(1) பக்கங்களின் எண்ணிக்கை 40

(2) புதுக்கித் திருப்பிய நாள் ஜனவரி 1988

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

நிருவாகச் சீர்திருத்தத் துறை

அரசாணை எண்.		அச்சகம்
மு. கோப்புத் தாள் எண்.	1682 1683	பலவகை

நாள் : 7. 6. 1988 198 .

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

ஆவண. கா-1—18,006—15-6-87.

1/1888

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following letter from G. H. D. WALKER, Esq., Under-Secretary to the Government of India, Public Works Department (General), to the Secretary to the Government of Madras, Public Works Department, dated Simla, 16th May 1888, No. 1107 G.:—

In reply to your letter No. 12 W., dated the 5th January 1888, on the subject of special allowances drawn in the Upper Godávari, I am directed to state that there is no objection to the subordinate in question continuing to draw the allowance, but that no further allowances should be passed to any officer without reference to the Government of India.

ORDER—dated 7th June 1888, No. 1682 W., Public Works.

Communicated to the Superintending Engineer, I Circle, and to the Examiner, Public Works Accounts, with reference to their letters marginally noted.

From the Superintending Engineer, I Circle, No. 2176 G.D., dated 9th December 1887.
From the Examiner, Public Works Accounts, No. 792, dated 22nd November 1887.

2. A copy of the Proceedings of this Government, No. 610 W., dated 21st February 1888, will be forwarded to the Government of India for confirmation.

(True Extract.)

— Captain, R.E.,
Under-Secy. to Govt., P.W.D.

To the Superintending Engineer, I Circle.
„ Examiner, Public Works Accounts.

Exd. F. R. Bantleman.
Spare Copies

GENERAL.
ESTABLISHMENT.

Govt. of [1888] Madras.

PUBLIC WORKS.

Dated June, 7th.

Recd. *Encl.*

G.O., 7th June 1888, No. 1682 W.

JUNE.

Upper Godavari allowance.

Letter from the Government of India sanctioning the grant of — to Mr. C. W. Traish, Supervisor, 2nd Grade, and ruling that no further allowances are to be passed to any officer without reference to them, communicated to the Superintending Engineer, I Circle, and the Examiner, Public Works Accounts.

2/1682

APPENDIX A.

Distribution Statement of Reorganized Department Public Works, Madras.

Superintending Engineers' Circles.	Executive Divisions.	Sub-Divisions.	Establishment. Executive Engineers.	Assistant Engineers.	Upper Subordinates.
No. I	1. Ganjam	2	1	1	4
	2. Vizagapatam	2	1	1	4
	3. Eastern Godávari	3	1	2	7
	4. Western do.	2	1	3	7
	5. (A) Project Division	...	1	2	3
No. II	6. Eastern Kistna	3	1	3	6
	7. Western do.	2	1	2	7
	8. Nellore	2	1	1	7
	9. Sungum Project	2	1	2	6
No. III	10. Bellary	2	1	...	4
	11. Cuddapah	2	1	1	6
	12. Kurnool	1	1	1	4
	13. Madras Irrigation and Canal Company's Canal	2	1	2	6
	14. (C) Project Division	...	1	2	3
No. IV	15. West Coast	3	1	2	12
	16. Coimbatore	2	1	1	5
	17. Salem	...	1	...	5
	18. North Arcot	2	1	2	5
	19. (B) Project Division	...	1	1	4
No. V	20. South Arcot	1	1	1	5
	21. Chingleput	2	1	1	6
	22. Buckingham Canal	3	1	1	4
	23. Presidency and Bangalore	2	1	2	7
No. VI	24. Trichinopoly	2	1	1	8
	25. Tanjore	2	1	2	8
	26. Negapatam	2	1	2	7
	27. Madura	2	1	1	8
	28. Tinnevelly	2	1	2	7
Supt. of Works.	29. Consulting Architect	...	1	...	2
Chief Engr. for Irrigation.	30. (D) Project Division	...	1	...	...
	Secretariat	...	1	1	...
	Guaranteed Railways	...	2	...	...
	Supernumeraries	...	3	4	18
	Totals	50	36	47	185

* Includes two for Workshops.

APPENDIX B.

Statement showing the proposed changes in the Establishment of the Public Works Department, Madras Presidency, under sanction accorded in letter from the Government of India. No. 681G, dated 5th May, 1881.

Present Scale.			Proposed Scale.			Increase.		Decrease.		Grounds of proposition	Remarks.
Number.	Designation.	Amount of Pay.	Number.	Designation.	Amount of Pay.	Number.	Amount of Pay.	Number.	Amount of Pay.		
				ENGINEER ESTABLISHMENT.							
				Chief Engineers.							
1	Chief Engineer, 1st Class	2,500	1	Chief Engineer, 1st Class	2,500	0	0	0	0		
1	Chief Engineer, 2nd Class	2,000	1	Chief Engineer, 2nd Class	2,000	0	0	0	0		
2	Chief Engineers	4,500	2	Chief Engineers	4,500	0	0	0	0		
				Superintending Engineers.							
3	Superintending Engineers, 1st Class at 1,600	4,800	3	Superintending Engineers, 1st Class at 1,600	4,800	0	0	0	0		
1	Superintending Engineer, 2nd Class	1,350	2	Superintending Engineers, 2nd Class at 1,350	2,700	1	1,350	0	0		
1	Superintending Engineer, 3rd Class	1,100	2	Superintending Engineers, 3rd Class at 1,100	2,200	1	1,100	0	0		
5	Superintending Engineers.	7,250	7	Superintending Engineers.	9,700	2	2,450	0	0		
				Executive Engineers.							
7	Executive Engineers, 1st Grade, at 950.	6,650	10	Executive Engineers, 1st Grade, at 950.	9,500	3	2,850	...	...		
8	Executive Engineers, 2nd Grade, at 800.	6,400	11	Executive Engineers, 2nd Grade, at 800.	8,800	3	2,400	...	...		
7	Executive Engineers, 3rd Grade, at 650.	4,550	11	Executive Engineers, 3rd Grade, at 650.	7,150	4	2,600	...	...		
4	Executive Engineers, 4th Grade, at 550.	2,200	4	Executive Engineers, 4th Grade, at 550.	2,200	...	...	...	...		
B 26	Executive Engineers.	19,800	B 36	Executive Engineers.	27,650	10	7,850	...	...		

A
Includes the appointment of the Consulting Engineer for Guaranteed Railways, which is at present held by Colonel Shaw-Stewart, R. E., Chief Engineer, 3rd Class.

The number (7) of Superintending Engineers suggested by the Government of India in letter No. 681 G., dated 5th May 1881, para 5, has been divided into the scale of 3, 2 and 2 with reference to para 66, Chap. I. Madras P. W. D. Code.

B
Includes the two Deputy Consulting Engineers.
In Government of India, letter No. 681, G., dated 5th May, 1881, quoted above, the scale proposed for Executive Engineers, is 9, 10, 10, 3,=32; to this has been added the four additional Executive Engineers, viz.

For Madras Irrigation and Canal Company	1
„ Sungum Project	1
Omission from the scale submitted by Madras Government, to Government of India, in not putting down the proper number of Executive Engineers. For 10 per cent. required to take the place of Absentees, only 1 being given instead of 3	2
Total...	4

Present Scale.			Proposed Scale.			Increase.		Decrease.		Grounds of proposition.	Remarks.
Number.	Designation.	Amount of Pay.	Number.	Designation.	Amount of Pay.	Number.	Amount of Pay.	Number.	Amount of Pay.		
				Assistant Engineers.							
20	Assistant Engineers, 1st Grade, at 450.	9,000	20	Assistant Engineers, 1st Grade, at 450.	11,700	6	2,700	...	...	To the scale of 24 and 19—43, suggested by the Government of India, in letter No. 681, G., quoted above, has been added 2 and 2=4, viz.,	
16	Assistant Engineers, 2nd and 3rd Grades, at 350 and 250.	5,400	21	Assistant Engineers, 2nd and 3rd Grades.	7,050	5	1,650	...	...	For Madras Irrigation and Canal Company... ... 2 „ Sungum Project... 2	
36	Assistant Engineers.	14,400	47	Assistant Engineers.	18,750	11	4,350	...	...	Total... 4	
69	Total Engineer Establishment.	45,950	92	Total Engineer Establishment.	60,600	23	14,650	...	...	The 21 Assistant Engineers of the 2nd and 3rd Grades, now proposed, have been divided into 18, 2nd Grades, and 3, 3rd Grades.	
				Upper Subordinate Establishment.							
				Sub-Engineers.							
5	Sub-Engineers, 1st Grade at Rs.400.	2,000	9	Sub-Engineers, 1st Grade at 400	3,600	4	1,600	...	...		
4	Do 2nd Grade at Rs.300.	1,200	9	Do 2nd Grade at 300	2,700	5	1,500	...	...		
9	Do 3rd Grade at Rs.250.	2,250	17	Do 3rd Grade at 250	4,250	8	2,000	...	...		
18	Sub-Engineers.	5,450	35	Sub-Engineers	10,550	17	5,100	...	...		
				Supervisors.							
14	Supervisors, 1st Grade at 200	2,800	22	Supervisors, 1st Grade at 200	4,400	8	1,600	...	...	The total number 185 of Upper Subordinates has been divided amongst the several grades in accordance with Code proportions, vide Government of India, P.W.D. Code, Chap. I, paras 51 to 54 as amended by S. O. No. 110 of 2nd February, 1881. See also Government of India Resolution No. 1783 G., dated 18th October, 1880.	
22	Supervisors, 2nd Grade at Rs. 150	3,300	36	Do 2nd Grade at 150	5,400	14	2,100	...	...		
36	Supervisors	6,100	58	Supervisors	9,800	22	3,700	...	...		
				Overseers.							
32	Overseers, 1st Grade at 100	3,200	28	Overseers, 1st Grade at 100	2,800	...	...	4	400		
32	Do 2nd Grade at Rs.80	2,560	28	Do 2nd Grade at Rs.80	2,240	...	...	4	320	The distribution into 1st, 2nd, and 3rd Grades of the 92 Overseers has been made as follows :—	
42	Do 3rd Grade at Rs.60	2,520	36	Do 3rd Grade at Rs.60	2,160	...	...	6	360	1st Grade $\frac{1}{5}$ of total No. of Overseers ... 23 2nd do $\frac{1}{3}$ do do do ... 28 3rd do $\frac{5}{12}$ do do do or remainder... 36	
106	Overseers	8,280	92	Overseers	7,200	...	...	14	1,080	Total... 92	
160	Total Upper Subordinate Establishment	19,830	185	Total Upper Subordinate Establishment	27,550	39	8,800	14	1,080	Net increase Rs.7720	
				Surveyors ranking as Upper Subordinates.							
...	...	...	4	Surveyors at 200	800	4	800	..	...	These Surveyors have been provided for the four Project Divisions which are to be formed for the preparation of projects for Famine Relief Works, &c. Vide para 7 of Government of India letter, No. 681 G., dated 5th May, 1881.	
...	...	...	4	Do do 150	600	4	600	...	...		
...	...	...	4	Do do 100	400	4	400	...	...		
...	...	...	4	Do do 80	320	4	320	...	...		
...	Surveyors	...	16	Surveyors	2,120	16	2,120	...	...		
160	Grand Total Upper Subordinates	19,830	201	Grand Total Upper Subordinates	29,670	55	10,920	14	1,080	Amounts noted as pay include Travelling Allowances.	
				Lower Subordinate Establishment.							
5	Sub-Overseers, 1st Grade at 60	300	5	Sub-Overseers, 1st Grade at 60	300					The numbers and amounts entered in column "Present Scale" represent the Establishment of the Trichinopoly, Kurnool and Vizagapatam District at the close of last official year 1880-81. Since then the Local Fund works and establishment of the Vizagapatam District have been tranferred to Local Fund Boards. The numbers 5 and 14 shown in column "Proposed Scale" represent the actual existing Lower Subordinate Establishment in Trichinopoly and Kurnool Districts.	
...	Sub-Overseers, 2nd Grade	...	...	Sub-Overseers, 2nd Grade	...						
15	Sub-Overseers, Third Grade at Rs.20.	300	14	Sub-Overseers, Third Grade at Rs.20.	280			1	20		
20	Total Lower Subordinate Establishment.	600	19	Total Lower Subordinate Establishment.	580			1	20		
				Petty Establishment.							
				Store-keepers.							
4	Storekeepers @ 30	120	4	Storekeepers at 30	120					The numbers entered in the column "Present Scale" are those for which provision was made in the Provincial Budget for 1881-82. (G. O. No. 1204 W. dated 20th May 1880.) To these numbers have been added 5 additional Storekeepers for the 5 new Divisions, the grading of each being given with reference to the classification of the new Divisions.	
6	Do. @ 25	150	7	do at 25	175	1	25				
7	Do. @ 20	140	8	do at 20	160	1	20				
3	Do. @ 15	45	6	do at 15	90	3	45				
20		455	25		545	5	90				
				Medical Establishment.							
1	Assistant Apothecary.	62½	1	Assistant Apothecary,	62½					The amounts entered in columns "Present" and "Proposed Scale" represent contributions by the Public Works Department for the pay of the Medical Establishment at Rezwada, Dowlaishvaram and Vizagapatam. Vide G. O.s No. 1346 W. 1382 W., 1935 W, dated 8th and 14th June 1880 and 12th August 1880.	
4	Hospital Assistants with Jeypore Allowance for one at Rs.25 per mensem. 1 at 60=60 1 at 40=40 2 at 25=50		4	Hospital Assistants with Jeypore Allowance for one at Rs.25 per mensem. 1 at 60=60 1 at 40=40 2 at 25=50							
	Jeypore Allowance. } Rs.25.	175		Jeypore Allowance. } Rs.25.	175						
11	Lascars, Toties, Cook, &c., of the Medical Establishment. 1 at 7 = 7 3 at 6 =18 1 at 4 = 4 1 at 3½ = 3½ 4 at 2½=10 1 at 2 = 2	44½	11	Lascars, Toties, Cook, &c., of the Medical Establishment. 1 at 7 = 7 3 at 6 =18 1 at 4 = 4 1 at 3½ = 3½ 4 at 2½=10 1 at 2 = 2	44½						
1	Gumastah.	5	1	Gumastah.	5	...					
17		287	17		287	...					

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1	Maistry.	40	1	Maistry.	45	...	...	...	...
410	Lascars at 6.	2,460	495	Lascars at 6.	2,070	85	510	...	...
448	Total Petty Establishment.	3,242	538	Total Petty Establishment.	3,842	90	600	...	...

For the Cuddapah Division, specially sanctioned by G.O. No. 1882 W. dated, 7th August 1880.
The number (495) entered in the column 'Proposed Scale' has been arrived at as follows :—

6 Superintending Engineers' Offices at 2 each	24
24 Divisions at 3 each	72
1 Consulting Architect	2
50 Sub-Divisions at 3 each	150
182 Detached Officers, viz. 6 Asst. Engineers, 84 Sub-Engineers and Supervisors, and 92 Overseers, at 1 each ...	182
Buckingham Canal Division—Vide G. O., No. 1081, dated 25th April 1881	5
P. W. Stores	12
Examiner's Office	3
Total.	450
Add 10 per cent for Contingencies	45
Total.	495

OFFICE ESTABLISHMENT.

For Chief Engineer and Secretary to Government, P. W. Department.

1	Chief Assistant.	600	1	Chief Assistant.	600				
1	Second Assistant.	300	1	Second Assistant.	300				
1	Clerk I Class 3rd Grade.	225	1	Clerk I Class 3rd Grade.	225				
2	Clerks II Class, 2nd Grade at 140.	280	2	Clerk II Class, 2nd Grade at 140.	280				
1	Clerk II Class, 3rd Grade.	110	1	Clerk II Class, 3rd Grade.	110				
5	Clerks III Class 2nd Grade at 70.	350	5	Clerks III Class 2nd Grade at 70.	350				
3	Clerks III Class 3rd Grade at 55.	165	3	Clerks III Class, 3rd Grade at 55.	165				
1	Clerk IV Class, 1st Grade.	45	1	Clerk IV Class 1st Grade.	45				
2	Clerk IV Class, 2nd Grade at 35.	70	2	Clerks IV Class, 2nd Grade at 35.	70				
1	Clerk IV Class, 3rd Grade.	25	1	Clerk IV Class, 3rd Grade.	25				
18		2,170	18		2,170				
2	Draughtsmen, 1st Class at 60.	120	2	Draughtsmen, 1st Class at 60.	120				
1	Draughtsmen, 2nd Class	42½	1	Draughtsmen 2nd Class	42½				
3		162½	3		162½	...	...	...	...
2	Muchis at 13 and 14...	27	2	Muchis at 13 and 14...	27				
2	Head Messengers at 9 and 12.	21	2	Head Messengers at 9 and 12.	21				
7	Messengers 3 at 7 and 4 at 8.	53	7	Messengers 3 at 7 and 4 at 8.	53				
11		101	11		101	...	...	...	...
32	Total P. W. Secretariat Office Establishment.	2433½	32	Total Public Works Secretariat Office Establishment.	2433½		...	...	...

Lithographic Establishment.

1	Superintendent ...	250	1	Superintendent ...	250				
1	Head Draughtsman ...	120	1	Head Draughtsman ...	120				
1	Second do ...	100	1	Second do ...	100				
1	Third do ...	80	1	Third do ...	80				
1	Fourth do ...	60	1	Fourth do ...	60				
1	5th do ...	40	1	5th do ...	40				
1	6th do ...	30	1	6th do ...	30				
1	7th do ...	25	1	7th do ...	25				
1	8th do ...	20	1	8th do ...	20				
1	9th do ...	15	1	9th do ...	15				
1	10th do ...	10	1	10th do ...	10				
1	Tracer & Recordkeeper	25	1	Tracer & Recordkeeper	25				
1	Tracer and Muchi ...	16	1	Tracer and Muchi ...	16				
1	Head Printer ...	20	1	Head Printer ...	20				
1	2nd do ...	12	1	2nd do ...	12				
1	3rd do ...	12	1	3rd do ...	12				
2	Pressmen at 9 ...	18	2	Pressmen at 9 ...	18				
6	do at 8 ...	48	6	do at 8 ...	48				
2	do at 7 ...	14	2	do at 7 ...	14				
2	do at 5 ...	10	2	do at 5 ...	10				
28	Total Lithographic Establishment.	925	28	Total Lithographic Establishment.	925	...	...	...	...

Present Scale.			Proposed Scale.			Increase.		Decrease.		Grounds of proposition.	Remarks.
Number.	Designation.	Amount of Pay.	Number.	Designation.	Amount of Pay.	Number.	Amount of Pay.	Number.	Amount of Pay.		
				For Chief Engineer and Joint Secretary to Government, (Irrigation Branch.)							
1	Clerk I Class, 3rd Grade	225	1	Clerk I Class, 3rd Grade	225						
1	Do. II do. 2nd do...	140	1	Do. II do. 2nd do...	140						
1	Do. II do. 3rd do...	110	1	Do. II do. 3rd do...	110						
1	Do. III do. 1st do...	90	1	Do. III do. 1st do...	90						
1	Do. III do. 2nd do...	70	1	Do. III do. 2nd do...	70						
1	Do. III do. 3rd do...	55	1	Do. III do. 3rd do	55						
2	Do. IV do. 1st Grade at 45	90	2	Do. IV do. 1st Grade at 45	90						
3	Do. IV do. 2nd Grade at 35	105	3	Do. IV do. 2nd Grade at 35	105						
1	Do. IV do. 3rd do...	25	1	Do. IV do. 3rd do...	25						
12		910	12		910						
1	Draughtsman 1st Class	60	1	Draughtsman 1st Class.	60						
2	Do 2nd do. at 42-8-0	85	2	Do. 3nd do at 42-8-0	85						
3		145	3		145						
2	Draughtsmen 3rd Class at 25	50	2	Draughtsmen 3rd Class at 25	50						
5		195	5		195						
1	Reference Picker ...	10	1	Reference Picker ...	10						
1	Muchi ...	10	1	Muchi ...	10						
1	Head Messenger ...	8	1	Head Messenger ...	8						
2	Messengers at 7 ...	14	2	Messenger at 7 ...	14						
2	Do. at 6 ...	12	2	Do. at 6 ...	12						
3	Lascars at 7 ...	21	3	Lascars at 7 ...	21						
10		75	10		75						
27	Total Office Establishment for Chief Engineer for Irrigation.	1180	27	Total Office Establishment for Chief Engineer for Irrigation.	1180						
				For Superintending Engineers.							
1	Clerk II Class 3rd Grade	110	1	Clerk II Class 3rd Grade	110					The one additional Clerk IV Class, 3rd Grade, provided for in current year's (1881-82) Budget for each Superintending Engineer's Office has been added in the column "Proposed Scale," and allowed for the three additional Superintending Engineers' Offices also.	
1	Do III do 2nd do...	70	1	Do III do 2nd do...	70						
1	Do IV do 1st do...	45	1	Do IV do 1st do...	45						
1	Do IV do 2nd do...	35	1	Do IV do 2nd do...	35						
1	Do IV do 3rd do...	25	2	Do IV do 3rd do ...	50	1	25				
1	Draughtsman 1st Class.	60	1	Draughtsman 1st Class.	60						
1	Do 2nd do ...	42½	1	Do 2nd do ...	42½						
1	Messenger at 8 ...	8	1	Messenger at 8 ...	8						
3	Do at 6 ...	18	3	Do at 6 ...	18						
11		413½	12		438½	1	25				
22	Add similar establishment for two more Superintending Engineers	827	24	Add similar establishment for two more Superintending Engineers	877	2	50				
			36	Add similar establishment for 3 additional Superintending Engineers' Offices	1,315½	36	1,315½				
33	Total Office Establishment of Superintending Engineers	1,240½	72	Total Office Establishment of Superintending Engineers	2,631	39	1,390½				
				For Presidency Division.							
1	Clerk III Class 2nd Grade	70	1	Clerk III Class, 2nd Grade	70	...	...			The numbers and amounts shown in column "Present Scale" represent the scale for a 1st Class Division as laid down in Appendix C, No.5, to G.O. No.3674, W, dated 18th September 1878. To these have been added the additional establishment provided in the Provincial Budget, for the current year 1881-82, and the totals thus obtained have been shown in the column "Proposed Scale."	
1	Clerk IV Class 1st Grade	45	1	Clerk IV Class 1st Grade	45	...	...				
1	Do IV do 2nd do...	35	2	Do IV do 2nd Grade at 35	70	1	35				
1	Do IV do 3rd do...	25	3	Do IV do 3rd Grade at 25	75	2	50				
	Do V do 1st do...	...	2	Do V do 1st Grade at 17½	35	2	35				
1	Draughtsman 1st Class.	60	1	Draughtsman 1st Class.	60	...	...				
	Do 2nd do ...	...	1	Do 2nd do ...	42½	1	42½				
1	Do 3rd do ...	25	3	Do 3rd Class at 25	75	2	50				
1	Messenger at 7 ...	7	1	Messenger at 7 ...	7	...	...				
1	Do at 6 ...	6	1	Do at 6 ...	6	...	...				
8	Total Office Establishment Superintendent of Works, Presidency.	273	16	Total Office Establishment Superintendent for Works, Presidency.	485½	8	212½				

Present Scale.			Proposed Scale.			Increase.		Decrease.		Grounds of proposition.	Remarks.
Number.	Designation.	Amount of Pay.	Number.	Designation.	Amount of Pay.	Number.	Amount of Pay.	Number.	Amount of Pay.		
				For Godavari Eastern and Kistna Eastern Divisions.							
1	Clerk, III Class, 2nd Grade	70	1	Clerk, III Class, 2nd Grade	70	...	...	...	...		
1	Do. IV do. 1st do.	45	1	Do. IV do. 1st do.	45	...	...	...	...		
1	Do. IV do. 2nd do.	35	1	Do. IV do. 2nd do.	35	...	...	...	...		
1	Do. IV do. 3rd do.	25	3	Do. IV do. 3rd do. at 25	75	2	50	...	...		
1	Draughtsman, 1st Class	60	1	Draughtsman, 1st Class	60	...	...	...	...		
1	Do. 3rd do.	25	1	Do. 3rd do.	25	...	...	...	...		
1	Messenger, at 7	7	1	Messenger at 7	7	...	...	...	...		
1	Do. at 6	6	1	Do. at 6.	6	...	...	...	...		
8		273	10		323	3	50	...	...		
8	Add similar Establishment for one more office.	273	10		323	2	50	...	...		The above remark applies equally to this Establishment.
16	Total Office Establishment Godavari Eastern and Kistna Eastern Divisions.	546	20		646	4	100	...	...		
				For 7 *1st Class Divisions.							
1	Clerk, III Class, 2nd Grade.	70	1	Clerk, III Class, 2nd Grade.	70	...	...	...	...		The foregoing remark applies equally to this Establishment. To the existing number (6) excluding Godavari Eastern and Kistna Eastern, of 1st Class Executive Divisions, has been added the "Madras Irrigation and Canal" Division, which has also been ranked as 1st Class.
1	Do. IV do. 1st do.	45	1	Do. IV do. 1st do.	45	...	...	...	...		
1	Do. IV do. 2nd do.	35	1	Do. IV do. 2nd do.	35	...	...	...	...		
1	Do. IV do. 3rd do.	25	2	Do. IV do. 3rd do. at 25.	50	1	25	...	...		
1	Draughtsman, 1st Class	60	1	Draughtsman, 1st Class	60	...	...	...	...		
1	Do. 3rd do.	25	1	Do. 3rd Class.	25	...	...	...	...		
1	Messenger at 7.	7	1	Messenger at 7.	7	...	...	...	...		
1	Do. at 6.	6	1	Do. at 6.	6	...	...	...	...		
8		273	9		298	1	25	...	...		
40	Add similar Establishment for five more 1st Class Divisions.	1365	45	Add similar Establishment for five more 1st Class Divisions.	1490	5	125	...	...		
			9	Add similar Establishment for one additional office (Madras Irrigation & Canal.)	298	9	298	...	...		
48	Total Office Establishment 6, 1st Class Divisions ...	1638	63	Total Office Establishment for 7, 1st Class Divisions.	2086	15	448				
				For 9, 2nd Class Divisions.*							
1	Clerk, III Class, 2nd Grade.	70	1	Clerk, III Class, 2nd Grade.	70						The Establishment for 2nd Class Executive Divisions remains in accordance with the scale laid down in Appendix C. No. 6, to G. O. No. 3674 W. dated 18th September 1878, no additional Establishment having been provided in current year's Budget.
1	Clerk, IV Class, 2nd Grade.	35	1	Clerk IV Class, 2nd Grade.	35						To the existing number (8) of 2nd Class Divisions, has been added the "Sungum Project Division," which has also been ranked as 2nd Class.
2	Clerks, IV Class, 3rd Grade at 25.	50	2	Clerks, IV Class, 3rd Grade at 25.	50						*1. Nellore, 2. Cuddapah, 3. West Coast, 4. Coimbatore, 5. North Arcot, 6. Chingleput, 7. Trichinopoly, 8. Negapatam, 9. Sungum Project Division.
1	Draughtsman 1st Class	60	1	Draughtsman, 1st Class	60						
1	Do 3rd Class.	25	1	Do. 3rd Class	25						
1	Messenger at 7	7	1	Messenger at 7	7						
1	Do at 6	6	1	Do at 6	6						
8		253	8		253						
56	Add similar Establishment for 7 more 2nd Class Divisions.	1,771	56	Add similar Establishment for 7 more 2nd Class Divisions.	1,771						
			8	Add similar Establishment for one 2nd Class additional division (Sungum Project Division.)	253	8	253				
64	Total Office Establishment for 8 2nd Class Divisions.	2,024	72	Total Office Establishment for 9 2nd Class Divisions.	2,277	8	253	...			
				For 5, 3rd Class Divisions.*							
1	Clerk, III Class, 3rd Grade.	55	1	Clerk, III Class, 3rd Grade.	55						The Establishment for the 3rd Class Divisions also remains in accordance with the scale laid down in Appendix C, No. 7 to G. O. No. 3674 W., dated 18th September 1878. To the existing number (2) of 3rd Class Divisions have been added the following three new Divisions, which have been ranked as 3rd Class :— Ganjam, Bellary, Madura
1	Clerk, IV Class, 2nd Grade.	35	1	Clerk, IV Class, 2nd Grade.	35						
2	Clerk IV Class, 3rd Grade at 25.	50	2	Clerks, IV Class 3rd Grade at 25.	50						
1	Draughtsman 2nd Class	42½	1	Draughtsma 2nd Class	42½						
1	Do 3rd Class.	25	1	Do 3rd Class.	25						
1	Messenger at 7.	7	1	Messenger at 7	7						
1	Do 6.	6	1	Do 6	6						
8		220½	8		220½						
8	Add similar Establishment for one more 3rd Class Office.	220½	8	Add similar Establishment for one more 3rd Class Office.	220½						
			24	Add similar Establishment for 3 additional 3rd Class Division Officers	661½	24	661½				
16	Total Office Establishment for 2, 3rd Class Divisions.	441	40	Total Office, Establishment for 5, 3rd Class Divisions.	1,102½	24	661½	...	...		

Present Scale.			Proposed Scale.			Increase.		Decrease.		Grounds of proposition.	Remarks.
Number.	Designation.	Amount of Pay.	Number.	Designation.	Amount of Pay.	Number.	Amount of Pay.	Number.	Amount of Pay.		
For the Consulting Architect.											
1	Clerk, IV. Class, First Grade.	45	1	Clerk, IV. Class, First Grade.	45						
1	Draughtsman & Estimator	145	1	Draughtsman & Estimator	145						
1	Draughtsman 2nd Class	42½	1	Draughtsman 2nd Class	42½						
1	Do. 3rd do.	25	1	Do 3rd do.	25						
1	Messenger at 7.	7	1	Messenger at 7.	7						
1	Do. at 6.	6	1	Do. at 6.	6						
6	Total Office Establishment of Consulting Architect.	270½	6	Total Office Establishment of Consulting Architect.	270½						
For Public Works Stores.											
1	Clerk, II Class, Second Grade.	140	1	Clerk, II Class, Second Grade	140						
1	Do. III do.	70	1	Do. III do.	70						
1	Do. IV do.	35	1	Do. IV do.	35						
1	Do IV 3rd do.	25	1	Do. IV 3rd do.	25						
1	Messenger	8	1	Messenger.	8						
2	Do. at 7	14	2	Do at 7	14						
2	Do. at 6½	13	2	Do at 6½	13						
9	Total Office Establishment, P. W. Stores.	305	9	Total Office Establishment, P. W. Stores.	305						
Office Establishment for 2 Superintendents of Works (Godavari and Kistna.)											
1	Clerk, III Class, 2nd Grade.	70								The offices close under the new arrangements and therefore no provision for it has been made.	
1	Clerk, IV Class, 1st Grade.	45									
1	Clerk, IV Class, 2nd Grade.	35									
1	Clerk, IV Class, 3rd Grade.	25									
1	Draughtsman, 1st Class	60									
1	Draughtsman, 3rd Class	25									
1	Messenger at 7	7		Nil.							
1	Messenger at 6.	6									
8		273									
8	Add similar Establishment for one more Superintendent of Works office.	273									
16		546						16	546		
For the four New Project Divisions.											
Nil.			2	Draughtsmen, 1st Class at 60.	120	2	120				
			2	Draughtsmen, 2nd Class at 42½.	85	2	85				
			1	Clerk, IV Class, 2nd Grade.	35	1	35				
			1	Clerk, V Class, 1st Grade.	17½	1	17½				
			1	Messenger at 7.	7	1	7				
			1	Messenger at 6.	6	1	6				
			8	Total for each office.	270½	8	270½				
			24	Add similar Establishments for 3 more such offices.	811½	24	811½				
			32	Total Office Establishment, Project Divisions.	1,082	32	1,082				
For 50 Sub-Divisional Offices.											
1	Clerk, IV Class, 3rd Grade	25	1	Clerk, IV Class, 3rd Grade	25					To the existing number (40) of Sub-Divisions have been added the 10 additional Sub-Divisions as follows :— For Sungum Project... ... ... 2 „ Madras Irrigation and Canal ... ... 2 „ Ganjam ... ... 2 „ Bellary ... ... 2 „ Madura ... ... 2 Total...10 And Office Establishment provided for each in accordance with the scale given in Appendix C. No. 10 to G. O. No. 2674 W. dated 18th September 1878.	
1	Messenger	6	1	Messenger	6						
2	Total for one Office	31	2	Total for one Office	31						
78	Add similar Establishment for 39 more Sub-Division Offices	1,209	78	Add similar Establishment for 39 more Sub-Division Offices	1,209						
			20	Add similar Establishment for 10 additional Offices	310	20	310				
80	Total Sub-Divisional Office Establishment	1,240	100	Total Sub-Divisional Office Establishment	1,550	20	310				
For 88 Detached Officers,											
1	Clerk Apprentice, 1st Grade, now called 5th Class, 1st Grade	17½	1	Clerk, IV Class, 3rd Grade	25		7½				
39	Add similar Establishment for 39 more detached Officers (Upper Subordinates above the grade of Overseer)	682½	39	Add similar Establishment for 39 more detached Officers	975		292½				

Present Scale.			Proposed Scale.			Increase.		Decrease.		Grounds of proposition.	Remarks.
Number.	Designation.	Amount of Pay.	Number.	Designation.	Amount of Pay.	Number.	Amount of Pay.	Number.	Amount of Pay.		
				For 88 Detached Officers—*(Continued.)*							
			48	Add similar Establishment for 48 additional detached Officers, viz: Officers and Upper Subordinates above the rank of Overseer who are not in charge of Sub-Divisions	1,200	48	1,200				
40	Total Office Establishment, detached Officers	700	88	Total Office Establishment, detached Officers	2,200	48	1,500				
				For 92 Overseers.							
			1	Clerk, IV Class, 1st Grade.	17½	1	17½			A provision of one Clerk, V Class, 1st Grade, has been made for each Overseer.	
			91	Add similar Establishment for 91 more Overseers.	1592½	91	1592½				
			92	Total Office Establishment for Overseers.	1610	92	1610				
				Office [Toll] Establishment, Buckingham Canal.							
72	Clerks, &c.	761	72	Clerks, &c.	761						
				Abstract of Office Establishment.							
32	Chief Engineer and Secretary to Govt., P. W. Department.	2,433½	32	Chief Engineer and Secretary to Govt., P. W. Department.	2,433½						
28	Lithographic Establishment.	925	28	Lithographic Establishment.	925						
27	Chief Engineer for Irrigation.	1,180	27	Chief Engineer for Irrigation.	1,180						
33	Superintending Engineer's Offices,	1,240½	72	Superintending Engineer's Offices.	2,631	39	1,390½				
8	Superintendent of Works, Presidency.	273	16	Presidency Division.	485½	8	212½				
16	Godavari and Kistna Eastern Divisions.	546	20	Godavari and Kistna Eastern Divisions.	646	4	100				
48	Six 1st Class Executive Divisions	1,638	63	Seven 1st Class Executive Divisions	2,086	15	448				
64	Eight 2nd Class Executive Divisions	2,024	72	Nine 2nd Class Executive Divisions	2,277	8	253				
16	Two 3rd Class Executive Divisions	441	40	Five 3rd Class Executive Divisions	1,102½	24	661½				
6	Consulting Architect's Office	270½	6	Consulting Architect's Office	270½	...	...				
9	Public Works Stores	305	9	Public Works Stores	305	...	...				
16	Office Establishment, Superintendent of Works, Godavari and Kistna	546	...	...	...	...	...	16	546		
...	...	...	32	Office Establishment, Project Divisions	1,082	32	1,082				
80	Sub-Divisional Offices	1,240	100	Sub-Divisional Offices	1,550	20	310				
40	Office Establishment, Detached Officers	700	88	Office Establishment Detached Officers	2,200	48	1,500				
...	...	...	92	Office Establishment, for Overseers	1,610	92	1,610				
72	Office (Toll) Establishment Buckingham Canal	761	72	Office (Toll) Establishment Buckingham Canal	761	...	...				
495	Total Office Establishment	14,523½	769	Total Office Establishment	21,545	290	7,567½	16	546		
				Irrigation Establishments.							
	Water Regulation	7,528		Water Regulation	7,528						
	Navigation	2,462		Navigation	2,462						
	River Conservancy	260		River Conservancy	260						
	Total Irrigation Establishment	10,250		Total Irrigation Establishment	10,250						
				Abstract of Executive Branch.							
69	Engineer Establishment	45,950	92	Engineer Establishment	60,600	23	14,650				
160	Upper Subordinate ...	19,830	201	Upper Subordinate ...	29,670	55	10,920	14	1,080		
20	Lower do ...	600	19	Lower do ...	580			1	20		
448	Petty Establishment...	3,242	538	Petty Establishment...	3,842	90	600				
495	Office do ...	14,523½	769	Office do ...	21,545	290	7,567½	16	546		
	Irrigation do ..	10,250		Irrigation do ...	10,250						
	Total Executive Branch	94,395½		Total Executive Branch	126,487		33,737½		1,646		

Present Scale.			Proposed Scale.			Increase.		Decrease.		Grounds of proposition	Remarks
Number	Designation.	Amount of Pay.	Number	Designation.	Amount of Pay.	Number	Amount of Pay.	Number	Amount of Pay.		
				ACCOUNTS BRANCH.							
				Examiners.							
1	Examiner 3rd Class ...	1,100	1	Examiner 3rd Class ...	1,100					The number of officers at present attached to this Presidency has been taken as the "Present Scale," to which has been added, one to Deputy Examiners 1st Grade, and the totals thus arrived at have been shown as the "Proposed Scale." The provision of the extra Deputy Examiner has been made in view to the more frequent inspection of the Executive Engineer's Officers, considered to be absolutely essential with the introduction of the new forms of account, and also in view to the proposed large increase to the operations of the Department.
1	Deputy Examiner 1st Grade.	550	2	Deputy Examiners 1st Grade at 550.	1,100	1	550				
1	Assistant Examiner 2nd Grade.	250	1	Assistant Examiner 2nd Grade.	250						
3	Total Examiner Establishment.	1,900	4	Total Examiner Establishment.	2,450	1	550				
				Accountants.							
1	Accountant 1st Grade	400	1	Accountant 1st Grade	400						
3	Accountants 2nd Grade at 295	885	3	Accountants 2nd Grade at 295	885						
4	Accountants 3rd Grade at 200	800	6	Accountants 3rd Grade at 200	1,200	2	400				
10	Accountants 4th Grade at 115	1,150	15	Accountants 4th Grade at 115	1,725	5	575				
34	Accountants 5th Grade at 57½	1,955	31	Accountants 5th Grade at 57½	1,782½			3	172½		
52	Total Accountant Establishment	5,190	56	Total Accountant Establishment	5,992½	7	975	3	172½	Net Increase Rs.802½	

The numbers entered in column "Proposed Scale" have been arrived at thus—

For 25 Executive Divisions	25	Accountants
For Central Office, one Accountant for every 3 Divisions, and one for any fraction ⅔ or 2	9	Do
Extra	1	Do
Total ...	35	

and this total has been distributed with reference to P.W.D. Code, Chap. I, Para 77, as follows :—

1st and 2nd Grades ⅔ 4 (omitting fraction less than Half)
2nd Grade to be always more than 1st Grade, i.e.,

1st Grade = 1 at 400	=	400
2nd Grade = 3 at 295	=	885
3rd Grade ⅔ = 9 at 200	=	1800
4th Grade (remainder) = 22 at 115	=	2,530
(adding 1 for fraction more than half)		
Total ... 35	Costing Rs.5,615	

Recasting the above to bring in the 5th Grade Accountants the Establishment will be—

1st Grade	1 at 400	=	400
2nd Do	3 at 295	=	885
3rd Do	6 at 200	=	1200
4th Do	13 at 115	=	1,495
5th Do	29 at 57½	=	1,667½
	52 Costing		*5,647½

* The small excess difference of Rs.32½ is due to the redistri

ABSTRACT.

Executive Branch	1,26,487			
Accounts Branch	10,075			
Grand Total...	1,36,562	per mensem or per annum ...	Rs.	16,38,744
Add.—Approximate amount on account of Military pay and allowances of Military Officers, per mensem ...	Rs. 8,000			
Approximate amount on account of Military pay and allowances of Military Subordinates, per mensem...	,, 1,500	or per annum...	Rs.	1,14,000
		,, 9,500		
Sub-Divisional Allowance for 15 Upper Subordinates at 30...	,, 450	or per annum...	Rs.	5,400
Local allowances, approximate. Upper Godavari allowance per mensem... 50				
Wynaad allowance per mensem ... 200				
Pothighy Ghat or Jeypore allowance per mensem 600				
	850			
Charge allowance for Fifth Grade Accountants recommended in letter No. 241 W. dated 19th March 1881, from the Examiner P. W. Accountant to the Local Government ...	...Rs. 400		...Rs.	4,800
Do do Presidency allowance, & Presidency house rent, Executive Branch	...Rs. 1,200			
Accounts Branch	,, 1,650			
	2,850			
			...Rs.	34,200
Travelling allowance Executive Branch* ...	...Rs. 16,666⅔			
Accounts Branch	,, 400			
	,, 17,066⅔		... ,,	2,04,800
Contingencies.— Executive Branch	,, 4,000			
Accounts Branch	,, 400			
	... ,, 4,400		... ,,	52,800
Total Permanent Establishment....			,,	20,64,944

*Per mensem to give in round numbers 2,00,000 for the year.

Total Permanent Establishment salaries... Rs. 18,07,344

Temporary Establishment.

	Per mensem. Rs.	Per annum. Rs.
Executive Branch.		
Irrigation Survey	1,250	15,000
Special Revenue Investigation Establishment... ...	1,000	12,000
Temporary Executive Branch ...	2,083⅓	25,000
	4,333⅓	52,000
Accounts Branch.		
Temporary Establishment for the preparation of Capital & Revenue Accounts of Irrigation works.	800	9,600
	5,133¼	61,600 ...Rs. 61,600

Grand Total Establishment... ,, 21,26,544

11/16h

Grand Total Establishments ... Rs. 21,26,544

Executive Branch.

Deduct.

	Per mensem. Rs.	Per annum. Rs.
Pay and allowances of Consulting Engineer and two Deputy Consulting Engineers for Railways chargeable to Imperial ...	4,023	48,276
Moiety of pay and allowance of Superintendent P. W. Stores and Workshops chargeable to Workshops	335	4,020
Pay of two Upper Subordinates chargeable to Workshops ...	400	4,800
Accounts Branch.		
Pay and allowances of four Accountants chargeable to P. W. workshops (Dowlaishvaram and Presidency) and Madras Harbour Works	445	5,340
		62,436
Net Total Establishment Permanent and Temporary including Travelling allowances and contingencies		20,64,108

APPENDIX C.

Gradation List as proposed under the new organization with effect from 1st August, 1881.

Name.	Date of first Appointment to the Department.	Present permanent grading in the Department of those officers who are to be promoted.
Chief Engineer, 1st Class, (1.)		
Col. R. H. Sankey C.B. R. E.	May 1850	
Chief Engineer, 2nd Class, (1.)		
Col. J. Mullins, R. E.	February 1852	
Chief Engineer, 3rd Class, (1.)		
Col. J. H. M. Shaw-Stewart, R.E., (A.I.C.E.)	January 1854	
Superintending Engineers, 1st Class, (2.)		
Lieut.-Col. J. Beatty, R. E.	March 1855	
„ J. O. Hasted, R. E.	January 1856	
Superintending Engineers, 2nd Class, (2.)		
Lieut.-Col. H. L. Prendergast, R. E.	November 1857	
Lieut.-Col. W. Chrystie, R. E.	October 1855	Superintending Engr., 3rd Class
Superintending Engineers, 3rd Class, (2.)		
Major H. R. Mead, R. E.	January 1858	
Mr. J. W. Rundall, M.I.C.E.	August 1855	Executive Engineer, 1st Grade
Executive Engineers, 1st Grade, (9+1=10.)		
Major C. J. Smith, R. E.	January 1858	
Mr. R. F. Chisholm, F.R.I.B.A.	February 1859	
Lieut.-Col. J. N. Hunter, R. E.	March 1855	
Major H. Smalley, R. E.	July 1859	
„ P. Montgomerie, R. E.	November 1860	
Lieut.-Col. W. H. Burton, R. E.	May 1858	
Major H. M. Vibart, R. E.	September, 1861	
„ J. Pennycuick, R. E.	April 1862	
Lieut.-Col. Ross Thomson, R. E.	August 1863	
Major J. L. L. Morant, R. E.	January 1864	
Executive Engineers, 2nd Grade, (10+1=11.)		
Mr. G. T. Walch, M.I.C.E.	February 1866	
Major A. T. Fraser, R. E.	March 1860	
„ S. C. Clarke, R. E.	October 1862	
Capt. R. R. E. Drake-Brockman, R. E.	November 1864	
„ W. H. Coaker, R. E.	April 1866	
Mr. T. D. Harris.	August 1855	
Capt. A. C. Smith, R. E.	September 1864	
„ A. Awdry, R. E., A.I.C.E.	January 1868	
Mr. K. F. Nordmann.	June 1862	
„ E. H. Pringle.	January 1868	
Capt. D. McNeil Campbell, R. E.	April 1869	Executive Engineer, 3rd Grade
Executive Engineers, 3rd Grade, (10+1=11.)		
Mr. J. Hannan.	July 1866	
Mr. R. W. Norris.	July 1867	Reappointment
Captain R. F. Morris, R. E.	March 1864	
Mr. G. D. Wybrow.	July 1867	
„ J. W. Martin.	December 1867	
„ J. D. Grant, A.I.C.E.	July 1868	

NAME.	DATE OF FIRST APPOINTMENT TO THE DEPARTMENT.	PRESENT PERMANENT GRADING IN THE DEPARTMENT OF THOSE OFFICERS WHO ARE TO BE PROMOTED.
EXECUTIVE ENGINEERS, 3RD GRADE.—*(Continued.)*		Executive Engineer, 4th Grade
Mr. C. J. Peters.	July 1867	Do
" *H. Hughes, B.A.*	July 1868	Do
" *T. G. Lumsdaine.*	March 1869	Do
" *J. M. Bell.*	December 1867	Do
Captain J. H. Smart, R. E.	March 1871	Do
EXECUTIVE ENGINEERS, 4TH GRADE. (3+1=4.)		
Captain C. G. Bawson, R. E.	June 1871	Assistant Engineer, 1st Grade
Captain A. R. F. Dorward, R. E.	August 1871	Do
Mr. J. Grimes.	June 1861	Temporary Probationary Appointment
Lieutenant G. E. Henderson, R. E.	April 1873	
Mr. Wilks.	...	
ASSISTANT ENGINEERS, 1ST GRADE. (24+2=26)		
Lieutenant O. V. Boddy, R. E.	April 1873	Counted as an Upper Subordinate
" L. Langley, R. E.	April 1873	
" F. G. Romilly, R. E.	April 1873	
Captain W. Jeakson.	September 1872	
Mr. C. H. T. Norfor.	August 1870	
Lieutenant R. E. Hamilton, R. E.	June 1875	Dy. Cong. Engr. for Railways
" W. L. C. Baddeley, R. E.	July 1875	
Mr. W. B. De Winton.	October 1874	
Lieutenant S. C. Plummer.	January 1855	Counted as an Upper Subordinate
Mr. C. Vincent.	October 1874	
" A. H. Garrett.	October 1874	
" J. P. Davidson.	October 1874	
" J. C. Johnson.	February 1873	
" H. S. Taylor.	October 1875	
" A. S. Russell.	October 1875	
" C. M. Smith.	October 1875	
S. Subrova Chunnir, B.C.E.	May 1865	
Mr. W. G. De Morgan.	October 1874	
" *W. L. Reid.*	October 1875	Assistant Engineer, 2nd Grade
" *J. E. Paul.*	October 1875	Do
" *G. P. Carless.*	October 1875	Do
" *J. Thiel.*	February 1876	Do
" *C. H. B. Barlton.*	October 1874	Do
" *H. E. G. Evans.*	October 1875	Do
" *C. J. Usher.*	October 1875	Do
" *G. E. Monson.*	October 1877	Do
" *A. A. G. Milet.*	October 1877	Do
" *W. Jopp.*	October 1877	Do
	October 1877	Do
ASSISTANT ENGINEERS, 2ND AND 3RD GRADES, (19+2=21.)		
Mr. B. H. Young,	October 1877	
" G. B. Lambert.	October 1877	
" H. H. O'Connell.	September 1878	
" A. R. Boyle.	October 1880	
" A. M. Hayes.	October 1880	
" F. J. Wilson.	October 1880	
" E. B. Hanson.	October 1880	
" A. M. Foord.	October 1880	
" R. H. Dorman.	September 1879	
" H. E. Clerk.	October 1880	
" S. D. Pears.	October 1880	
N. Ruthnasubapathy Pillay, B.C.E.	October 1880	
	April 1874	
B. Gopalakrishna Iyengar, B.C.E.	September 1880	Counted as an Upper Subordinate
Lieutenant D. Falvey.	July 1870	

N. B.—Those officers shown in italics will receive promotion.

APPENDIX D

Protective Works Projects now in hand or proposed, para 8 Government of India Letter, No. 681 G, dated 5th May, 1881.

Name of Project.	Division and Circle.	Brief Explanation of each.	Probable amount of Estimate.	Forecast of provision to be made in the Budgets of the Current and following years.		
				1881-82.	1882-83.	1883-84.
			Lakhs.	*Lakhs.*	*Lakhs.*	*Lakhs.*
(*a.*) Ganjam, Gopaulpore, tidal Canal.	A Project Division 1st Circle.	During the last famine a tidal canal 9 miles in length, was completed from Ramba at south end of the Chilka Lake to Ganjam, thus with the system of Canals to the North connecting the latter place with Cuttack, Midnapur ,&c. It is now absolutely essential that this Canal should be extended southwards about 12 miles to the port of Gopaulpore, the most important emporium of the district, thus securing the means of distributing food grains in case of famine and of creating for ordinary seasons a highly promissing artery of trade. A detailed estimate for a high level fresh water canal, amounting to Rs.1,72,000 was framed some years since, but late information appearing to show that a tidal canal will be preferable, arrangements are being made for completing the estimate, which should be ready for submission in six or eight months.	2·10	Nil.	Nil.	1·00
(*b.*) Road from Salur in the Vizagapatam Division, *via Potinghy Ghaut* to Koraputt and Jugdulpore in Bustar.	Do.	The primary link in this; the first cart road leading from the littoral of Vizagapatam to, and through the country above the ghauts in Jeypore and Bustar, as yet attempted to be made, is the "Potinghy Ghaut," on which such small sums (altogether inadequate however for securing proper progress) have hitherto been spent from Provincial funds as could be spared. While grain has been at famine prices in the low country, it has always been cheap above the ghauts, where the rainfall seems to be abundant and certain, and where land is apparently to be obtained for emigrants, the country being but sparsely populated. Of the revised estimate amounting to 3·40 Lakhs for the Potinghy Ghaut now under examination (which will, if necessary, be forwarded to the Government of India) about one-third has already been spent, and it is thought that probably nine lakhs more would be needed to take the line 70 miles on to Jugdulpore (new Bustar). No estimate has been framed for this latter portion, but with the new establishment, one should be ready a year hence in time for entry in the Budget of 1883-84.	10·50	0·75	1·00	2·00
		N. B.—Other roads suitable for cart traffic, *e.g.*, for linking Koraputt with Raigurh and others leading towards Sumbalpore north-east and through Kalahandy north-west will be certainly required in course of time as protective works, but need not be further adverted to here.				
(*c.*) Buckingham Canal.	At present Buckingham Canal Division. 1st Circle.	From the early part of the century, a tidal canal connecting the backwaters of the east coast north of Madras was considered feasible and partially carried out. The scheme was more fully developed in the late famine by so far completing the works as to				

Protective Works Projects now in hand or proposed, para 8, Government of India Letter, No. 681G, dated 5th May, 1881.

—(*Continued*)

Name of Project.	Division and Circle.	Brief Explanation of each.	Probable amount of Estimate.	Forecast of provision to be made in the Budgets of the Current and following years.		
				1881-82.	1882-83.	18838-4.
			Lakhs	*Lakhs*	*Lakhs*	*Lakhs*
(*d.*) Buckingham Canal South of Markanum.		make a tidal communication now known as the "Buckingham Canal," extending nearly 200 miles north, and about 50 South of Madras. The total outlay from the commencement to date has been nearly 37·4 lakhs, of which 27·1 lakhs may be considered normal. The completion estimates now far advanced amount to about 29 lakhs, so that the normal outlay will, for the finished work be approximately, 56 lakhs. For the distribution of food grain during famine a safe interior line of coastal communication will be invaluable, while for ordinary trade purposes, its importance is daily on the increase. Already boats from Coconada come laden to Madras 400 miles, and it can hardly be doubted that eventually the whole line of coast will be similarly connected. A work of this character is wholly beyond the unaided Provincial resources, and as it is essentially "Protective" in its character, it is here included. The estimates should be ready for submission six months hence.	56·00	* Nil.	5·00	5·00
(*e.*) Baroor Tank.	B Project Division. 2nd Circle.	The extension southward of the above canal through the French territory (18 miles) and as far as Point Calimere has been regarded not merely as desirable for completing a much needed link in the coast communications, but as holding in readiness a work which is considered to be extremely well suited for execution during famine. The details of a considerable portion of the estimate were worked out some years ago, but its entire revision will be needed to allow of its being sanctioned by the Government of India. At the presentmoment, however, there is no very pressing necessity for the work, the time named for its submission may be for the Budget of 1884-85. ... ... This work was commenced for Relief in last Famine. The project provides for an anicut across the Pooniar river, supply channel to Sarur Taluq, enlargement of the tank irrigation channels and head sluices to existing channels. The increase of cultivation is expected to be 5,610 acres, and of revenue, 22,137 rupees. The work is considered valuable as a famine protective work. Plans and estimates have been prepared and submitted to the Government of India, but were returned for revision. They will probably be resubmitted by the end of official year.	30·00	Nil.	Nil.	Nil.
(*f.*) Marandahully.	Do.	Work was commenced for Famine Relief. The project provides for an anicut across Sumadakumara river, supply channel to Sungambasavan tank enlarging this and Jairy Talab, and channels from tanks. Provides for the storage of 667 millions of cubic feet of water. Increase of cultivation and revenue expected not yet known. It is understood that estimates are nearly ready for submission. This work is likely to be of value as a protective work.	3·10	Nil.	1·00	2·00
(*g.*) Vaniar.	Do.	Work was commenced for Famine Relief, but probably the project cannot be carried out so as to utilize all the work then done. The project provides for the formation of a reservoir by damming the valley of the Vaniar river. Increase of cultivation expected is 9,500 acres, and of revenue 33,250 rupees. Plans and estimates have yet to be drawn up, and further enquiry made regarding the returns. It is not certain that the work will prove productive though it may be valuable as a protective work. The estimates might be ready by the end of the official year. ...	3·90	Nil.	1·50	2·00
(*h.*) Hindupur.	C Do. 3rd Circle.	The project provides for constructing an anicut across the Penniar River for the supply of 11 tanks with head sluices and channels. The district of Bellary having very little irrigation, the work would be of value as a protective work. Plans and estimates were prepared many years ago, but the project will need complete revision. Existing cultivation is expected to be improved, and 356 acres of waste land cultivated. Increased revenue expected, 10,906 rupees. Estimates may be submitted by the end of official year.	8·50	Nil.	Nil.	Nil.
(*i.*) Roddam.	Project Division. 3rd Circle.	The project provides for an anicut across the Pennair to supply Roddam large tank, and would, like the work above, be useful as a protective work. Plans and estimates were prepared many years ago, but the project needs complete revision. Existing cultivation is expected to be improved, and 1,344 acres of waste land cultivated. Increased revenue expected 9,105 rupees. Estimates may be submitted by the end of the official year.	2·00	Nil.	1·50	0·50
(*j.*) Complete revised project for the Godavari Delta Works.	D Do	The work to be done is the revision of certain of the estimates already sanctioned, the examination of estimates submitted, and framing one complete estimate. Beyond those already submitted, there will probably be estimates amounting to 24,00,000 rupees required. It is thought that under special arrangements now being made the estimates will be ready for submission in five or six months.	1·40	Nil.	Nil.	1·00
(*k.*) Complete revised project for the Kistna Delta Works.	Do	The same work has to be done as above. Estimates have been prepared and but little revision is expected to be necessary. Revenue returns have to be obtained. These estimates may be expected to be ready for submission by the end of the year or a little after	60·00	Nil.	5·00	5·00
(*l.*) Perryaur.	Do	The project provides for constructing a concrete dam of 170 feet in height and turning the water of the Perryaur river, which now runs into Travancore, into the Madura District. It will it is thought prove invaluable as a protective work. The net return expected from the work is 5,15,000 rupees per annum constituting it also a "Productive." The out-door surveying &c., has been done, and the project has only to be put into shape and may be submitted by the end of the year. ...	140·00	Nil.	5·00	5·00
(*m.*) Poogalur Channel.	Do	The project provides for improving an existing channel, and work was commenced for Famine Relief, 95,057 rupees having been spent on it. The existing irrigation is expected to be improved, and 5,100 acres additional land cultivated; the increase of revenue expected is 48,000 rupees. The estimates have	70·00	Nil.	1·00	5·00

* N.B.—No outlay is shown in 1881-82 against the Buckingham Canal above, as the funds for the current year are being found for "Provincial." At the same time it is much to be desired that a portion if not the whole of the current years assignment may be charged against "Imperial Protective" so as to liberate Provincial Funds most urgently needed for other purposes.

Name of Project.	Division and Circle.	Brief Explanation of each.	Probable amount of Estimate.	Forecast of provision to be made in the Budgets of the Current and following years.		
				1881-82	1882-83	1883-84
			Lakhs.	*Lakhs.*	*Lakhs.*	*Lakhs.*
(b.) Boushkoolla.	D Project Division. 3rd Circle.	been submitted and returned for revision, and of the year. The project provides for an anicut across the Kortalaiy river in the Ganjam District, improving and constructing channels and embanking a natural lagoon in a part of the country where protective works are much needed. Provision is made for 64 miles of navigable canal and for two reservoirs. The area to be irrigated is 1,20,000 acres, and a return of 4 per cent. on the total outlay is expected. The plans and estimates have been prepared, and may be put into shape for submission without delay.	3·70	Nil.	1·00	2·00
(c.) Pahar Anicut.	Unassigned as yet.	The project is for improvements to existing channels under the anicut on the South side. Plans and estimates have been prepared, but not yet submitted, and information is needed as to cultivation and revenue expected.	20·00	Nil.	2·50	2·50
(e.) Aiur Anicut.	Do.	This project provides for an anicut on the Cauvery at Aiur, in South Arcot District. The estimate has been submitted and returned for revision. Information regarding cultivation, &c., is as yet not available. The estimates might be completed in three or four months.	2·50	Nil.	Nil.	Nil.
(f.) Lower Coleroon Anicut.	Do.	This project provides for the improvement of existing irrigation under the Lower Coleroon Anicut in South Arcot, by the subject has not yet been taken up, but it seems certain that great improvements can be made, and the cultivation extended. The estimates could be prepared within a year.	0·51	Nil.	Nil.	Nil.
(r.) Bhawani Reservoir.	Do.	This is a project for forming a large reservoir on one of the tributaries of the Cauvery river, with a view to storing some portion of the flood waters which now runs to waste. Preliminary investigations have been made, and it is thought that by the construction of the reservoir, not only would the supply for the Tanjore Delta be much improved, when occasionally deficient, but over 300,000 acres of additional direct irrigation be secured.	6·50	Nil.	Nil.	Nil.
		TOTALS ...	42·84	0·75	25·00	35·00

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

14th July 1881, No. 1,729 W.

General.
Establishment.

Read the following papers :—

No. 17. From A. B. SAMPSON, Esq., Under Secretary to the Government of India, Public Works Department, (General,) to the Secretary to the Government of Madras, Public Works Department, dated Simla, 5th May 1881, No. 681 G.

I AM directed to acknowledge your letter, No. 337 W., dated 8th February 1881, again recommending for sanction the establishment proposed in your previous letter, No. 2,277 W., dated 1st October 1880.

2. The total amount of all establishment charges under those proposals is estimated at 18½ lakhs against a total grant for the year 1881-82 of 63½ lakhs, or excluding the Madras Harbour Works of 56½ lakhs.

3. The Government of India still retains the objections that the appointment of five Superintendents of Works, each drawing Rs. 100 per mensem as a special allowance, would make the normal pay of Executive Engineer, 1st Grade, quite exceptional, and that some of the charges do not appear to be of sufficient importance to justify the appointment of a special supervising officer; I am to suggest, for the consideration of the Madras Government, the following alternative. Instead of a Superintendent of Works for each of the four circles—

1. Vizagapatam and Ganjam,
2. the Godávari Delta,
3. the Kistna Delta,
4. the Buckingham Canal,

it is proposed for consideration that there might be two circles each under a Superintending Engineer, viz. :—

1. Vizagapatam, Ganjam, and the Godávari Delta ;
2. the Buckingham Canal and the Kistna Delta,

each circle consisting of three executive divisions.

4. The objections to linking the Buckingham Canal to any other circle of superintendence are stated to be its great length (250 miles) and unfinished condition, and also the work involved in controlling the traffic arrangements over so great a length of channel. The details of traffic arrangements should, however, devolve on the Executive Engineer, only a general control being exercised by the Superintending Engineer. As to the extent of the superintendency, it is not nearly so great as the Scinde Circle in Bombay, which is controlled by one Superintending Engineer.

5. If the foregoing suggestion is adopted, the following figures would show the difference between the resulting staff and that proposed by the Madras Government :—

	Proposed by the Madras Government.	Suggested by Government of India.
Chief Engineers	2	2
Superintending Engineers	6	7
Executive and Assistant Engineers	*79	†75

* Including five Superintendents of Works. † Including one Superintendent of Works.

The expense would be somewhat less on the latter scale.

6. The distribution of Executive and Assistant Engineers into classes and grades would be—

	As proposed by Madras Government.	As suggested by the Government of India.
Executive Engineer, Grade 1	8	9
Do. do. 2	10	10
Do. do. 3	11	10
Do. do. 4	5	3
Assistant Engineer, Grade 1	25	24
Do do. 2, &c.	20	19

The Government of India is prepared to give provisional sanction to either of the schemes, expressing, however, a strong preference for the latter. The number of Upper Subordinates proposed is accepted.

7. It is observed that ten Executive and Assistant Engineers are intended exclusively for the preparation of projects for famine relief works, and it is assumed that some portion of the time of the regular divisional staff will also be so occupied. It appears fair to estimate that nearly one-eighth of the whole energies of the staff will be devoted for some time to this object. Under these circumstances the Government of India is prepared to contribute that proportion of the estimated cost of the Madras establishment charges, *i.e.*, 2½ lakhs, from the general grant for Protective Public Works.

8. The assignment of this contribution from the special grant for Protective Public Works makes it necessary that the Government of India should be kept informed of the objects on which it is expended. I am to request therefore that a list of projects of protective works now under preparation and of those it is proposed to prepare during 1881-82 may be submitted at once with a brief explanation of each, and that when the budget estimate for 1882-83 is submitted a brief indication may be given of the progress made on each and a further list submitted of the new projects, the preparation of which will be commenced during that year.

9. The cost of the establishment required for the normal operations of the department may therefore be taken at‡ 16 lakhs against a total grant of 61 lakhs. Of the latter sum, 7 lakhs appertains to the Madras Harbour Works, which are carried out by special establishment, leaving 54 lakhs for the normal public works. The relative cost therefore of works and establishment will be—

‡ 18½ — 2½.

	LAKHS.
Works	38
Establishment charges	16

i.e., the establishment charges are 42 per cent. on the outlay on works. This is still an extremely high percentage.

10. A large proportion of the establishment, however, appears to be required for the supervision of the distribution of water for irrigation and other revenue purposes. In paragraph 27 of your letter now acknowledged it is stated that it is the intention of the Government of Madras to address the Government of India, on the subject of debiting a portion of the Public Works Establishment to Revenue, in a separate communication. I am to state that the Governor-General in Council will be glad to receive the views of the Government of Madras on this point.

11. In sanctioning this large addition to the sanctioned scale of Engineers, it is necessary to consider the question of filling up the vacancies in it. The Government of India has no wish to retard promotion in Madras as compared with other provinces, but it is obvious that to fill up the vacancies in the higher grades altogether from the lower grades of the staff now in Madras would lead to inordinately rapid promotion. Moreover it is likely that the Government of India will very shortly have Engineers thrown on its hands without employ owing to completion of works in the railway branch. Before, then, working up to the new scale, I am to request that a nominal roll may be submitted of the Engineers as they now stand, and a statement of the promotions the Madras Government considers due to length and nature of service, and an endeavour will be made to supply the balance from elsewhere.

12. I am to request that the exceptional arrangement regarding promotions in the place of Superintending Engineers on furlough may cease on the receipt of this letter.

13. The increase now sanctioned to the number of Upper Subordinates will probably enable the Madras Government to find room for those transferred from Madras to Mysore and for men whose home is in Madras who are no longer needed in Mysore, owing to the transfer of the administration of the country to His Highness the Maharajah.

14. I am finally to request that it may be understood that the Government of India cannot admit a higher rate than 25 per cent. on the expenditure on Imperial works as a charge for Imperial establishments exclusive of the establishment employed on Revenue work; that is, one-fifth of the entire Imperial grant shall not be exceeded on account of establishment charges exclusive of what is charged to Revenue work.

No. 17-A. To the Government of India, dated 9th July 1881, No. 1,697 W.

No. 18. ORDER THEREON, 14th July 1881, No. 1,729 W.

THE scale and general arrangement into six Superintending Engineers' Circles sanctioned by the Government of India in the letter above printed have been accepted by the Honorable the Governor in Council.

2. For the reasons explained in the letter to the Government of India, No. 1,697 W., dated 9th July 1881, the following should be added to the scale thus sanctioned :—

Executive Engineers	4
Assistant do.	4
Upper Subordinates	12

3. The modified normal establishment will then stand as follows :—

Chief Engineers.	
First class	1
Second class	1
Third class	1
	†3
Superintending Engineers.	
First class	2
Second class	2
Third class	2
	†6
Executive Engineers.	
First grade	10
Second grade	11
Third grade	11
Fourth grade	4
	36
Assistant Engineers.	
First grade	26
Second and third grades	27
	53
Upper Subordinates of all grades	120

* Includes one Chief Engineer with personal rank. † Includes one for the excess in Chief Eng[illegible]

4. The circles, divisions and sub-divisions with the scale of executive establishment allotted thereto are shown in Appendix A attached to these Proceedings, and the financial result of the new organization with the classes of divisions and details of upper subordinate, lower subordinate, petty, and office establishments, are exhibited in Appendix B.

5. Protective works projects now in hand or proposed under paragraph 8 of the letter from the Government of India are shown in Appendix D, which is circulated for information and guidance.

6. Appendix C (not circulated) contains proposals specially referred to the Government of India.

7. Should the final orders of the Government of India be received in time, the new arrangements will, as regards sanctioned scale, come into force with effect from the 1st August, and the redistribution of executive charges will be carried out as soon after that date as practicable.

8. The proposd of the Government of India (paragraph 7) to contribute towards the cost of establishment a sum of 2½ lakhs from the general grant for Protective Public Works, as also the question (paragraph 10) of debiting a portion of the charge for Irrigation Establishment against the revenue of the works on which they are engaged are under discussion in separate proceedings.

9. The subject matter of paragraph 11 of the Government of India letter in regard to filling up the vacancies in the new scale is also being separately considered and discussed.

10. As regards the agency by which the larger class of Local Fund projects is to be supervised, the Government have intimated their readiness to accept the arrangement suggested in paragraph 5 of the letter from the Government of India, No. 1,639 G., dated 17th September 1880, by which, in return for a general contribution on the part of Local Fund Boards of Rs. 21,250 per annum, the Public Works Department would undertake the duties in question without, however, making any personal allowances to the officers to whom such duties may be assigned. The special allowance hitherto paid will therefore cease on the revised arrangements coming into force.

(True Extract.)

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

To Superintending Engineers.
" Superintendents of Works.
To the Consulting Architect to Government.
" General Superintendent of Public Works Stores.
" Chief Engineer for Irrigation.
" Examiner, Public Works Accounts.
" Consulting Engineer for Railways.
" Financial, &c., Departments.
" Revenue Department.
" Military Department.

Enl. E. C. Shanker.
Spare Copies.

17
16/2

GENERAL.
ESTABLISHMENT.

Govt. of [1881] Madras.

PUBLIC WORKS.

To

SUPERINTENDING ENGINEERS,

&c., &c., &c.

Dated July, 1881.

Issued

Read Encl.

G. O. 1414 July 1881, No. 1,220 W.

JULY.
Nos. 17-18.

Re-organization of the Public Works Department of the Madras Presidency.

All communications should be addressed to the Secretary.

198/1881

No. 1107 G

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.

GENERAL.

SECRETARY TO GOVERNMENT
21 MAY 88
P.W. DEPARTMENT, MADRAS

To

The Secretary to the Government of Madras,
Public Works Department.

Simla, the 16th May 1888.

Sir,

In reply to your letter No. 12 W dated the 6th January 1888, on the subject of special allowances drawn in the Upper Godaveri, I am directed to state that, there is no objection to the Subordinate in question continuing to draw the allowance, but that no further allowances should be passed to any such officer without reference to the Government of India.

I have the honour to be,

Sir,

Your most obedient servant,

G Westmacott

Under Secy. to the Govt. of India.
16/5/88

Public Works Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the

Read the following

Letter from the Govt of India Pub. W. No. 1107 P dt 16th May 1888.

From the Supty. Engr. I Circle
No. 2176 G.D. dt 9.12.87.
From the Exr. Pub. Accts. No. 792
dt 23d Nov 1887.

Communicated to the Supt.g. Engineer I Circle and to the Examiner, P. W. Accounts with reference to their letters marginally noted.

2. A copy of the Proceedings of this Govt. No. 610 W dt 21st February 1888 will be forwarded to the Govt. of India for confirmation.

No. 1183 dt.

To The Secy. to the
Govt. of India P.W.D.

Sir,

I am directed to acknowledge the receipt of your letter No 1107 P dt 16th May 1888, and to forward for the confirmation of the Govt. of India, a copy of the Proceedings of this Govt. No. 610 W dt 21st February 1888, sanctioning the

To
The Supty. Engr. I Circle
Exr. Pub. Accts.

1/89

8-7-08
22-6-12
17-9-14 B.T.
16-5-18
13-8-23 H.T.

Govt. of India. Works.

PUBLIC WORKS.

9/11/08

Encl. Encl.

G.O. No. 1888.

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