						
3	3	Irrigation Superintendents.	65,55&45	165				
4	4	Anicut do.	1 at 25 1 at 20 2 at 15	75				
10	10	Head Lascars	8	80				
15	15	Do.	7	105				
17	17	Lascars	6	102				
13	13	Do.	5	65				
3	3	Lascars for three Irrigation Superintendents.	6	18				
65	65	Total, Irrigation, Kurnool Canal.	...	610				
		Navigation Establishment.						
7	7	Lock Superintendents	12	84				
15	15	Do. ...	10	150				
20	20	Do. ...	8	160				
42	42	Total, Navigation Establishment, Kurnool Canal.	...	394				
107	107	Total, Irrigation and Navigation Establishment, Kurnool Canal.	...	1,004				
		Conservancy Establishment.						
		Sangam Project.						
1	...	Anicut Superintendent ...	60—80	...				
...	1	Do. do. ...		60				
...	1	Delta do. ...	60	60				
1	1	Channel do. ...	60	60				
			40	40				
		Carried over ...	...	...	...	...	...	

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GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		Brought forward ...	Rs. ...	Rs. ...	Rs. ...	Rs. ...	Rs. ...	
		EXECUTIVE BRANCH —*cont.*						
		Conservancy Establishment—*cont.*						
		Sangam Project—cont.						
1	...	Channel Superintendent ...	30	...				
...	1	Do. do. ...	25	25				
1	...	Tank do. ...	40—60	...				
1	...	Clerk	15	...				
...	2	Clerks, 5th Class, 1st Grade.	15—20	35				
...	2	Do. 5th „ 2nd „	10—15	25				
...	1	Tank Superintendent ...	15	15				
4	2	Lascars	8	16				
4	5	Do.	7	35				
16	20	Do.	6	120				
29	36	Total, Conservancy Establishment, Sangam Project.	...	431				
		Grand Total, Conservancy Establishment.	...	12,456	1,49,472	...	1,44,612	
		Total, Petty Establishment.	...	...	2,08,560	2,08,560	2,01,180	
		Office Establishment.						
		For Chief Engineer and Secretary to Government, Public Works Department.						
1	1	Chief Assistant	600	600				
1	1	Second do.	300	300				
2	2	Clerks, 1st Class, 3rd Grade.	200—250	450				
1	1	Clerk, 2nd „ 1st „	160—200	180				
1	1	Do. 2nd „ 2nd „	120—160	140				
1	1	Do. 2nd „ 3rd „	100—120	110				
4	4	Clerks, 3rd „ 2nd „	60—80	280				
5	5	Do. 3rd „ 3rd „	50—60	275				
3	3	Do. 4th „ 1st „	40—50	135				
3	3	Do. 4th „ 2nd „	30—40	105				
3	3	Do. 4th „ 3rd „	20—30	75				
1	1	Draftsman, Special ...	200—250	225				
1	1	Do. 1st Class ...	50—70	60				
3	3	Attenders	15,13&10	38				
1	1	Muchi	14	14				
1	1	Do.	12	12				
		Carried over ...	...	...	...	...	...	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		Brought forward ...	Rs. ...	Rs. ...	Rs. ...	Rs. ...	Rs. ...	
		EXECUTIVE BRANCH —*cont.*						
		Office Establishment —*cont.*						
		For Chief Engineer and Secretary to Government, Public Works Department—cont.						
1	1	Press Messenger	10	10				
1	1	Duffadar	12	12				
1	1	Head Peon	10	10				
5	5	Peons, 1st Class	8	40				
2	2	Do. 2nd ,, ...	7	14				
42	42	Total, Public Works Secretariat Office Establishment.	...	3,085	37,020	...	37,020	
		For Chief Engineer and Joint Secretary to Government, Irrigation Branch.						
2	2	Clerks, 1st Class, 3rd Grade.	200—250	450				
1	1	Clerk, 2nd ,, 3rd ,, ...	100—120	110				
2	2	Clerks, 3rd ,, 1st ,, ...	80—100	180				
2	2	Do. 3rd ,, 2nd ,, ...	60— 80	140				
1	1	Clerk, 3rd ,, 3rd ,, ...	50— 60	55				
3	3	Clerks, 4th ,, 1st ,, ...	40— 50	135				
3	3	Do. 4th ,, 2nd ,, ...	30— 40	105				
1	1	Clerk, 4th ,, 3rd ,, ...	20— 30	25				
1	1	Draftsman, 1st Class ...	50— 70	60				
2	2	Draftsmen, 2nd ,, ...	35— 50	85				
2	2	Do. 3rd ,, ...	20— 30	50				
1	1	Reference Picker		15	15			
1	1	Do. do.		12	12			
1	1	Mochi		12	12			
1	1	Duffadar		10	10			
1	1	Head Peon		8	8			
1	1	Messenger		8	8			
2	2	Messengers		7	14			
3	3	Lascars		7	21			
31	31	Total, Office Establishment for Chief Engineer for Irrigation.	...	1,495	17,940	...	17,940	

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GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		EXECUTIVE BRANCH —*cont.*						
		Office Establishment —*cont.*						
		For Six Superintending Engineers' Offices.						
1	1	Clerk, 2nd Class, 1st Grade.	160—200	180				
1	1	Do. 2nd ,, 3rd ,,	100—120	110				
1	1	Do. 3rd ,, 3rd ,,	50— 60	55				
1	1	Do. 4th ,, 1st ,,	40— 50	45				
1	1	Do. 4th ,, 2nd ,,	30— 40	35				
2	2	Clerks, 4th ,, 3rd ,,	20— 30	50				
1	1	Draftsman, Special ...	80—100	90				
1	1	Do. 1st Class ...	50— 70	60				
1	1	Do. 2nd ,, ...	35— 50	42½				
1	1	Messenger		8	8			
3	3	Messengers		6	18			
14	14	Total for each office ...	...	693½				
6	6		...	6				
84	84	Total for six offices ...	...	4,161	49,932	...	49,932	
		For Presidency Division.						
1	1	Clerk, 3rd Class, 2nd Grade.	60—80	70				
1	1	Do. 4th ,, 1st ,,	40—50	45				
2	2	Clerks, 4th ,, 2nd ,,	30—40	70				
3	3	Do. 4th ,, 3rd ,,	20—30	75				
2	2	Do. 5th ,, 1st ,,	15—20	35				
1	1	Cashier (Clerk, 3rd Class, 2nd Grade)	60—80	70				
1	1	Draftsman, 1st Class ...	50—70	60				
1	1	Do. 2nd ,, ...	35—50	42½				
3	3	Draftsmen, 3rd ,, ...	20—30	75				
1	1	Messenger		7	7			
1	1	Do.		6	6			
17	17	Total, Office Establishment, Presidency Division.	...	555½	6,666	...	6,666	
		For Godâvari Eastern Division.						
1	1	Clerk, 3rd Class, 2nd Grade.	60—80	70				
2	2	Clerks, 4th ,, 1st ,,	40—50	90				
1	1	Clerk, 4th ,, 2nd ,,	30—40	35				
		Carried over ...	...	...	...	...	...	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Estimate for 1887-88. Per Annum.	Estimate for 1887-88. Total.	Estimate for 1886-87.	Remarks.
		Brought forward ...	Rs. ...	Rs. ...	Rs. ...	Rs. ...	Rs. ...	
		EXECUTIVE BRANCH —*cont.*						
		Office Establishment —*cont.*						
		For Godávari Eastern Division—cont.						
1	1	Cashier (Clerk, 4th Class, 2nd Grade).	30—40	35				
3	3	Clerks, 4th Class, 3rd Grade	20—30	75				
1	1	Draftsman, 1st Class ...	50—70	60				
1	1	Do. 3rd „ ...	20—30	25				
1	1	Messenger	7	7				
1	1	Do.	6	6				
12	12	Total, Office Establishment, Godávari Eastern Division.	...	493	4,836	...	4,836	
		For Kistna Eastern Division.						
1	1	Clerk, 3rd Class, 2nd Grade.	60—80	70				
1	1	Do. 4th „ 1st „	40—50	45				
1	1	Do. 4th „ 2nd „	30—40	35				
3	3	Clerks, 4th „ 3rd „	20—30	75				
1	1	Cashier (Clerk, 4th Class, 3rd Grade).	20—30	25				
1	1	Draftsman, 1st Class ...	50—70	60				
1	1	Do. 3rd „ ...	20—30	25				
1	1	Messenger	7	7				
1	1	Do.	6	6				
11	11	Total, Office Establishment, Kistna Eastern Division.	...	348	4,176	...	4,176	
		For Eight First-class Divisions. (*a*)						
1	1	Clerk, 3rd Class, 2nd Grade.	60—80	70				
1	1	Do. 4th „ 1st „	40—50	45				
1	1	Do. 4th „ 2nd „	30—40	35				
2	2	Clerks, 4th „ 3rd „	20—30	50				
1	1	Draftsman, 1st Class ...	50—70	60				
1	1	Do. 3rd „ ...	20—30	25				
1	1	Messenger	7	7				
1	1	Do.	6	6				
9	9	Total for each office ...	...	298	...	...	...	
8	8			8				
72	72	Total for eight offices ...	...	2,384	28,608	...	28,608	

(*a*) 1. Godávari Western division.
2. Kistna Western division.
3. South Arcot division.
4. Buckingham Canal division.
5. Tanjore division.
6. Tinnevelly division.
7. Coimbatore division.
8. West Coast division.

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PROVINCIAL SERVICES.
PUBLIC WORKS BUDGET-ESTIMATE. MADRAS.

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Estimate for 1887-88. Per Annum.	Estimate for 1887-88. Total.	Estimate for 1886-87.	Remarks.
		EXECUTIVE BRANCH —*cont.*	Rs.	Rs.	Rs.	Rs. ...	Rs. ...	
		Office Establishment —*cont.*						
		For Kurnool Division.						
1	1	Clerk, 3rd Class, 2nd Grade.	60—80	70				
1	1	Do. 3rd „ 3rd „	50—60	55				
1	1	Do. 4th „ 1st „	40—50	45				
2	2	Clerks, 4th „ 2nd „	30—40	70				
2	2	Do. 4th „ 3rd „	20—30	50				
1	1	Draftsman, 1st Class ...	50—70	60				
1	1	Do. 2nd „ ...	35—50	42½				
1	1	Do. 3rd „ ...	20—30	25				
2	2	Messengers	7	14				
1	1	Messenger	6	6				
13	13	Total, Office Establishment, Kurnool Division.	...	437½	5,250	...	5,250	
		For Eight Second-class Divisions. (*b*)						
1	1	Clerk, 3rd Class, 2nd Grade.	60—80	70				
1	1	Do. 4th „ 2nd „	30—40	35				
2	2	Clerks, 4th „ 3rd „	20—30	50				
1	1	Draftsman, 1st Class ...	50—70	60				
1	1	Do. 3rd „ ...	20—30	25				
1	1	Messenger	7	7				
1	1	Do.	6	6				
8	8	Total for each office ...	...	253	...	...	...	
7	8			8				
56	64	Total for eight offices ...	...	2,024	...	...	...	
		Add—						
1	1	Cashier (Clerk, 4th Class, 1st Grade) for Sangam Project.	40—50	45				
1	1	Clerk, 4th Class, 3rd Grade, for North Arcot division.	20—30	25				
		Difference of pay between a 2nd Class Draftsman and 3rd Class for Sangam division.	...	17½				
58	66	Total for eight offices ...	...	2,111½	25,338	...	22,302	

(*a*) 1. Nellore division.
2. Cuddapah do.
3. North Arcot do.
4. Chingleput do.
5. Trichinopoly do.
6. Negapatam do.
7. Sangam Project division.
8. Madura division.

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		EXECUTIVE BRANCH —*cont.*	...	...	...	...	...	
		Office Establishment —*cont.*						
		For Nilgiri Division.						
1	1	Clerk, 3rd Class, 1st Grade.	80—100	90				
1	1	Do. 3rd " 2nd "	60— 80	70				
2	2	Clerks, 4th " 3rd "	50— 60	55				
1	1	Draftsman (Special) ...	100—120	110				
1	1	Do.	70— 80	75				
1	1	Messenger		10				
		Do.		9				
9	9	Total, Office Establishment, Nilgiri Division.	...	509	6,108	...	6,108	
		For Three Third-class Divisions. (a)						(a) 1. Ganjam. 2. Vizagapatam. 3. Bellary.
1	1	Clerk, 3rd Class, 3rd Grade.	50—60	55				
1	1	Do. 4th " 2nd "	30—40	35				
2	2	Clerks, 4th " 3rd "	20—30	50				
1	1	Draftsman, 2nd Class ...	35—50	42½				
1	1	Do. 3rd " ...	20—30	25				
1	1	Messenger		7				
		Do.		6				
8	8							
4	3	Total for each office ...	...	220½				
			...	3				
32	24	Total for three offices ...	...	661½				
		Add—						
1	1	Clerk, 4th Class, 3rd Grade, for Bellary division.	20—30	25				
33	25	Total for three offices ...	...	686½	8,238	...	10,884	

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GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		EXECUTIVE BRANCH —*cont.*						
		Office Establishment —*cont.*						
		Office Establishment of the Consulting Architect to Government.						
1	1	Clerk, 1st Class, 3rd Grade.	200—250	225				
1	1	Do. 4th " 1st "	40— 50	45				
2	2	Clerks, 4th " 3rd "	20— 30	50				
1	1	Clerk, 5th " 1st "	15— 20	17½				
1	1	Draftsman, 1st Class ...	50— 70	60				
2	2	Do. 2nd " ...	35— 50	42½				
1	1	Draftsmen, 3rd " ...	20— 30	50				
2	2	Messenger		7				
		Messengers		6				
11	11	Total, Office Establishment for Consulting Architect to Government.	...	503	6,036	...	6,036	
		For Public Works Stores.						
1	1	Storekeeper		300	300			
1	1	Store Clerk, 3rd Class, 2nd Grade.	60—80	70				
1	1	Do. 4th Class, 2nd Grade.	30—40	35				
1	1	Do. 4th " 3rd "	20—30	25				
2	2	Messenger		8				
2	2	Messengers		7				
		Do.		6½				
9	9	Total, Office Establishment, Public Works Stores.	...	465	5,580	...	5,580	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		EXECUTIVE BRANCH —*cont.*	Rs.	Rs.	Rs.	Rs.	Rs.	
		Office Establishment —*cont.*						
		For Public Works Workshops, Presidency.						
1	1	Clerk, 3rd Class, 2nd Grade.	60—80	70				
1	1	Do. 3rd „ 3rd „	50—60	55				
1	1	Do. 4th „ 1st „	40—50	45				
4	4	Clerks, 5th „ 3rd „	20—30	25				
1	1	Do. 5th „ 1st „	15—20	70				
1	1	Clerk, 5th „ 2nd „	10—15	12½				
1	1	Draftsman, 1st Class ...	50—70	60				
4	4	Do. 2nd „ ...	35—50	42½				
		Messengers	7	28				
15	15	Total, Office Establishment, Presidency Workshops.	...	408	4,896	...	4,896	
		For Public Works Workshops, Dowlaishweram.						
...	1	Clerk, 3rd Class, 3rd Grade.	50—60	55				
...	1	Do. 4th „ 2nd „	30—40	35				
...	3	Clerks, 4th „ 3rd „	20—30	75				
...	1	Clerk, 5th „ 1st „	15—20	17½				
...	1	Duffadar	9	9				
...	5	Gate Peons	6	30				
...	1	Office Peon	6	6				
...	4	Store Peons	6	24				
...	17	Total, Office Establishment, Public Works Workshops, Dowlaishweram.	...	251½	3,018	...	...	
		Office (Toll) Establishment, Buckingham Canal.						
1	1	Wharf Superintendent ...	50	50				
2	2	Clerks, 5th Class, 1st Grade.	15—20	35				
2	2	Toll-keepers	15	30				
1	1	Wharf Clerks	17½	35				
1	1	Clerk, 4th Class, 3rd Grade.	20—30	25				
1	1	Assistant Toll-keeper ...	10—15	12½				
4	4	Shroff	8	8				
12	12	Lascars	7	28				
		Do.	6	72				
26	26	Total, Office (Toll) Establishment, Buckingham Canal.	...	295½	3,546	...	3,546	

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GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		EXECUTIVE BRANCH —*cont.*	Rs.	Rs.	Rs.	Rs.	Rs.	
		Office Establishment —*cont.*						
16	...	*For Project Divisions.*	...	...	...	...	6,492	
		For Sixty-four Sub-divisional Offices.						
1	1	Clerk, 4th Class, 3rd Grade.	20—30	25				
1	1	Messenger	6	6				
2	2	Total for each office ...	...	31				
64	64		...	64				
128	128	Total for sixty-four Sub-divisional offices.	...	1,984				
		For Two Sub-divisional Offices in Nilgiri Division.						
1	1	Clerk, 4th Class, 2nd Grade.	30—40	35				
1	1	Messenger	9	9				
2	2	Total for each office ...	...	44				
4	4	Total for two offices ...	...	88				
132	132	Total for Sub-divisional offices.	...	2,072	24,864	...	24,864	
		For Seventy-five Detached Officers.						
1	1	Clerk, 4th Class, 3rd Grade.	20—30	25				
1	1	Total for each Detached Officer.	...	25				
75	75		...	75				
75	75	Total for seventy-five Detached Officers.	...	1,875	22,500	...	22,500	
		For Ninety-two Overseers.						
1	1	Clerk, 5th Class, 1st Grade.	15—20	17½				
1	1	Total for each Overseer ...	...	17½				
92	92		...	92				
92	92	Total for ninty-two Overseers.	...	1,610	19,320	...	19,320	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		EXECUTIVE BRANCH —*cont.*	Rs.	Rs.	Rs.	Rs.	Rs.	
		Office Establishment —*cont.*						
		Abstract of Office Establishment.						
42	42	Public Works Department Secretariat.	...	...	37,020	...	37,020	
31	31	Office of Chief Engineer for Irrigation.	...	...	17,940	...	17,940	
84	84	Six Superintending Engineers' offices.	...	...	49,932	...	49,932	
17	17	Presidency Division office.	...	...	6,666	...	6,666	
12	12	Godávari Eastern Division.	...	...	4,836	...	4,836	
11	11	Kistna Eastern Division ...	...	...	4,176	...	4,176	
85	85	Nine First-class Divisions including Kurnool.	...	...	33,858	...	3,3858	
58	66	Eight Second-class Divisions	...	...	25,338	...	22,302	
9	9	Nilgiri Division	...	...	6,108	...	6,108	
33	25	Three Third-class Divisions	...	...	8,238	...	10,884	
11	11	Consulting Architect to Government.	...	...	6,036	...	6,036	
9	9	Public Works Stores ...	...	...	5,580	...	5,580	
15	32	Public Works Workshops, Presidency and Dowlaishweram.	...	...	7,914	...	4,896	
26	26	Toll Establishment, Buckingham Canal.	...	...	3,546	...	3,546	
16	...	Project Divisions ...	...	...	...	...	6,492	
132	132	Sub-divisional offices ...	...	...	24,864	...	24,864	
75	75	Detached officers	...	...	22,500	...	22,500	
92	92	Overseers	...	...	19,320	...	19,320	
758	759		...	...	2,83,872	2,83,872	2,86,956	
		Temporary Establishment.	...	...	82,542	82,542	3,00,000	
		Local Allowances.						
		Upper Godávari allowances.	...	30	360	...	...	
		Wynaad allowances ...	...	...	4,000	...	...	
		Pothighy Ghât allowances.	...	...	7,200	...	...	
		Presidency house-rent ...	...	...	4,800	...	...	
		Do. allowance ...	...	...	9,000	...	...	
		Total, Local Allowances ...	...	...	25,360	25,360	31,740	
		Total Salaries ...	...	...	17,13,526	...	20,01,304	
		Travelling allowances ...	...	...	...	†1,81,796	2,40,000	† Reduced by Rs. 58,204 being the share of travelling allowances on account of temporary establishment for which no provision is made.

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GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		EXECUTIVE BRANCH —*cont.*	Rs.	Rs.	Rs.	Rs.	Rs.	
		Contingencies inclusive of Postage.						
		Public Works Department Secretariat office ...	Rs. 500					
		Office of Chief Engineer for Irrigation.	150					
		6 Superintending Engineers' offices at Rs. 100.	600					
		27 Divisional offices ...	2,700					
		2 Workshops.	100					
			3,400					
			4,050	...	4,050	48,600	48,600	48,600
		Total ..	...	...	...	..	19,37,470	22,89,904
		ACCOUNTS BRANCH.						
...	1	Examiner, 1st Class ...		1,600	1,600			
1	...	Do. 2nd ,, ...		1,350	...			
1	2	Dy. Examiners, 1st Grade.	600 & 500	500	1,150			
1	...	Dy. Examiner, 2nd ,,		400	400			
...	1	Assistant Examiner ...						28,800
3	4	Total, Examiners ..	...		3,150	37,800	...	
		Accountants.						
2	2	Accountants, 1st Grade ..	350—450		800			
3	3	Do. 2nd ,, ...	250—340		885			
8	9	Do. 3rd ,, ...	160—240		1,800			
18	17	Do. 4th ,, ...	80—150		1,955			
30	27	Do. 5th ,, ...	40— 75		1,552½			
61	58	Total, Accountants ...	...		6,992½	83,910	...	84,960
		Office Establishment.						
1	1	Clerk, 2nd Class, 2nd Grade		120—160	140			
1	1	Do. 3rd ,, 1st ,,		80—100	90			
4	4	Clerks, 3rd ,, 2nd ,,		60— 80	280			
7	7	Do. 3rd ,, 3rd ,,		50— 60	385			
6	6	Do. 4th ,, 1st ,,		40— 50	270			
10	10	Do. 4th ,, 2nd ,,		30— 40	350			
18	18	Do. 4th ,, 3rd ,,		20— 30	450			
16	16	Do. 5th ,, 1st ,,		15— 20	280			
2	...	Do. 5th ,, 2nd ,,		10— 15	...			
65	63	Total, Clerks ...	...		2,245	...	...	...

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		ACCOUNTS BRANCH —*cont.*	Rs.	Rs.	Rs.	Rs.	Rs.	
		Menial Servants.						
...	1	Attender		12	12			
...	1	Do.		10	10			
1	1	Muchi		12	12			
1	1	Do.		10	10			
1	1	Attender		8	8			
1	1	Head Messenger		5	5			
1	1	Do.		10	10			
4	4	Messengers		8	8			
6	6	Do.		7	28			
2	2	Rollers		6	36			
18	20			5	10			
83	83	Total, Menial Servants ...	...	149	...	...	...	
		Total, Office Establishment.	...	2,394	28,728	...	28,764	
		Local and Charge Allowances.						
		Presidency house-rent ...	...	400				
		Do. allowance ...	...	1,000				
		Charge allowance for 20 Accountants, 5th Grade.	20	400				
		Total, Local and Charge Allowances.	...	1,800	21,600	...	25,200	
		Total Salaries	...	...	...	1,72,038	1,68,724	
		Travelling allowances ...	...	...	...	3,000	3,600	
		Contingencies	...	...	...	3,000	4,800	
		Grand Total ...	...	...	...	1,78,038	1,77,124	
		Deduct—						
		Contributions as follows: Coorg 1 Accountant, 3rd Grade.	200					
			200	2,400	...	...	...	
		Contribution on account of audit for Coorg.	...	3,500	...	...	...	
			...	5,900	...	—5,900	7,872	
			...	...	...	1,72,138	1,69,252	

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GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
		ACCOUNTS BRANCH —*cont.*	Rs.	Rs.	Rs.	Rs.	Rs.	
		Abstract.						
		Executive Branch	...	...	19,37,470	...	22,89,904	
		Accounts do.	...	...	1,72,138	...	1,69,252	
		Grand Total, Public Works Department Establishment.	...	...	21,09,608	...	24,59,156	

GOVERNMENT OF MADRAS.

PART III—concluded.

ABSTRACT OF THE FOREGOING PROVISION FOR ESTABLISHMENT.

Number. 1886-87.	Number. 1887-88.	Particulars.	Salary of Office.	Estimate for 1887-88. Per Mensem.	Per Annum.	Total.	Estimate for 1886-87.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Total, Public Works Establishment.	...	...	21,09,608	21,09,608	24,59,156	
		Deduct Contributions.						
		Wards Works	...	...	60,000			
		Imperial Military	...	...	1,03,000			
		Imperial Civil Works ...	...	...	6,200			
		Incorporated Local Funds ...	...	...	47,487			
		Excluded Local Funds ...	...	...	...			
		35. Famine Relief and Insurance.						
		Construction of Protective Irrigation Works.	...	...	46,000			
		42. Irrigation Major Works (Working Expenses).	...	...	3,67,720			
		48. Capital Expenditure on Public Works (not charged against Revenue) Irrigation.	...	...	1,93,585			
		43. Provincial Irrigation, Minor Works and Navigation.	...	...	6,35,616			
						14,59,608	16,35,424	
		Balance debitable to Provincial.	...	...	...	6,50,000	8,23,732	

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APPENDIX B.

Statement showing the total estimated Cost of Establishment of Public Works Department for 1887-88.

—	Salaries.	Travelling allowances.	Contingencies.	Total.
	Rs.	Rs.	Rs.	Rs.
(1) Direction	3,00,324	(a) 21,523	15,000	3,36,847
(2) Accounts	1,59,686	3,000	3,000	1,65,386
(3) Construction	14,13,202	1,60,273	33,600	16,07,075
Total ...	18,73,212	1,84,796	51,600	21,09,608

(a) Actuals for 1886-87.

Madras,
19th March 1887.

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

APPENDIX C.

—	Works grant.	Revenue. Direct.	Revenue. Indirect.	23 per cent. on Works grant.	10 per cent. on Direct Revenue Irrigation.	6 per cent. on Indirect Revenue Irrigation	5 per cent. on Direct Revenue, Buildings and Roads.	Special contribution for scrutiny of Local Fund estimates.	Cost of Establishment actually employed.	Total contributions.	Estimated cost of Establishment for 1887-88.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial, Military	4,42,600	25,000	...	1,01,750	...	...	1,250	...	...	1,03,000	..
Do. Civil Works	27,000	...	...	6,200	..	...	...	...	...	6,200	..
35. Imperial Irrigation, Famine Relief and Insurance. Construction of Protective Irrigation Works	3,05,000	...	...	46,000	...	...	...	...	...	46,000	...
42. Imperial Irrigation Major Works (Working Expenses).	5,47,262	1,62,000	36,12,000	1,23,800	16,200	2,16,720	...	...	11,000	3,67,720	...
48 Imperial Irrigation. Capital Expenditure on Public Works (not charged against Revenue)	8,88,291	...	...	1,93,585	...	...	..	...	...	1,93,585	...
Provincial, Civil Works ..	10,07,000	93,000	...	2,31,610	...	...	4,650	...	...	2,36,260	...
43. Provincial Irrigation, Minor Works and Navigation ...	19,32,174	82,275	29,08,000	4,09,809	8,227	1,74,480	...	...	43,100	6,35,616	...
Incorporated Local	1,54,528	6,000	...	32,187	...	..	300	15,000	...	47,487	...
Excluded Local	...	...	...	...	...	...	...	...	...	...	...
Court of Wards	2,61,000	...	...	60,00	..	...	...	...	...	60,000	...
Total ...	56,14,855	...	...	...	...	..	...	..	...	16,95,868	21,09,608

B

Statement showing the total estimated cost of Establishment of P.W.D. for 1887-88.

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	Salaries	Travelling Allowances	Contingencies	Total
(1) Direction	3,00,324	(a) 21,523	15,000	336,847
(2) Accounts	139,686	3,000	3,000	165,686
(3) Construction	~~14,13,202~~ ~~1,324,208~~	160273	33,600	~~16,07,075~~ ~~1,518,081~~
Total	~~17,84,218~~ 18,73,212	184,796	51,600	2020,614 2109,608

(a) Actuals for 1886-87.

Madras
19th March 1887

Chas Hunter Major R.E
Examiner P.W. Accounts
Madras

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	Works grant	Revenue Direct	Revenue Indirect	23 per cent on works grant	10 per cent on Direct Revenue Irrigation	6 per cent on Indirect Revenue Irrigation	5 per cent on Direct Revenue Building & Roads	Special contributions for securing of Local Fund estimates	Cost of establishment actually employed	Total Contributions	Estimated cost of Establishment for 1887-88
	₹	₹	₹	₹	₹	₹	₹	₹	₹	₹	₹
							1,250	"	"	1,03,000	
Imperial Military	4,42,600	25,000	"	1,01,750	"	"	"	"	"	6,200	
Imperial Civil Works	27,000	-	"	6,200	-	"				-	
35. Imperial Irrigation. Famine Relief and Insurance, Construction of Protective Irrigation Works.	3,05,000	-	"	46,000	"	"	"	"	"	46,000	✓
42 — do — Irrigation. Major Works, Working expenses	5,47,262	1,62,000	31,12,000	1,28,800	16,200	2,16,720	"	"	11,000	3,67,720	✓
48 — do — do — Capital Expenditure on Public Works (not Charged against Revenue)	8,88,291	"	"	1,93,585	"	"	4,650	"	1	1,93,585	✓
Provincial Civil Works	10,07,000	93,000	"	2,31,610	"	"			"	2,36,260	
43. Provincial Irrigation. Minor Works and Navigation	19,82,174	22,275	29,08,000	4,09,807	8,227	1,74,480	"	"	43,100	6,35,616	✓
Incorporated Local	1,54,628	6,000	"	32,187	"	"	300	15,000	"	47,487	✓
Excluded Local	"	"	"	"	"	"	"	"	"	"	
Court of Wards	2,61,000	"	"	60,000	"	"	"	"	"	60,000	✓
	56,14,855									16,95,868	2109,608

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DISTRIBUTION RETURN

OF THE

EXECUTIVE ESTABLISHMENT, P.W.D.,

~~1st~~ 25th APRIL 1887.

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STATEMENT SHOWING ESTABLISHMENT SANCTIONED AND EXISTING.

Circles.	Divisions.	Sanctioned.			Existing 25th 1st April 1887.			Remarks.
		Executive Engineers.	Assistant Engineers.	Upper Sub-ordinates.	Executive Engineers.	Assistant Engineers.	Upper Sub-ordinates.	
I.	Ganjam	2	3	9	1	3	6	
	Vizagapatam	1	1	6	1	1	3	
	Godávari, East	1	2	8	1	2	8	
	Do. West ..	1	2	4	..	1	6	
	Do. Central ..	1	2	5	..	2	2	
		6	10	32	4	9	25	
II.	Kistna, East	2	3	9	2	2	7	* 1 Superintending Engineer temporary.
	Do. West	1	2	6	..	3	4	
	Nellore	1	3	9	..	3	12	
	Buckingham Canal ..	1	1	8	1	1	7	
		5	9	32	3	9	30	
III.	Bellary	1	..	6	2	..	6	″ 1 — do —
	Cuddapah	1	1	4	1	2	4	
	Kurnool	2	1	11	1		11	
		4	2	21	3	2	21	
IV.	Nilgiris	1	..	4	1	..	3	
	Coimbatore	2	2	12	2	1	11	
	West Coast	1	1	8	1	1	8	
		4	3	24	4	2	22	
V.	North Arcot	1	2	7	†2	1	7	† 1 — Asst. Sub. System
	South Arcot	1	1	8	2	1	8	
	Chingleput	2	1	7	1	1	1	
	Presidency and Bangalore.	1	1	7	1	..	6	
	Do. Workshops ..	1	..	2				
		6	5	31	7	4	30	
VI.	Trichinopoly	1	..	6	..	1	6	
	Tanjore	1	2	9	..	2	9	
	Negapatam	1	1	7	..	1	5	
	Madura	2	1	12	1		15	
	Tinnevelly	1	1	6			7	
		6	5	40	4	5	42	
	Secretariat ..	2	..	..	2	..	2	
	Consulting Architect ..	1	..	3	1	..	5	
	Supernumeraries ..	7	6	3	13	7		
	Total ..	41	40	185	41	39	185	

Ramnad

SECRETARIAT.

Colonel J. O. Hasted, R.E.,	E.W., and W.
Captain W. L. C. Baddeley, R.E.,	D.E.W., and D.W.
Colonel H. R. Mead, R.E.,	E.I., and I.
J. P. Davidson,	Assistant E.I., and D.I.

CONSULTING ARCHITECT DIVISION.

(1. 0. 3.)

J. W. Brassington, A.M.I.C.E.,	Executive Engineer.	Consulting Architect, Offg.
J. H. Stephens,	Assistant do.	Honorary.
Sergeant C. Smith, R.E.,	Supervisor.	

I CIRCLE.

G. T. Walch, Superintending Engineer, Temporary.

Ganjam Division.

(2. 3. 9.)

J. Hannan,	Executive Engineer.	
H. E. Evans,	Do. do.	Substantive *pro tem.*
J. H. Medlicott,	~~Assistant~~ do.	Temp
G. F. Handcock,	~~Do.~~ do.	
S. Venkataramanayya Pantulu, B.C.E.,	Sub-Engineer.	
~~W. Venkatacvdli Nayudu,~~	~~Do.~~ ~~do.~~	~~Substantive pro tem.~~
~~H. W. Taylor,~~	~~Supervisor.~~	~~Do. do.~~
Serjeant E. Huson,	Overseer.	
C. Ramanna Pantulu,	Do.	
C. H. Marrow,	Do.	
P. Donohoe,	Do.	
S. Ramayya,	Do.	on privilege leave till 7 July 1887

Vizagapatam Division.

(1. 1. 6.)

Lieut.-Col. A. T. Fraser, R.E.,	Executive Engineer.	
W. Knowles,	Assistant do.	
~~R. Harris,~~	~~Supervisor.~~	~~Substantive pro tem.~~
T. T. Russell,	Overseer.	
Serjeant T. Turner,	Do.	
Do. W. Lewis,	Do.	

Godávari Eastern Division.

(1. 2. 8.)

~~W. Hughes,~~	Executive Engineer.	~~On furlough till May 1887.~~
J. E. Paul,	~~Do.~~ ~~do.~~	
J. F. Somers-Eve,	Assistant Engineer.	
S. B. Murray,	Do. do.	
J. D. Legge,	Sub-Engineer.	
Sub-Conductor E. W. Bennett,	Supervisor.	Dowlaishweram Workshops.
Serjeant J. H. Ulyett,	Overseer.	

* The figures in brackets indicate the sanctioned scale of Executive Engineers, Assistant Engineers, and Upper Subordinates for each Division.

C. W. Traish,	Supervisor.
Serjeant J. Alford,	Overseer.
B. Kannayya Lal,	Do.
P. Narasimha Rau,	Do.
S. Mutya Pillai,	Do.

Godávari Western Division.

(1. 2. 5.)

J. S. Wilson,	Assistant do.	~~Engineer.~~
~~W. C. Lewis,~~	~~Do. do.~~	~~In charge~~
R. Vaidyanatha Aiyar, B.C.E.,	Sub-Engineer.	
G. Venkatarau Pantulu,	Do.	
J. Kelly,	Supervisor.	
Serjeant J. E. Patton,	Do.	
S. Trutwein,	Do.	
D. Venkataratnam Pillai,	Do.	

Godávari Central Division.

(1. 2. 4.)

R. A. Srinivasa Aiyangar,	Assistant Engineer.	Probationary.
Serjeant S. Hearne,	Overseer.	
T. N. Rajaram Rau,	Do.	

II CIRCLE.

G. D. Wybrow,	Superintending Engineer.	Temporary.

Kistna Eastern Division.

(2. 3. 9.)

~~W. C. DeMorgan,~~	Executive Engineer.	
C. H. B. Burlton,	~~Do.~~ ~~do.~~	
H. A. Moss,	Assistant do.	
C. H. D. Marjoribanks,	Do. do.	
W. A. Mathews, A.C.E., B.C.E.,	Sub-Engineer.	
T. Subrahmanya Aiyar, B.A., B.C.E.,	Supervisor.	
Serjeant F. Humbly, R.E.,	Do.	
T. Ramanujam Pillai,	Do.	
Serjeant T. G. Blake,	Overseer.	
Mir Sadr-ud-din Sahib, A.C.E.,	Do.	
V. Gangayya,	Do.	

Kistna Western Division.

(1. 2. 6.)

S. D. Pears,	Executive Engineer.	Temporary.
C. W. Wood,	Assistant Engineer.	
A. C. Pereira,	Do. do.	
A. Narayanaswami Mudaliyar,	Supervisor.	
A. Nilakanta Sastri, B.C.E.,	Do.	
J. F. Fonseca,	Do.	
S. Vijayaraghavulu Das Nayudu,	Do.	

Nellore Division.

(1. 3. 9.)

A. A. G. Malet,	Executive Engineer.	Temporary.
J. J. Whiteley,	Do. do.	do.
S. Subrahmanya Aiyar,	Assistant do.	
Conductor J. Lalor,	Sub-Engineer.	
Serjeant E. Cope,	Supervisor.	
T. D. Enright,	Do.	
R. A. Salisbury,	Do.	
Serjeant J. Cherry,	Do.	
J. R. Hendrick,	Do.	On privilege leave till
~~R. Vigor,~~	~~Do.~~	*Substantive pro tem.*
J. A. Sydenham,	Overseer.	
P. Whitbread,	Do.	
Serjeant A. Donaghue,	Do.	
A. Venkatarangarau Nayudu,	Do.	
T. Sabhapati Mudaliyar,	Do.	
C. Singaravelu Mudaliyar,	Do.	

Buckingham Canal Division.

(1. 1. 8.)

C. Vincent,	Executive Engineer.	
F. J. Wilson,	Do. do.	Temporary.
Conductor J. A. Power,	Sub-Engineer.	
H. M. Bond,	Do.	
R. Enright,	Supervisor.	Under suspension.
A. Murugesa Mudaliyar,	Do.	
C. H. R. Morton,	Do.	
D. Venkataswami Nayudu,	Overseer.	
P. Narayanaswami Nayudu,	Do.	

III CIRCLE.

~~Colonel H. M. Vibart, R.E.,~~ C. J. Peters — Superintending Engineer. Temp.

Bellary Division.

(1. 0. 6.)

A. H. Garrett,	Executive Engineer.	
Captain W. Jackson,	Assistant do.	Supernumerary.
Sub-Conductor R. W. Ward,	Sub-Engineer.	
T. Muniswami Mudaliyar,	Overseer.	
H. S. Lazarus,	Do.	
Private J. Ruck,	Do.	
Serjeant W. Rule,	Do.	

Cuddapah Division.

(1. 1. 4.)

J. C. Johnston,	Executive Engineer.	
Serjeant S. Ainley,	Supervisor.	
N. Kumarasawmi Achari,	Overseer.	
C. W. Chinnappa Pillai,	Do.	
N. Appadurai Mudaliyar,	Do.	
~~J. Elliot,~~	~~Do.~~	Substantive pro tem.

Kurnool Division.

(2. 1. 11.)

~~C. J. Peters,~~ G. P. Carless, S. Gopala Krishna Aiyar	Executive Engineer.	Temporary.
S. W. Ottmann,	~~Do.~~ Do. ~~do.~~ Assistant do.	— do — Honorary.
Sub-Conductor H. Frankland,	Sub-Engineer.	
Conductor J. Nicholson,	Do.	
E. A. French, A.C.E.,	Supervisor.	
~~J. O. Donnelly,~~	~~Do.~~	
S. Panchapakesa Aiyar,	Overseer.	
J. Lawrence,	Do.	
Serjeant L. Donaghue,	Do.	
E. Krishna Aiyar,	Do.	
M. Muttuvira Pillai,	Do.	
T. A. Monisse,	Do.	~~On sick leave till~~

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IV CIRCLE.

Colonel J. Beatty, R.E., — Superintending Engineer.

Nilgiri Division.

(1. 0. 4.)

W. B. deWinton,	Executive Engineer.	~~On privilege leave till 20th April 1887.~~
C. A. B. Target,	Do. do.	
Sub-Conductor R. A. Bragg,	Sub-Engineer.	
Sub-Conductor A. C. Lord,	Supervisor	
Serjeant H. Webb,	Do.	

Coimbatore Division.

(2. 2. 12.)

Captain O. V. Boddy, R.E.,	Executive Engineer.	On privilege leave till 2? June 1887.
S. Subharaya Chariyar,	Do. do.	~~Leave to go to Ooty~~ Temp.
A. T. Mackenzie,	~~Assistant~~ do.	
Sub-Conductor J. Cormac,	Sub-Engineer.	
J. Mahony,	Sub-Engineer.	
R. Kalyanarama Aiyar, A.C.E.,	Supervisor.	
S. C. Saldanha, B.C.E.,	Do.	
Sub-Conductor T. B. Smith,	Do.	
N. Nadhamuni Mudaliyar,	Do.	
S. Raghava Aiyangar,	Do.	
Serjeant R. T. Healy,	Overseer.	
C. Masilamani Mudaliyar,	Do.	
L. A. Rangaswami Aiyar,	Do.	
C. Murugesa Mudaliyar,	Do.	

West Coast Division.

(1. 1. 8.)

H. S. Taylor,	Executive Engineer.	
P. R. Allen,	Assistant do.	
Conductor R. P. Lennon,	Sub-Engineer.	
Serjeant D. Mackintosh, R.E.,	Supervisor.	~~On privilege leave till 6th April 1887.~~
Sub-Conductor H. Hollingsworth,	Do.	
A. E. C. Vaz,	Overseer.	
J. Timothy,	Do.	
J. Pereira,	Do.	

S. B. DeRebello,	Overseer.	
E. S. Noronho,	Do.	

V CIRCLE.

Colonel W. H. Burton, R.E.,	Superintending Engineer.	Substantive *pro tem.*

North Arcot Division.

(1. 2. 7.)

Colonel H. Smalley, R.E.,	Executive Engineer.	
F. W. Ashpitel,	Assistant do.	
Lieutenant W. C. S. West,	Do. do.	Supernumerary.
V. Kuppuswami Aiyangar,	Supervisor.	
V. R. Kuppuswami Mudaliyar,	Overseer.	
Serjeant H. Slaney,	Do.	
J. Willis,	Do.	
S. T. Raghava Aiyangar,	Do.	
V. Subrahmanya Sastri,	Do.	
~~C. Kuppuswami Mudaliyar,~~	~~Do.~~	~~Substantive *pro tem.*~~

South Arcot Division.

(1. 1. 8.)

J. Larminie,	Executive Engineer.	
J. W. Martin,	Do. do.	
C. A. Smith,	Do. do.	Temporary.
H. C. Berlie,	Sub-Engineer.	
Sub-Conductor F. Heinig,	Do.	
J. E. Lafrenais,	Do.	
W. Masilamani Mudaliyar,	Overseer.	
G. M. Subbarayulu Nayudu,	Do.	
V. Krishnaswami Mudaliyar,	Do.	
P. Ramanarayan Pondai,	Do.	
V. Govindarajulu Mudaliyar,	Do.	
Gunner T. Murphy,	Do.	
S. Panchanatha Aiyar,	Do.	

Chingleput Division.

(2. 1. 7.)

Captain L. Langley, R.E.,	Executive Engineer.	Honorary.
C. Muhammad Qasim Sahib,	Assistant do.	
J. B. Sanderson,	Sub-Engineer.	

C. Velayudham Mudaliyar,	Supervisor.	
Sub-Conductor J. Kelly,	Do.	
K. Duraiswami Pillai,	Do.	
C. R. Chinnaswami Aiyangar,	Do	Substantive *pro tem.*
P. Panchapakesa Aiyar,	Overseer.	
M. R. Bresnahan,	Do.	
~~A. W. J. Pinn,~~	~~Do.~~	
N. Murugesa Mudaliyar,	Do.	

Presidency and Bangalore Division.

(1. 1. 7.)

Colonel R. Thompson, R.E.,	Executive Engineer.	
Captain W. D. Lindley,	Assistant do.	Supernumerary.
Lieutenant S. C. Plummer,	Do. do.	Apprentice Instructor.
Conductor A. Milne,	Sub-Engineer.	Do.
Serjeant A. Temple,	Supervisor.	
Serjeant R. W. MacAlister, R.E.,	Do.	
Serjeant T. Green, R.E.,	Do.	
Abdul Latif Sahib,	Do.	
A. Kuppuswami Mudaliyar,	Overseer.	
C. Shanmukham Mudaliyar,	Do.	
Corporal W. L. Emery,	Apprentice Overseer.	
Lance-Corporal B. Reynolds,	Do.	
" " P. King,	Do.	

Workshops.

(1. 0. 2.)

A. Joyce,	Executive Engineer.	
S. Francis,	Sub-Engineer.	

VI CIRCLE.

Lt.-Colonel J. Pennycuick, R.E.,	Superintending Engineer.	

Trichinopoly Division.

(1. 0. 6.)

Lt. & Dy. Asst. Commy. D. Falvey,	Executive Engineer.	Officiating.
C. S. Srinivasa Aiyar,	Overseer.	
K. C. Visvanatha Aiyar,	Do.	
J. B. Rodrigues,	Do.	

P. Moses,	Overseer.	
S. Sambasiva Aiyar,	Do.	

Tanjore Division.

(1. 2. 9.)

C. M. Smith,	Executive Engineer.	
A. M. Foord,	Do. do.	Temporary.
T. Subrahmanya Pillai,	Assistant do.	Honorary.
S. Krishnamachariyar, B.C.E.,	Sub-Engineer.	
V. Kodandapani Mudhliyar,	Supervisor.	
E. Dady,	Do.	
N. Rajagopala Aiyangar, B.C.E.,	Do.	
P. Ratnaswami Mudaliyar,	Do.	
K. Visvanatha Aiyar,	Overseer.	
M. Muniswami Mudaliyar,	Do.	
N. Ramaswami Pillai,	Do.	

Negapatam Division.

(1. 1. 7.)

G. E. Manson,	Executive Engineer.	Temporary.
J. Inglis,	Assistant do.	
Conductor C. J. Littlewood,	Sub-Engineer.	Substantive *pro tem.*
T. Vaidyalingum Pillai,	Supervisor.	
~~C. Vettivelu Pillai,~~	~~Do.~~	
A. D. Joseph Pillai,	Do.	
D. Muttirulappa Pillai,	Overseer.	
J. C. Campbell,	Do.	

Madura Division.

(2. 1. 12.)

J. Grimes,	Executive Engineer.	
H. E. Clerk,	Do. do.	Temporary.
~~S. Gopala Krishna Aiyar, B.C.E.,~~	~~Assistant do.~~	
R. Gopala Aiyar, B.C.E.,	Do. do.	Probationary.
C. Chinnatambi Pillai, A.C.E.,	Sub-Engineer.	
P. Mahony,	Do.	
J. M. Taylor,	Supervisor.	
Abdul-Karim Khan Sahib,	Do.	

1146 & 62 / 67

V. Nityananda Mudaliyar, B.A., B.C.E.,	Supervisor.	
~~P. Muruggesam Pillai,~~ C. Vettivelu Pillai	Do.	
C. Subrahmanya Aiyar,	Overseer.	
V. Subharaya Pillai,	Do.	
S. K. Ramachandra Sastri,	Do.	
T. Gnanasambandam Pillai,	Do.	
P. M. Arumukham Pillai,	Do.	
R. Srinivasachariyar,	Do.	
H. LaFontaine,	Do.	
P. Krishnamachari,	Do.	
J. W. Walsh,	Do.	

Tinnevelly Division.

(1. 1. 6.)

A. S. Russell,	Executive Engineer.	
~~A. M. Hayes,~~	~~Do. do.~~	~~Temporary. On privilege leave till.~~
W. V. Baker,	Assistant do.	Honorary.
T. T. Raghavachariyar, B.C.E.,	Sub-Engineer.	
T. Fitzgerald,	Supervisor.	
S. K. Govinda Rau,	Do.	~~On sick leave till.~~
M. Arumanayakam Pillai,	Do.	Temporary.
Serjeant C. Coghlan,	Overseer.	
A. Srinivasa Sastri,	Do.	

Ramnad Division

C. A. B. Jaget - Executive Engineer -
P. Muruguesam Pillai - Supervisor
S. K. Ramachandra Sastri - Overseer

LIST OF SECONDED OFFICERS.

Name.	Rank.	Cause of Absence.	Date of Return.
Mr. J. W. Rundall ...	Superintending Engineer.	On 2 years' furlough.	28th July 1887.
Lt.-Col. C. Bowell, R.E. ...	Do. ...	On other duty	.....
Major A. C. Smith R.E. ...	Executive Engineer.	On 1 year 1 mt. 14 ds. furlough.	March 1888.
Major D. McNeil Campbell.	Do. ...	On 1 year 2 ms. 17 ds. furlough.	May 1888.
Lt.-Col. S. C. Clarke, R.E.	Do. ...	On 15 months' furlough	1st December 1887.
Major R. R. E. Drake-Brockman, R.E.	Do. ...	On 1 year & 275 days' furlough.	21st March 1888.
W. Hughes	Do	On 5 mths. furls	8 July 87.
Mr. J. M. Bell.	Do. ...	On 1 year 10 ms. 9 ds. furlough.	17th June 1887.
Captain C. Kensington ...	Do. ...	On 1 year & 321 days' furlough.	3rd June 1887.
Captain A. F. Dorward ...	Do. ...	On field service ...	.....
Mr. C. H. T. Norfor ...	Do. ..	On 2 years' furlough.	30th November 1887.
~~Mr. C. A. B. Target ...~~	~~Do. ...~~	~~On other duty ...~~	... ..
Mr. J. D. Grant	Do ...	Do. ...	.....
Captain C. C. Rawson ...	Do. ...	On 2 years' furlough.	4th May 1888.
Captain A. W. Smart, R.E.	Do. ...	On 1 year & 138 days' furlough.	9th December 1887.
Mr. J. Traill	Do. ...	On 6 ms. special leave.	18th July 1887.
Mr. C. J. Ussher	Do. Sub. *pro tem.*	On 1⅔ years' furlough.	9th October 1887.
Mr. B. H. Young	Assistant Engineer.	On 15 months' furlough	1st July 1887.
Mr. W. Jopp	Do. ...	Do. do.	1st July 1887.
Mr. A. B. Todd	Do. ...	On 2 years' furlough.	24th August 1887.
~~Mr. W. L. Bird ...~~	~~Do ...~~	~~On 2½ do. ...~~	~~18th April 1887.~~
Mr. H. H. O'Connell ...	Do. ...	On 1½ year's furlough.	October 1888.
Mr. G. B. Lambert ...	Do. ...	On 20 months' furlough	28th November 1887.
N. Ratnashbhapati Pillai ...	Do. ...	On 1 year's furlough.	28th December 1887.
J. W. H. Ellis	Sub-Engineer ...	On other duty ...	.....
Mr. E. Haldwell	Do. ...	Do.	.....
E. Taylor	Supervisor ...	Do.	.....
U. N. Joyce	Do. ...	Do.	.....
Muhamad Jafar Husain Sahib.	Overseer ...	Do.	.....

4684/68

Nos. 283—293 G.

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.

GENERAL.

To

THE GOVERNMENTS OF MADRAS, BOMBAY, BENGAL, NORTH-WESTERN PROVINCES AND OUDH, AND PUNJAB.

THE CHIEF COMMISSIONERS, CENTRAL PROVINCES, BURMA AND ASSAM.

THE RESIDENT AT HYDERABAD.

THE AGENTS TO THE GOVERNOR GENERAL FOR CENTRAL INDIA AND RAJPUTANA.

Fort William, February 5, 1887.

SIR,

With reference to the call made in this Office Nos. 107—17 G., and Nos. 131—39 G., dated respectively the 17th and 18th January 1887, for revised estimates of Engineer and Upper Subordinate Establishments suited to present circumstances and to the grants at your disposal, I am directed to request that you will carefully estimate the work on which the Establishment is expected to be employed with a reasonable margin for contingencies and frame your proposals accordingly. The comparison of Establishment with work should be made in the manner described in the following paragraphs, and the result forwarded concurrently with your revised estimate of Establishment to the Government of India.

2. It is observed that the strength of the Engineer and Upper Subordinate Establishments, on which depends the number of Divisions, mainly determines the cost of the Establishment head 'Construction' and the corresponding head 'Executive' in the case of Irrigation Works, which is the most costly item of Establishment and the only one capable of much variation. As soon therefore as their strength is determined, it should be an easy matter to work out the total cost under each of the heads—

Direction,
Accounts,
Construction or Executive,

with the additional heads in the case of Irrigation Establishment. It will be well that the complete Establishment estimates, after revision, should be given in the same detail as in the form which accompanies the several Budget Estimates, and submitted with your reply.

3. Wherever the Establishments for Buildings and Roads and Irrigation are separate, separate estimates for each must be prepared.

4. The work that is to be done by each Establishment, estimated as above, should then be stated as follows, Buildings and Roads and Irrigation being separately worked out:—

Buildings and Roads Revenue under the control of the Establishment.
Irrigation Revenue (direct only).
Repairs.
Original Works.

When the above heads of Revenue and Expenditure are included in several Budget Estimates, all worked by the same Establishment, the several items under each head from the several Budgets must be separately shown.

P. W. C. 1194

5. In regard to Local Fund works the following instructions are to be observed :—

Where the Provincial Establishment carries out Local and Provincial works indiscriminately as in the Provinces of Assam and Burma, the local works may be included in the calculations of para. 4, but it should be stated what is the cost of any minor Establishments which are not included in the estimate framed as in para. 2.

Where, as in the North-Western Provinces and Oudh, the Public Works Establishment is, to a considerable extent, lent to the Local Boards, and its cost included in the Local Fund Budget, no Local Fund outlay should be included in estimating the normal charge, nor, on the other hand, must such Establishment be included in the estimate of para. 2, but in working out the strength of the grades, which are to be distributed between Provincial and Local, the men of the permanent Establishment provided for Local may be included.

Where, as in Bombay, the Punjab, and Central Provinces, a percentage is charged for works done for the Local Boards by the Public Works Establishment, and at the same time Local Establishments exist, the amount may be included in the figures of outlay, para. 4, and the percentage allowed by local usage added in the calculations of para. 6.

Where, as in Madras and Bengal, the Local Fund Establishments and works are wholly separate from the Provincial, no account whatever should be taken, either of the charge for Local works or Establishment.

6. The normal cost of Establishment should then be worked out from the sums obtained against the several heads of para. 4 by charging—

5 per cent. on Buildings and Roads Revenue,
10 „ Irrigation Revenue,
23 „ Works and Repairs,

and the total cost so obtained, as the normal cost of Establishment for works, must be compared with the actual cost of the estimates framed, as in para. 2. If the latter is greatly in excess of the normal cost, the cause of the excess must be explained.

7. I am to add that, in framing their estimates of Establishment now asked for, Local Governments should not be in any way influenced by considerations of the present strength. What is required is an estimate of Establishment adapted to carry out economically a certain outlay on works under present rules and conditions, but, if possible, on a reduced strength. Whatever Establishment under the proposals now to be made becomes supernumerary should be reported in submitting the estimate, and can be dealt with separately after the proposals, now called for, have been approved.

I have the honor to be,
SIR,
Your most obedient Servant,
G. H. D. WALKER,
Offg. Under Secy. to the Govt. of India.

C. I. C. P. O.—No. 557 P. W. D.—6-2-87—212.

[C. No. 8.] 1146 & 49/70

GOVT. OF MADRAS. | 188 . | P. W. DEPT.

EXAMINER, P. W. ACCOUNTS.

Madras, 19th March 188 7.

OFFICE NOTE No. 834

To
Executive
W.

Your O. No. No. 874. C. dated 15th March 1887.

Herewith, the required statement.

KEEP WITH Genl. No.

dated 188 .

C.

(B)

1146
1147 W

Cmos 2305 & 2322

1146 & 47
84 71

To W

Proposed to keep these papers over until we hear officially about the additional three lakhs which it is understood the G. of I. have sanctioned.

C4
22.3.87

Ex. I sent a note before the correspondence refers to in the last part of Col. Percy's note.

Dce
22/3/87

Note. 1146 & 47
84

Herewith are the revised
nts of contributions on account
blishment. From Statement A
he seen that the contributions
nds other than Provincial amount
23,116; and as the estimated cost
blishment during 1887-88 is
614, the balance to be provided
ovincial will be Rs. 5,97,498.
Financial Department have
ed the debit to Provincial
unt of Establishment to
000 as provided for in the
nary issue of the Provincial
. The excess assignment
rovincial is therefore Rs(6,50,000
7,498 ~~Rs~~)52,502 which can be
l by making provision for
y Establishment.

Blue
mitte
Key
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this mat.

7/
7/4

(B)

F 21.3 67

1146
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Cios 2305 & 2322

1146 Jg
to 71

Ja W

Proposed to keep
these papers over
until we hear
officially about
the additional
three Latchis which
it is understood
the G. of D. have
sanctioned.

C1

22.3.87

Ld. Iveagh & Mr Baker the
Correspondence refers to in the
latter part of Col Pamphlet
note.

Lcc
22/3/87.

Bleu
Iley
of J
this mat.

11/5/14

1146847
74

1146847
72

22 Le 91

1146647

W

1146647

Co. 194.

IV

11466/47

74

It cannot be the intention of the Govt of India that the 6% on Indirect Revenue should be omitted in calculating the percentage on Revenue available for Establishment (IV); but as I understand from Govt Nos 283-293 G of 5th Feb 1887 no mention has been made of Indirect Revenue; two statements have been prepared, one of which excludes the 6% on Indirect Revenue. From this statement B it will be seen that the total contributions amount to Rs 13,19,325 and deducting from this 2,07,412 Prov. Cess remains only 10,31,916 Rs to be added to the Provincial Grant of 6,50,000 for Forest. The total of these being 16,81,916 against the Estimated cost of Establishment of Rs 20,20,614 it follows that if the 6% on Indirect Revenue be omitted, it will be impossible to pay for more than $\frac{3}{4}$ of the Permanent Establishment

The figures in Statement A which includes the 6% on Indirect Revenue, the total Contributions amounts to Rs 17,10,525 and adding to this amount the Provincial grant of 6,50,000 less 2,07,412 Prov. Cess Rents, included in the 17,10,525; in

1166/47

have a sum of 20,73,116 available for establishment against an estimated cost for permanent list of Rs 20,20,614; the difference between this is 52,502 is the amount available for temporary establishment.

If more remains to be seen how this can be divided between

(1) Tank Maintenance

(2) Different works.

According to Col Brandt's scheme 42,000 will be required under the head of temporary list, for the Tank Maintenance; this will leave 10,000 available for other purposes.

Both Statements include Rs 3,00,000 lotteries grain.

For orders

Recd 6.4.07.

6.4.07.

Recd Dy Secy 11.4.07

1146/47
76

1. Approved.

2. I do not see the necessity for
the Secretary's being present
at the Board and preparing
correspondence before that
instructions of this Board are
received from those of the Board
that obtained decision; nothing
will be lost.

3. In reply to Sir H. the usual reply
to correspondence in Col Secretary's
Office giving no decision but
to be obtained by Col Secretary
of H after he received
decision of our Board on the spot.

4. Approved

5. This case can be decided
by Col Sec. Lands without
reference to this Board
and Palestine or Beirut. In all
such matters that can be dealt
with by correspondence
only, this Board being therefore
for the most part
to deal with matters
requiring personal
attendance of the Members
that list, the Secretary has been
directed to be omitted

Jan
13/4/07

Blue
Grey
of J
this Board.

11/2/94

11464/47

77

To W

1. Submitted that the Budget may be framed on the usual basis - & the reply to G. of I. letter No 283-93 & 5.2.87 sent separately.

2. With the latter paper, two Statements ought be sent; one including the 6 per cent on indirect Revenue, & the other excluding it. & the attention of the G. of I. can be drawn to previous correspondence in which the 6% was allowed for this Prov.

3. All the other information asked for by the G. of I. in their letter of 5th July can now be given in appendices

A

instructions will be sent to the Quarter Office to go on with the preparation of the final budget on the usual lines. A draft reply to the G.O.C. letter will at once be taken up here.

A lump sum provision of Rs 52,50 can be made in the budget for temporary establishment, & the amount can be apportioned in detail hereafter.

Cir

1166/47
28

There papers were given to Mr. Bliss when here after Finance Committee & are returned with this note. They may be of use when reply is sent to G of I on the subject of cost of establishment.

Secy
2/3/87.

Division —

Statement C

Should be checked by B — We are not taking into account the value of Grant of [redacted]

Rs 2,22,600 recently

1166/47
94

College Municipal Hall
Brussels 17/10/27

My dear Shaftesbury

Referring to our conversation with Jonnaert at the Hotel Metropole in Brussels on the 15th inst. I am now enclosing the Petition of the Brussels Committee, addressed to the President, praying for the appointment of a Royal Commission to enquire into the Belgian Railway Question.

I shall be glad if you will kindly present the Petition to the House of Lords.

Yours sincerely
Solvyns

Chairman
Municipal Council
Brussels

P.S. 2.22.600 [illegible]

instructions will be

I'm sure you are right in your view.

Yours truly

D. Wilson

1146/47
82

1146/47
80

21.4.87

Dear Colonel Bastard

I have retained for his Excy's personal G.O. No 2696 W. D 16th Oct 82 Code.

Yours truly

J. Wilson

Colonel Bastard
R.E.

X What is this? Jas
Shown to Sir

V against
the Nowra
Charge of Rammed
Division -
Statement C
Planed be
by B - We
not taking, in
account the
Group of
Rs 2,22,400 recently

Given by Financial Dept

B cleared also check carefully the figures in para 4 & 5 of the letter to Kuria.

Private copy for signature should be sent up for his signature — he can depatch it direct from here to Singapore & the Peace Officer can go from Kuantan to obtain the affidavit from Sherbatch & forward it to us

C.C.
22/4/57

H.C. 1146/57

Please have the statements checked soon as desired by C.A.W. and let me see the file before it goes to press.

J.B.
25/4

Shall I send a Draft Letter to Kuria

H.C.
25/4/57

Yes. Please do. Draft Letter to Kuria

J.B.
26/4

S. A. W.

Letter to India Ecc 1147 W
& 26.4.87 -

Signed printed copy
of this paper has this
evening been despd
to Simla from here.

W. Minto is a pity
that we took any
account of the provision
for temporary extract,
this rather materially
altering our figures.
Anyway, as the
thing has been done,
W. desires that a
footnote, as per accy.
slip, be inserted
at foot of the letter.
We have made the
setting in type in the
printed signed copy,
but it would be
printed at foot
of all manuscripts,
on the space at
bottom of page 2 of
the letter - A.S.G.

11/5/14

Can be entered above the figure Rs 21,09,608 in the third line of para 4 of the printed letter & a corresponding slot can be placed on the foot note -

Shall enlist the remarks in the margin of the draft letter.

Spare Officers can be sent from Wards to Secretariat

The marginal note made against the last para of the letter need not be inserted in printed one.

H.C.

Please attend to this & let Bs see it - I shall be glad to see you before you leave for Delhi

1146/46
85

Note.

1146/46
85

Herewith are the revised statements of contributions on account of Establishment. From Statement A it will be seen that the contributions from funds other than Provincial amount to Rs. 14,23,116; and as the estimated cost of Establishment during 1987-88 is Rs. 20,20,614, the balance to be provided from Provincial will be Rs. 5,97,498. But the Financial Department have restricted the debit to Provincial on account of Establishment to Rs. 6,50,000 as provided for in the preliminary issue of the Provincial Budget. The excess assignment under Provincial is therefore Rs (6,50,000 — Rs 5,97,498 — 12) 52,502 which can be utilised by making provision for Temporary Establishment.

No 7/4/87-R-25-4-87

7/4

2. 40

1146847

1146847
86

This item includes a small sum remaining of Rs 82-5-4 for temporary establishment from which the pay of subordinate office establishment employed in Court of Wards Estates can not be met.

cluded from the Madras Office

HB.

original HW

of the Irrigation branches the Northern Provinces, and inted out that so far as e establishments were concerned the percentage of 23 on works expenditure (or 25 as I think it was then) could only be arrived at by debiting a wholly impossible proportion of the total esta- -blishment to revenue.

As far as I remember the result of our analysis was that if 23 per cent on the works expenditure was debited to works the balance of the total esta- -blishment amounted to some

C.R.W.

1146847/87

Letter to Govt of India
no 1147 W regarding Madras
Public Works Establishment
is submitted for w/s
signature and despatch
to the Govt of India

Please advise date of
despatch so that copies
of this may be sent to
India from Madras Office

H.B.

with original

F.H.W

V. 40

1146847/88

I understand that the Govt
of India is again raising the
question of percentage of
establishment and if there is
to be any discussion on this
question the following notes
may be of use to you.

Some years ago, in connection
with this same subject we
analysed the revenues returns
of the Irrigation branches
of the Northern Provinces, and
pointed out that so far as
those establishments were
concerned the percentage of
23 on works expenditure (or
25 as I think it was then)
could only be arrived at by
debiting a wholly impossible
proportion of the total esta-
-blishment to revenue.

As far as I remember the
result of our analysis was
that if 23 per cent on the works
expenditure was debited to works
the balance of the total esta-
-blishment amounted to some

V. 40

1146847

86

W.

I understand that the Govt. of India is again raising the question of percentage of establishment and if there is to be any discussion on this question the following notes may be of use to you.

Some years ago, in connection with this same subject we analysed the revenue returns of the Irrigation branches of the Northern Provinces, and pointed out that so far as these establishments were concerned the percentage of 23 on works expenditure (or 25 as I think it was then) could only be arrived at by debiting a wholly impossible proportion of the total establishment to revenue.

As far as I remember the result of our analysis was that if 23 per cent on the works expenditure was debited to works the balance of the total establishment amounted to some

16 per cent on the revenue, or if 7½ per cent of the revenue were debited to revenue establishment, the balance amounted to 40 per cent on the works expenditure.

The reply of India was to the effect that they did not attach much importance to the question of percentage the amount of establishment required depending on the particular circumstances of each case. This tardy recognition of the principle for which we had all along been contending meant of course that they found our figures unanswerable.

As the old line of argument has now been returned to it might be as well to look up this correspondence which is presumably in your Office. To the best of my recollection it took place in 1881 or early in 1883 I think in the latter year.

At that time the revenue returns showed only the establishment as a whole, and

made no division between works and revenue, but in the latest returns (1885-86 Statement I-C.) this division is made, but it is clearly a purely arbitrary one and bears no relation to actual facts, which indeed it is obviously impossible that it should do.

In Bengal the Direction and Executive establishment is equally divided between "Revenue establishment" and "Maintenance of works." In the North Western Provinces and the Punjab the principle of division is not very clear, but works are apparently debited as in Madras with a fixed percentage on the expenditure, plus the cost of special establishments, the whole balance of establishment being debited to Revenue.

The following are the figures as given in the Revenue reports (I-C) for these Provinces.

	Bengal	N.W.P	Punjab
(1) Revenue	2,08,617	54,55,641	38,66,318
(2) Expenditure on works & repairs	7,95,552	9,83,652	12,66,651
(3) Revenue Management	3,81,788	9,32,166	4,98,586
(4) Works Establishment	92,581	2,96,993	3,28,786
(5) Total of (3) and (4)	4,74,369	12,29,159	8,27,372
(6) Percentage of (3) to (1)	18.10	17.08	12.87
(7) — " — of (4) to (2)	11.64 (!)	30.18	25.54
(8) 7½ per cent on (1)	158,146	409,173	289,973
(9) 23 per cent on (2)	182,977	226,240	291,330
(10) Total of (8) and (9)	341,123	635,413	581303
(11) Proportion of (5) to (10)	1.39	1.93	1.42
(12) Differences between (5) and (8)	316,242	819,986	537,399
(13) Percentage of (12) to 2	39.75	83.36	41.76

Lines 8, 9 and 10 show what the actual cost of collection and works supervision would be in Madras and line 11 shows the proportion in which this cost is exceeded in the Northern Provinces. The actual cost in the Revenue Department is only 6 per cent on the Revenue, and the additional

* The total of these allowances for 1884-85 amounted to Rs 3,36,686; 2½ per cent on the Irrigation revenue for that year was Rs 3,49,784-

Tools and plant are left out of the calculation as they would complicate it, and their amount is unimportant

2½ per cent on the total revenue is an over liberal allowance for the debits to revenue allowed in the P.W.D. and for the cost of special establishments.*

It is stated that the percentage of 23 per cent on works expenditure is derived from the total expenditure on works and establishment over the whole of India, but the details of these totals have never been published and it is not known how they have been arrived at.

It is certain that these totals cannot include the actual expenditure on Irrigation establishments in the Northern Provinces, for the very sufficient reason that these actuals are not known, the total cost of establishment being arbitrarily divided (see especially the case of Bengal mentioned above) between revenue &

and maintenance of works.

In the absence of any other explanation it can only be supposed that the proportion of 23 per cent is derived from the total expenditure on works other than Irrigation the proportion thus formed being then applied to Irrigation works as well

If so it is no wonder that a proportion smaller than we find it possible to work with here has been arrived at. The works which give the percentage of 23 per cent must be chiefly made up of "Military works" "Imperial" other services, and "Provincial" and the greater part of the expenditure must be on buildings, a class of works notoriously requiring the smallest proportion of establishment, on account of the concentrated nature of the expenditure.

It has been shown above

1146 & 47
91

that the average expenditure on works establishment in the Northern Provinces is not 23 per cent but more than 40, and if we apply this percentage to our Irrigation grants for next year we should get.

Works 35,22,143
Establishment ... 14,08,857

Total grants Rs 493,000 *

For services other than Irrigation our total grants for next year are I believe about Rs 27,00000 and accepting the percentage of 23 for these services the distribution would be

Works 21,95,122
Establishment 5,04,878

This gives a total of Rs 19,13,735 for establishment, exclusive of contributions from Local Funds, Wards' Estates &c. - and charges against Irrigation revenue which would probably bring

* This includes the additional three lacs lately granted, as well as the grants from Provincial funds.

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the total up to over 22 lacs.

One noticeable point in the figures given above is the enormous expenditure on works and repairs as compared with the Revenue. It is easy to keep your percentage of establishment down if you spend a third of your revenue on works.

P.W.C. No. 232

L 22.3.87

21.3

Extract of letter from 1887 on C

1150

W. 7-4-87. R.OL-14-87

Cus 7822
vide mine No. 1146 W
Wood to Lee
P.D.

1146 W 87 / 92 / Genl Estabt

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 26th April 1887

READ the following

Letter from the Govt of India (M.E. No. 283-293 G dt 5th Feby 5. 1887)
Telegram to the D. do - - 529 W dt " 22 - "

Print your opinion

Ordered that the Government of India be addressed.

(M. No. 1147 W dt 26 Apl 1887)

No.

The Secretary to the Government of India, P.W.D.

Sir,

With reference to my telegram of the 22nd February 1887, I am now directed to reply to your letter No. 283-293 G dated 5th idem.

2

2. The following statements are submitted for the information of the Government of India.

(A). Estimate per Budget form of the cost of the establishment of the Madras P. W. Department working up to a total of Rs. 21,20,644.

(B). Statement dividing the above total cost under the three heads, Direction, Accounts and Construction.

(C). Statement showing the grant for Works and Repairs under the several service heads, the Building and Lands, and Irrigation Revenue, and the normal cost of establishment obtained by charging:—

5 per cent on Buildings & Lands Revenue.

10 per cent on Direct Irrigation Revenue.

6 per cent on Indirect Irrigation Revenue.

23 per cent on Works & Repairs.

(D) Statement showing in detail the P.W. Circles and Divisions of this Presidency and the distribution therein of the sanctioned establishment of the Department.

3. In paras 4 and 6 of your letter under reply, no mention is made of contribution to establishment on account of indirect revenue, and this is no doubt because your letter is a circular addressed to all Local Governments and Administrations, but this Govt. do not suppose that, so far as this Presidency is concerned, it is intended

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to exclude this important
item. That the circumstances
of this Presidency (with respect to the system of collecting irrigation revenue) are
widely different from
those of other Provinces
has already been prominently
brought to the notice of
and has been admitted by
the Govt of India; and in
Colonel Trevor's letter No
191 Ag. dated 20th Feby 1882,
a charge of 6 per cent on
the gross indirect revenue
due on Productive Irrigation
and Navigation Works was
allowed as a grant-in-aid
from Imperial funds
towards the cost of
Provincial establishment.
It was then admitted

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that this concession was
made to afford substantial
relief to provincial revenues,
and to place Madras in as
favorable a position as
other Provinces. The direct
Irrigation Revenue realised
by the P.W. Department in
this Presidency is so trifling
in amount, that a contribution
of 10 per cent thereon, without
any contribution on account
of indirect revenue, would
be scarcely worth taking
credit for. In working out
the cost of establishment
as required by para 6 of
your letter under reply, credit
has therefore been taken
for 6 per cent on indirect
Irrigation Revenue.

4. It will be seen from statement (C) that the cost of establishment thus worked out amounts to Rs 16,59,376, whereas the estimated cost of the existing establishment amounts to Rs 20,20,614. The difference is Rs 3,60,983, and under para 6 of your letter, an explanation of this excess is required. In your para 7, it is remarked that in framing their estimates of establishments now asked for, Local Govts should not be in any way influenced by considerations of present strength. That this Govt have not been influenced by such considerations will be apparent from a

+ This sum includes a lump sum provision of Rs 82,542 for Temporary establishment employed in Coorg forwards. Details as will be sent.

comparison between the budget estimates for establishment for the year 1886-87 and that for 1887-88. While the former amounted to Rs 24,59,156, the latter amounts to Rs 20,20,614, and the large reduction made at the end of the year 1886-87 will shew that this Govt have loyally responded to the requirements of the Govt of India in the matter of effecting economy in establishment. It is needless to remark that so large a reduction could not have been made without considerable inconvenience and dislocation of working arrangements, and H.E. the Governor in Council prefers

~~currently depreciate any~~ is stripped not pulled
~~further reduction~~. The ~~Amount~~ estimate is impossible

of establishment now submitted,
Rs 21,29,697 is approximate
Rs 20,20,614, ~~is a reasonable~~
~~to~~ the amount, Rs 20,64,000
sanctioned by the Govt of
India in your office letter
No 1250 G dated 23d Sept 1881,
as the normal cost of
establishment for Madras.
The peculiar circumstances
~~of great size~~
of this Presidency, the
scattered nature of its
works, and its needs with
respect to P.W. establishment
have already been ~~exhaustively~~ explained to the
Govt of India in the
correspondence ending with
your letter No 638 G dated
26th May 1884; and it seems

needless now to recapitulate
arguments which have
already been practically
accepted by the Govt of
India. It will be sufficient
apparently to recall the
attention of that Govt
to Colonel Sankey's memo-
randum printed as Appendix
E to this office letter No
2696 W, dated 16th October
1882, in which the impossibility
of regulating the cost of
establishment by a hard
and fast system of
percentages on revenue
and expenditure, or of applying
such percentage charges
as a test of economical
and efficient management

than that for
Rs 4,38,542. The
establishment
been reduced
h greater ratio
timate for works.
therefore to express
the Govt of
accept the estimate
ment now submitted
of any comparison
with the percentage
ted at in the
dicated in para
letter under reply

25.4.87

was clearly demonstrated. The note submitted to the Govt of India by Colonel Brownlow after enquiry on the spot into the needs of this Presidency with respect to P.W. establishment, will further prove that the cost of ~~maintaining the irrigation systems of Madras~~ the P.W. establishment considered necessary in Madras is not unreasonable.

5. The Budget grants under all heads for works and repairs in 1886-87 amounted to Rs 64,17,907, while those for 1887-88 aggregate to Rs 58,71,824. While therefore the works grant for 1887-88 is less than that for 1886-87 by Rs 5,46,083, the estimated cost of establishment for the present

* This figure has since been augmented by an additional grant of Rs 2,22,400 for Provincial Civil works making the Local Govt.

year is less than that for 1886-87 by Rs 38,542. The estimate for establishment has therefore been reduced in a much greater ratio than the estimate for works.

6. I am therefore to express a hope that the Govt of India will accept the estimate of establishment now submitted irrespective of any comparison of its cost with the percentage charges worked out in the manner indicated in para 6 of your letter under reply.

25.4.87

14/4/87

№ 408 Ia/26.5.82 № 363.4 W a/9.2.87
" 409 Ia/26.5.82 " 416 W a/10.2.87
" 700 Ia/6.9.82 " 474 W a/15.2.87
" 1075 Ia/27.10.83. " 592 W a/18.2.87
" 885 W a/8.4.85 " 594 W a/22.2.87
" 3011.12 W a/20.10.83. Ob. L.
" 336.337 W a/8.1.87 " 873.4 W a/22.3.87
" 729 W a/14.7.81 " 974 W a/15.3.87
" 1697 W a/9.7.81 " 65 C a/10.1.87
" 2472 W a/8.10.81
" 2473 W a/8.10.81
" 195 Ia/31.1.82
" 880 W a/17.3.82
" 32 a/24.4.87 Eu. Le.
" 1160 W a/5.5.82
" 1445 W a/10.6.82
" 3272 W a/11.12.82
" 273 W a/11.12.82
" 1494 C a/9.8.83
" 2229.30 W a/11.8.83
" 2696 W a/16.10.82
" 3422 W a/30.11.83
" 3423 W a/30.11.83
" 1501 W a/16.6.84
" 1502 W a/16.6.84
" 1079 W a/1.5.84
" 1374 W a/2.6.84
" 1375 W a/2.6.84
" 1690 W a/7.7.84
" 1770 W a/19.7.84
" 2428 W a/2.10.84
" 53 W a/17.1.85
" 154 W a/17.1.85
" 297 W a/7.2.85
" 1662 W a/1.11.86

Cour. 19.4.87

Govt. of (1887) Madras

PUBLIC WORKS

G.O. 26th April 1887 — 1146 W
1147 W.

Madras P.W. Establishment

Resolution that the Government [illegible] decide as proposed in their call for revised estimates [illegible] framed [illegible] reference to a comparison with the Establishment with which

Madras P.W. Establishment

Revised estimates [illegible] submitted to the Govt should be [illegible] with a comparison of Establishment with the