M.R.O. 1—77,006—8-6-37.

(1) Number of pages 40

(2) Date of repair 7-11-38

(3) Initials of the Referencer

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.
Con 1073/60

G.O. No. 999 Press / Mis.

Cos-150
Dated 8-3- 18 60

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Proceedings of the Madras Government, Public Works Department, for the month of March 1860.

No. 105. Read the following letter from Lieutenant-Colonel J. H. BELL, Chief Engineer, to the Secretary to Government, dated 21st January 1860, No. 9427.

I have the honor to report for the information of Government, that range establishments have been organized in the districts of the Madras Presidency under the sanction conceded in their Order No. 1801, dated the 26th July last, but with certain alterations in the classification of certain ranges and establishments, which I have found reason to allow.

1 Statement.

2. The difficulties on the part of District Engineers in carrying out the arrangement as sanctioned have given rise to much correspondence. The classification of some of the ranges was objected to as well as the transfer of officers and subordinates from their present charges to others, in order to make their respective ranks correspond with the classes of their respective charge. The reasons alleged may be briefly enumerated as follows :—

3. With regard to the classification, the District Engineers noted in the margin, and others objected to the class assigned to some of the ranges, and they considered that in classing them due consideration was not given to the peculiarities of the works and the importance of each charge. This office was guided in the classification by their relative importance in point of revenue, but District Engineers are of opinion that some of the 1st and 2nd class ranges do not require more than ordinary attention, while others, lower classed, are in a stage of progressive improvement, and require officers of great skill and experience to manage them, and to design and carry out the work intended for the development of the resources of those parts of the country.

Godavery. Krishna. Nellore. Cuddapah. Bellary. Chingleput. Tanjore. Canara.

4. As to the transfer of officers and subordinates from one range to another to meet the classification, the District Engineers have offered considerable objection. They urged that executive officers and agents were well acquainted with the features of the country and other local peculiarities of their present charge, and that to remove them would be to deprive those parts of the country of their long-acquired local knowledge and experience, while it would take some time for others who might be placed in charge of them, by the new arrangement, to acquire that perfect knowledge of every part of their new charge so as to enable them to be of equal use and to as efficiently supervise the works and expenditure of the lower subordinates. They therefore, considered that the public service would be rather prejudiced than benefited by any change, and recommended that the officers and subordinates should remain as they were. But they urged in the mean time, in case the officers were permitted to remain in their present charge, the anomaly which must arise from allowing to subordinates who happen to be in higher classed ranges which require, however, not more than ordinary attention, better paid establishments than to officers who had charge of lower classed ones, and who had hitherto attached to them well paid establishments as their personal staff.

5. Having given due consideration to these and other arguments urged by District Engineers, I have in every case wherein I found the reason advanced to be sufficient, or where the interest of the public service required it, authorized an alteration in the classes of the ranges and establishments, as is shown in the accompanying statement of range establishments.

Resol

6. The alterations so authorized do not involve any extra expense to the State, and may be enumerated as follows:—

Districts.	Number and designation of ranges.	Class of ranges and establishment sanctioned.		Alteration authorized.	
Godavery District.....	No. 1 Lingamparti range	1st class.	120 0 0	2nd class.	100 0 0
	No. 3 Amlapúr.... do.	2nd do.	100 0 0	1st do.	120 0 0
	No. 7 Rajahmundry do.	3rd do.	75 0 0	4th do.	60 0 0
Krishna District.....	No. 4 Nagaram aqueduct do.....	4th do.	60 0 0	3rd do.	75 0 0
	No. 3 Gunteor range....	1st do.	120 0 0	3rd do.	75 0 0
	No. 7 Bandar... do.	2nd do.	100 0 0	1st do.	120 0 0
Nellore District.....	No. 1 Mangalagiri do.	3rd do.	75 0 0	2nd do.	100 0 0
	No. 2 Kóta..... do.	1st do.	120 0 0	2nd do.	100 0 0
Cuddapah District....	No. 1 Nellore ..... do.	2nd do.	100 0 0	1st do.	120 0 0
	No. 1 Badvél ..... do.	2nd do.	100 0 0	3rd do.	75 0 0
Bellary District.....	No. 4 Madanapalli... do.	3rd do.	75 0 0	2nd do.	100 0 0
	No. 2 Harpanhalli do.	1st class.	120 0 0	2nd class.	100 0 0
Kurnool District.....	No. 1 Bellary..... do.	2nd do.	100 0 0	1st do.	120 0 0
	No. 3 Nandiál..... do.	2nd do.	100 0 0	3rd do.	75 0 0
	No. 2 Pániem..... do.	3rd do.	75 0 0	4th do.	60 0 0
	No. 4 Kambam.... do.	4th do.	60 0 0	2nd do.	100 0 0
Tanjore District.....	No. 5 Mannárgudi do.	1st do.	120 0 0	2nd do.	100 0 0
	No. 1 Tiruvádi..... do.	2nd do.	100 0 0	1st do.	120 0 0
North Canara Dist...	No. 5 Kandapúr... do.	2nd do.	100 0 0	4th do.	60 0 0
	No. 3 Sundá..... do.	3rd do.	75 0 0	2nd do.	100 0 0
South Canara Dist...	No. 7 Putúr..... do.	4th do.	60 0 0	3rd do.	75 0 0

7. Besides these alterations, Government have sanctioned in their order dated the 7th November last, No. 2609, alterations in the classes of two ranges, one in the district of Chingleput from a second to a first class, and the other in the North Canara district from a third to a second class, involving an additional expense of Rupees 45.

Púnamalli range.
Honore range.

8. The District Engineers noted in the margin, have advocated the necessity of clubbing tow ranges together and placing them under one officer, under the supposition that upper subordinates would not be found to be so well qualified for such independent charges. The District Engineer of Krishna in particular, strongly urged the union of the two delta ranges, the Ponnúr and Mangalagiri, into one, to admit of their being placed under the supervision of one officer with the view to prevent any undue distribution of the waters which might happen if they were placed under different charge. The reasons urged in these cases, however, did not appear to be conclusive, and I have disallowed the arrangement, and each range has accordingly been placed in charge of an officer or an upper subordinate, as is shown in the accompanying statement of range establishments.

Ganjam.
Krishna.
Bellary.
North Arcot
Coimbatore.
Canara.

9. Some of the ranges in Cuddapah, Trichinopoly and Madura were represented to require alteration in their configuration, as there were some parts to which officers in charge of the range could not proceed for inspection without much inconvenience. The Sidhaut táluq in Cuddapah of the Pulivendla range is, it appears, intersected by a range of hills, and that to inspect the works in one part of it the officer in charge must go round through Badvél in another range. The District Engineer, therefore, recommended the transfer of the táluqs of Kamlápúr, Chennúr and Sidhaut of the Pulivendla range, to Badvél, and Dúvúr and Jammalámadugu of the latter range to Pulivendla. In Trichinopoly the four ranges originally sanctioned by Government were altered to three, under the approval of the late Chief Engineer, in January last,

on account of the intersection by the river Cauvery of one of the ranges, which rendered it difficult for the officer in charge to supervise the works which lay on the other side of it. The District Engineer desired to keep to that arrangement instead of reverting to the organization of the four ranges as originally sanctioned. As I did not consider that any transfer of táluqs from one range to another or a reduction in the number of ranges ought to be made until the configuration of the new táluqs was decided on, I requested the District Engineer to organize the ranges as originally sanctioned, but as it appeared from a subsequent representation of the District Engineer that to do so it would require an exchange of accounts, &c. which would again have to be altered when the new táluqs were constituted, I thought proper to allow the existing arrangement to stand, and authorized the entertainment of the sanctioned establishment as a temporary measure till the question of the boundaries of the new táluqs should be decided.

10. The District Engineer of Madura recommended that the Nellakóta táluq, comprised in range No. 3, might be divided between ranges Nos. 1, 2 and 3, and as the grounds of this recommendation, he explained that the Public Works on the southern and western borders of this táluq are separated from each other and from the northern side in which the 3rd circle lies, by the Nellakóta and Hunnivádi zamíndáris which occupy the centre, that the southern portion adjoins the 1st range, and the western the 2nd, that it was hitherto necessary for the executive officer in charge of the 3rd range to detach and place a Sub-Overseer to superintend the works in those portions, while there were two Sub-Overseers in the 1st and 2nd ranges only a few miles from those works, and that the executive officer had to go about 18 miles to inspect the works in those detached portions, and on account of the Palani and Sirumalle hills skirting the southern and western parts of this táluq, to return by ~~the same road~~ before he could continue his tour to the other parts of his range. Under this explanation, I approved of this sub-division of the táluq, but as I was of opinion that no alteration should be made in this case as well as in that of Cuddapah, until the boundaries of the new táluqs were determined, I informed those District Engineers that no alterations of the existing arrangements could be permitted before the sanction of Government was obtained.

11. These alterations and any other which may be rendered necessary by the configuration of the new táluqs, will be ascertained and made the subject of separate representation to Government.

12. The District Engineer of Chingleput recommends an alteration in the designation of range No. 3 or "Chingleput" range. He states that the greater part of the Chingleput táluq lies in the Púnamalli range, and he, therefore, recommends that that range may be designated as the Karunguli instead of the Chingleput range. To this there appears to be no objection.

13. I beg to state with reference to my letter dated the 6th December last, No. 8034, that the officers and subordinates nominated by Captain Walker for the charge of ranges in Canara, have been approved.

14. I have the honor to request the approval of Government to my proceedings in the organization of the ranges, and their confirmation of the alterations approved of by me in the classes of ranges and establishments.

Result

LIST *showing the Class and designation of Ranges in the Districts under the Madras Presidency as sanctioned on the 26th July 1859 and the alteration of the Establishment proposed by District Engineers and authorized by the Chief Engineer as also the Officers and Subordinates nominated for the charge of each Range.*

No. of the Ranges.	Class of Ranges.	Designation of the Ranges.	No. of each class.	Amount of Establishment.	Alterations of Establishment. Proposed by District Engineers.	Alterations of Establishment. Authorized by the Chief Engineer.	Names of Officers and Subordinates nominated for the charge of Ranges.	Remarks.
		GANJAM.		Rs. A. P.				
1	2nd Class...	Wádáda Range.....	2	100 0 0	3rd Class.....	.....	Mr. A. Colquhoun, Sub-Engr.	Captain Phillips is in charge of the works in Kimidi.
2	2nd do. ...	Moherry do		100 0 0	2nd do.	.....	Mr. Hopkins, Asst. Supervisor	
3	3rd do. ...	Surada do	1	75 0 0	2nd do. to be called Guntoor.	.....	Serjeant J. Lever, Overseer.	
		VIZAGAPATAM.						
1	2nd Class...	Gólkonda Range.....	1	100 0 0	.....	.....		
2	4th do. ...	Vizagapatam do ...	2	60 0 0	.....	.....	Sub-Cond. W. G. Bevan, Supr.	
3	do. ...	Vizianagram do ...		60 0 0	.....	.....	Serjeant T. Hudson, Overseer.	
							Serjant J. Carter, do.	
		GODAVERY DISTRICT.						
1	1st Class....	Lingamparti Range ...	2	120 0 0	2nd Class Est. 100	Authorized 12th Oct...	Capt. J. F. Stoddard, 1st. Asst. Engr.	
5	do. ...	Tanukú do		120 0 0	.....	.....	Capt. T. Greenaway, do....	The Acting District Engineer has not yet nominated the persons to have temporary charge of these Ranges during Captain Greenaway's absence on other duty.
2	2nd do. ...	Kóta Rámachendrapuram do.	2	100 0 0	.....	.....	Mr. G. Tuke, do.	
3	do. ...	Amlapúr do.		100 0 0	1st Class Est. 120	do. do. ...	Mr. W. Rundall, 2nd do.	
6	3rd do. ...	Tadimalla do.	2	75 0 0	.....	.....	Mr. F. N. Hawkins, 2nd do.	
7	do. ...	Rajahmundry do.		75 0 0	4th Class Est. 60	do. do. ...	A. Ramiah, Asst. Supervisor.	
4	4th do. ...	Nagaram aqueduct do ...	1	60 0 0	3rd Class Est. 75	do. do. ...	Mr. W. Stoddard, Supervisor.	
		KRISHNA DISTRICT.						
3	1st Class....	Guntoor Range.....	2	120 0 0	3rd Class Est. 75	do. 5th Nov. 1859	Mr. F. A. Bance, Supervisor.	
5	do. ...	Bezoarah do		120 0 0	.....	.....	Capt. D. G. Pollard, 1st Asst. Dist. Engr.	
2	2nd do. ...	Ponnúr do	3	100 0 0	.....	.....	Serjt. D. Campbell, Asst. Supr.	
6	2nd do. ...	Gudiváda do		100 0 0	.....	.....	Mr. A. F. Ottman, Sub-Engr.	
7	2nd do. ...	Bandar do		100 0 0	1st Class Est. 120	do. do.	Lieut. J. Beatty, 1st Asst. Dist. Engr.	
1	3rd do. ...	Mangalagiri Range	1	75 0 0	2nd Class Est. 100	do. do.	Lieut. J. Magnay, 1st Asst. do.	
4	4th do. ...	Dáchepalli do	1	60 0 0	3rd Class Est. 75	.....	Serjt. H. Lee, Asst. Supr.	
		NELLORE DISTRICT.						
2	1st Class....	Kotta Range.....	2	120 0 0	2nd C. Est. Rs. 100	Authorized 12th Oct...	Lieut. C. J. Smith, Pro. Asst. Engr.	
4	do. ...	Baddepúdi do		120 0 0	.....	.....	Lieut. R. C. A. Marshall, 1st Asst Dist. Engr.	
1	2nd do. ...	Nellore do	2	100 0 0	1st Class Est. 120	Authorized 12th do ...	Capt. A. W. Ritherdon, 1st Asst. Dist. Engineer.	
3	do. ...	Udayagiri do		100 0 0	.....	.....	Condr. H. Irving, Sub-Engr...	
		CUDDAPAH.						
2	1st Class....	Pulivendla Range	1	120 0 0	.....	.....	Assistant Commy. W. Arnold, Sub-Engr.	
1	2nd do. ...	Badwél do	2	100 0 0	3rd Class..... 75	Authorized 4th Nov...	Mr. A. Damerum, Asst. Supr.	
3	2nd do. ...	Chitwél do		100 0 0	.....	.....	Mr. J. George, 2nd Asst. Dist. Engr.	
4	3rd do. ...	Madanapalli do	1	75 0 0	2nd Class..... 100	Do. do.	Capt. J. G. Palmer, 1st do do.	
		BELLARY.						
2	1st Class....	Harpanhalli Range...	1	120 0 0	2nd C. Est. Rs. 100	Authorized 12th Oct...	Capt. R. C. Babington, 2nd Asst. Dist. Engr.	
1	2nd do. ...	Bellary do	4	100 0 0	1 Do. 120	Do. do.	Condr. W. Porter, Supervisor.	
4	do. ...	Adóni do		100 0 0	.....	.....	Mr. G. M. T. Powell, 2nd Asst. Dist. Engr.	
5	do. ...	Anantapur do		100 0 0	.....	.....	Capt. W. Syme, 2nd Asst. do.	
6	do. ...	Pennakonda do		100 0 0	.....	.....	Sub Condr. J. Gray, Asst. Supervisor.	
3	3rd do. ...	Raidrúg do	1	75 0 0	.....	.....	Mr. W. H. Blacker, Supervisor.	Transferred to Cuddapah, and no one as yet nominated for the charge of the range.
		KURNOOL.						
3	2nd Class...	Nandiál Range.....	1	100 0 0	3rd C. Est. Rs. 75	Authd. 18th Nov. 1859	Mr. J. G. Conran. Asst. Supr.	
1	3rd do. ...	Panchapáleyam Range..	2	75 0 0	.....	.....	Dy. Comy. F. Eaton, Supr.	
2	do. ...	Pániem do ...		75 0 0	4th do. 60	Do. do.	Mr. T. Skipp, Asst. Overseer.	
4	4th do. ...	Kambam do	1	60 0 0	2nd do. 100	Do. do.	Mr. G. Leggatt, Sup. A. Engr.	
		CHINGLEPUT.						
1	2nd Class...	Náyer Range...	3	100 0 0	.....	.....	Mr. W. A. Goodchap, Supr.	
2	do. ...	Púnamalli do		100 0 0	1st Class Rs. 120	Sanctd. by Govt. 7th November 1859.	Lieut. H. Tulloch, Ag. 1st. Asst. District Engineer.	
3	do. ...	Chingleput do		100 0 0	.....	.....	Valoomyloo, Overseer.	

LIST *showing the Class and designation of Ranges in the Districts under the Madras Presidency, &c.—(Continued.)*

No. of the Ranges.	Class of Ranges.	Designation of the Ranges.	No. of each Class.	Amount of Establishment.	Alterations of Establishment. Proposed by District Engineers.	Alterations of Establishment. Authorized by the Chief Engineer.	Names of Officers and Subordinates nominated for the charge of Ranges.	Remarks.
				Rs. A. P.				
		NORTH ARCOT.						
4	1st Class....	Vellore Range..... ...	1	120 0 0	.....	.....	Capt. Phillips, Mr. S. Ward, Overseer, Acting.	
1	2nd Class...	Tiruvalam do	1	100 0 0	2nd Class, Est. Rs. 100	.....	Capt. W. H. Watts, 1st Asst. District Engineer.	
2	3rd do. ...	Chendragri do		75 0 0			Dy. Comy. H. G. O'Hara, 2nd Asst. Dist. Engineer.	
3	do. ...	Kávéripák do	3	75 0 0	.....	.....	Condr. M. Howard, Supervisor.	
5	do. ...	Polúr do		75 0 0	.....	.....	Mr. J. Biggers, Supg. Asst. Engineer.	
		SOUTH ARCOT.						
4	1st Class...	Chidambaram Range... ...	1	120 0 0	.....	.....	Mr. B. T. Norfor.	
3	2nd do. ...	Tirukalúr do	1	100 0 0	.....	.....	Mr. J. Brosnahan, Asst. Engr.	Appointed 2nd Assistant District Engineer, Tinnevelly.
1	3rd do. ...	Cuddalore do ...	2	75 0 0	.....	.....	Condr. F. Graham, Sub-Engr.	
2	do. ...	Tindivanam do ...		75 0 0	.....	.....	Mr. W. E. Wright, 1st Asst. District Engineer.	
		TANJORE.						
2	1st Class....	Combaconum Range...		120 0 0	3rd C. Est. Rs. 75	.....	Mr. C. W. Maitland, Sub-Engineer.	
3	do. ...	Kuttálam do ...	3	120 0 0	.....	.....	Lieut. W. C. Palmer, 1st Asst. District Engineer.	
5	do. ...	Mannárgudi do ...		120 0 0	2nd do. Rs. 100	Authd. 12th Oct. 1859.	Atchuta Naidu, Sub-Engineer.	
1	2nd do. ...	Tiruvádi do	1	100 0 0	2nd C. Est. Rs. 120	Do. do.	Lieut. W. Chrystie, 1st Asst. District Engineer.	
4	3rd do. ...	Kívalúr do	1	75 0 0	.....	.....	Mr. A. Lawford, 1st do. ...	The District Engineer has not yet reported the name of the Officer to take charge of this Range on Mr. Lawford's quitting the District.

		TRICHINOPOLY.						
1	1st Class...	Kónád Range...	1	120 0 0	.....	.....	Lieut. H. R. Mead, Pro. Asst. Engineer.	
2	2nd do. ...	Lálgudi do	2	100 0 0	.....	.....	Mr. E. G. Ricketts, 2nd Asst. District Engineer.	
4	do. ...	Valiconda do		100 0 0	.....	.....	Mr. F. Dick, Supervisor.	
3	4th do. ...	Musiri do	1	60 0 0	.....	.....	Sub-Condr. W. F. Bateman, Asst. Supervisor.	Transferred to Tanjore temporarily on account of ill-health.
		MADURA.						
1	1st Class....	Madakulam Range.....	...	.....	.....	.....	Mr. W. C. Harrington, 1st Asst. Dist. Engineer.	
3	2nd do. ...	Tádikombu do	...	.....	.....	.....	Lieut. H. Smalley, Ag. 2d do.	
4	3rd do. ...	Rámnád and Shivaganga Range for Government works.....	...	.....	.....	.....	Mr. J. Drane, Asst. Overseer.	
2	4th do. ...	Tenkarai Range.....	...	.....	.....	.....	Vencataramiah, Asst. Supervisor.	
		TINNEVELLY.						
1	1st Class...	Nelliyambalam Range ...	1	120 0 0	.....	.....	Lieut. J. O. Hasted, 2nd Asst. District Engineer.	
2	2nd do. ...	Strivilliputúr do ...	2	100 0 0	.....	.....	Lieut, J. Makgill, Pro. Asst. Engineer.	
3	do. ...	Strivaikuntam do ...		100 0 0	3rd C. Est. Rs. 75	.....	Mr. F. Mason, Asst. Supervisor.	
4	3rd do. ...	Sattúr do	1	75 0 0	4th do. 60	.....	Serjt. T. Smither, Overseer.	
5	4th do. ...	Valliyúr do	1	60 0 0	2nd do. 100	.....	Mr. D. McNair, Supervisor.	
		COIMBATORE.						
4	2nd Class...	Coimbatore Range.....	2	100 0 0	.....	.....	Capt. H. T. Rogers, Ag. 1st Asst. Dist. Engineer.	
6	do. ...	Karúr do		100 0 0	.....	.....	Mr. T. H. Bush, 2nd Asst. do.	
2	3rd do. ...	Neilgherry do	3	75 0 0	.....	.....	Serjt. J. McDonnagh, Overseer.	
3	do. ...	Sattimangalam do		75 0 0	.....	.....	Mr. T. R. Lowry, Sub-Engr.	
5	do. ...	Poláchi do		75 0 0	.....	.....	Mr. A. Lawford, 1st Asst. Dist Engineer.	
1	4th do. ...	Kollegal do	1	60 0 0	.....	.....	Mr. T. H. Webb, Asst. Overseer.	

LIST *showing the Class and designation of Ranges in the Districts under the Madras Presidency, &c.—(Continued.)*

No. of the Ranges.	Class of Ranges.	Designation of the Ranges.	No. of each Class.	Amount of Establishment.	Alterations of Establishment. Proposed by District Engineers.	Alterations of Establishment. Authorized by the Chief Engineer.	Names of Officers and Subordinates nominated for the charge of Ranges.	Remarks.
				Rs. A. P.				
		SALEM.						
3	2nd Class...	A'ttúr Range.....	1	100 0 0	.....	.....	T. Veerasawmy Moodr., Supr	
1	3rd do. ...	Usúr do		75 0 0	.....	.....	Lieut. A. D. Clay, 1st Asst. Dist. Engineer.	
2	do. ...	Salem do	2	75 0 0	.....	.....	Mr. R. E. Norfor, 2d Asst. do.	
		NORTH CANARA.						
5	2nd Class...	Kundapúr range.....	1	100 0 0	4th C. Est..... 60	Authd. 12th Oct. 1859.	Mr. J. Machado, Overseer.	
1	3rd do. ...	Súpa do		75 0 0	.....	.....	Mr. J. W. Laskey, do.	
2	do. ...	Yellápúr do		75 0 0	.....	.....	Lieut. G. V. Law, 2nd Asst. Dist. Engineer.	
3	do. ...	Sunda do	4	75 0 0	2nd Class Est...100	Do. do.	Mr. V. M. Fernandez. Asst Overseer.	
4	do. ...	Honúr do		75 0 0	2nd do. ...100	Sanctd. by Govt. 7th November 1859.	Lieut. E. L. Hankin, 1st Asst. Dist. Engineer.	
		SOUTH CANARA.						
6	2nd Class...	Mangalúr Range	1	100 0 0	....	.....	Lieut. J. N. Hunter, 1st Asst. Dist. Engineer.	
7	4th do. ...	Putúr do	1	60 0 0	3rd Class Est... 75	Authd. 12th Oct. 1859.	Mr. J. Bossinger, Sub-Engineer	
		MALABAR.						
1	2nd Class...	Kavai Range.....		100 0 0	.....	.....	Mr. H. B. Smith, 1st Asst Dist. Engineer.	
2	do. ...	Calicut do	3	100 0 0	.....	.....	Dy. Asst. Comy. H. Bailey, Sub-Engineer.	
3	do. ...	Kutnád do		100 0 0	.....	.....	Mr. C. König, 2nd Asst. Dist Engineer.	

Central Office of P. W.,
Sépákkam, 21st Jany. 1860.

(Signed.) J. H. BELL, Lieut.-Col.,
Chief Engineer.

No. 106. ORDER THEREON, 8th March 1860, No. 499.

The Government sanction the alteration in the classes of the ranges and establishments specified in paragraph 6 of this letter, on the understanding that they involve no increase of charge; they request, moreover, to be furnished with a statement showing at one view, in a clear and concise form, the actual financial result of the arrangements respecting establishments, proposed by the Chief Engineer both on the present and previous occasions, in regard to the entire Department of Public Works.

2. As to the other parts of the Chief Engineer's letter, the Government will await the receipt of the further report promised in paragraph 11.

3. The change in designation referred to in paragraph 12 is sanctioned.

4. The Government approve entirely of Colonel Bell's proceedings as regards the alterations which he has considered necessary.

(Signed) J. D. BOURDILLON,
Secretary to Government.

110

Central Office of P.W.
Nepaltkam
21 January 1860

No. 9427

From
The Chief Engineer

To
The Secretary to Government
Public Works Department

Sir

I have the honor to report for the information of Government that Range Establishments have been organized in the Districts of the Madras Presidency under the sanction conceded in their order No. 1801, dated the 26th July last, but with certain alterations in the classification of certain Ranges and Establishments which I have found reason to allow.

Enclosure / Statements

The difficulties on the part of District Engineers in carrying out the arrangements so sanctioned have given rise to much correspondence. The classification of some of the Ranges was objected to as well as the stranger of Officers and subordinates from their present charges to others, in order to make their respective ranks correspond with the classes of their respective charges

result

charge. The reasons alleged may be briefly enumerated as follows.

3 With regard to the classification the District Engineers noted in the Margin and others objected to the class assigned to some of the Ranges, and they considered that in classing them due consideration was not given to the peculiarities of the works and the importance of each charge. This Office was guided in the classification by their relative importance in point of Revenue; but District Engineers are of opinion that some of the 1st and 2nd class Ranges do not require more than ordinary attention, while others lower classed are in a stage of progressive improvement and require Officers of great skill and experience to manage ——— them; and to design and carry on the work intended for the development of the resources of those parts of the Country.

Gorewey
Kistna
Godavery
Kaira
Belary
Canglepattu
Sangore
Kanara

4 As to the transfer of Officers and subordinates from one Range to another to meet the classification the District Engineers have offered considerable objection. They urged that Executive Officers and agents were well acquainted with the features of the Country and other local peculiarities of their present charge, and that to remove them would be to deprive those parts of the Country of their long acquired local knowledge and experience, while it would take sometime for others who might be placed in charge of them by the new arrangement to acquire that perfect knowledge of every part of their new charge, so as to enable them to be of equal use and to as efficiently supervise the works and expenditure of the Lower Subordinates. They therefore considered that the Public service would be rather prejudiced than benefitted by any change and recommended that the Officers and Subordinates should remain as they were. But they urged in the meantime, in case the Officers were permitted to remain in their present charge, the anomaly which must arise from allowing to subordinates who happen to be in higher classed ranges which require however not more than ordinary attention, better paid establishments than to Officers who had charge of lower classed ones, and who had hitherto attached

attached to them with said establishments as their personal staff.

5 Having given due consideration to these and other arguments urged by District Engineers, I have in every case wherein I found the reason advanced to be sufficient, or where the interests of the Public Service required it, authorized an alteration in the classes of the Ranges and Establishments, as is shown in the accompanying Statement of Range Establishments.

6 The alterations so authorized do not involve any extra expense to the State, and may be enumerated as follows.

Districts	Number and designation of Ranges	Class of Ranges and Establishment sanctioned		Alteration authorized	
	Singampatti				
Salem District	No. 1 Singampatti Range	1st Class	120	2nd Class	100
	No. 3 Amlapur do	2nd do	100	1st do	120
	No. 4 Rajadmundry do	3rd do	75	2nd do	100
	Nagaram				
	No. 2 Nagaram Sub-range	4th do	60	3rd do	75
Kistna District	No. 3 Gunter Range	1st do	120	3rd do	75
	No. 2 Bander do	2nd do	100	1st do	120
	Mangalagiri				
	No. 1 Mangalagiri do	3rd do	75	2nd do	100
Nellore District	No. 2 Cotta Patta do	1st do	120	2nd do	100
	No. 1 Nellore do	2nd do	100	1st do	120
	Badvel				
Cuddapah District	No. 1 Badvel do	2nd do	100	3rd do	75
	No. 2 Madanapalli do	3rd do	75	2nd do	100
Madras	Madanapalli				

Districts	Number and designation of Ranges.	Class of Ranges & Establishment sanctioned		Alteration authorized	
	Hanpanhalli				
Bellary District	No. 2 Hanpanhalli Range	1st Class	120	2nd Class	100
	No. 1 Bellary do	2nd do	100	1st do	120
Kurnool District	No. 3 Nandyal do	2nd do	100	3rd do	75
	No. 2 Panyem do	3rd do	75	4th do	60
	No. 2 Kundapoor do	4th do	60	2nd do	100
Canara District	No. 5 Manargudi do	1st do	120	2nd do	100
	No. 1 Sirsi do	2nd do	100	1st do	120
North Canara District	No. 5 Kundapoor do	2nd do	100	4th do	60
	No. 3 Sirsi do	3rd do	75	2nd do	100
South Canara District	No. 7 Puttur do	4th do	60	3rd do	75
Canara	Ontu				

7 Besides these alterations Government have sanctioned in their order dated the 7th November last alteration in the classes of two Ranges, one in the District of Chingleput from a second to a first class, and the other in the North Canara District from a third to a second class, involving an additional expense of Rupees 45.

8 The District Engineers noted in the margin have advocated the necessity of clubbing two Ranges together and placing them under one Officer, under the supposition that either subordinate would not be found to be so well qualified for such independent charges. The

District

Chingleput — Chinnamalai Range.

Canara — Canara Range.

Kistna District — Bezwada; North Arcot — Ponnamallee; Canara — Canara.

result

District Engineer of Kistna in particular strongly urged the union of the two Delta Ranges, the Penur and Munglagherri into one to admit of their being placed under the supervision of one Officer with the view to prevent any undue distribution of the waters which might happen if they were placed under different charge. The reasons urged in these cases however did not appear to be conclusive, and have disallowed the arrangement; and each Range has accordingly been placed in charge of an Officer or an Upper Subordinate as is shewn in the accompanying Statement of Range Establishments.

Some of the Ranges in Kadapa, Trichinopoly and Madura were represented to require alteration in their configuration, as there were some parts to which Officers in charge of the range could not proceed for inspection without much inconvenience. The Sidhout Talug in Kadapa of the Pulivendla Range is, it appears, intersected by a range of Hills, and that to inspect the works in one part of it the Officer in charge must go round thro Budwail in another range. The District Engineer therefore recommended

Sidhout

Kadapa

Kamlapoor Cherror Sidhout Budwail Doovur Gummulmudgu Pulivendla Kamalapuram Range

recommended the transfer of the Talugs of Caumlapoor, Cherror and Sidhout of the Pulivendla range to Budwail and Doovur and Gummulmudgu of the latter Range to Pulivendla. In Trichinopoly the four Ranges originally sanctioned by Government were altered to three, under the approval of the late Chief Engineer, in January last, on account of the intersection by the River Cauvery of one of the Ranges which rendered it difficult with the Officer in charge to supervise the works which lay on the other side of it. The District Engineer desired to reach to that arrangement instead of reverting to the organization of the four Ranges as originally sanctioned. As I did not consider that any transfer of Talugs from one Range to another or a reduction in the number of Ranges ought to be made until the configuration of the New Talugs were decided on, I requested the District Engineer to organize the Ranges as originally sanctioned, but as it appeared from a subsequent representation of the District Engineer that to do so it would require

form the actual financial result

require an exchange of accounts &c. which would again have to be altered when the new Tálugs were constituted, I thought proper to allow the existing arrangement to stand, and authorized the entertainment of the sanctioned establishment as a temporary measure, till the question of the boundaries of the New Tálugs should be decided.

10 The District Engineer of Madura recommended that the Nellacottah Tálug, comprised in Range No. 3, might be divided between Ranges No. 2 and 3, and as the ground of this recommendation he explained that the Public Works on the Southern and Western borders of this Tálug are separated from each other and from the Northern side in which the 3rd Circle lies, by the Nellacotta and Dunnevaady Zemindaries which occupy the centre, that the Southern portion adjoins the 2nd Range, and the Western the 2nd, that it was deemed necessary for the Executive Officer in charge of the 3rd Range to detach and place a Sub Overseer to superintend the works in those portions where there were two Sub Overseers in the 1st and 2nd Ranges only a few miles from those works and that the Executive Officer had to go about 18 Miles to inspect the works in those detached portions; and on account of the Pulney and Sivagunnaly Hills dividing the Southern and Western parts of this Tálug, to return by the same road before he could continue his tour to the other parts of his range. Under this explanation I approved of this Sub Division of the Tálug, but as I was of opinion that no alteration should be made in this case as well as that in Madura until the boundaries of the New Tálugs were determined, I informed those District Engineers that no alterations of the existing arrangements could be permitted before the sanction of Government was obtained.

Nellacotta

Hemmivadi Zamindaries

Salem Lirumalai

11 These alterations and any other which may be rendered necessary by the configuration of the new Tálugs will be ascertained and made the subject of separate representation to Government.

were

The

Form No actual journals

Newell

239

Com: 29th July/59 at 71-72.
" 10th Nov. " " 82-83.
" 10 Dec. " " 135-136.

P.W. 1860 Department
Pro: of Govt. 10th March.
No. 204

From
The Chief Engineer
To
The Secretary to Govt.
P.W.D.

Dated 21st
Recd. 23rd January 1860

Subd. 1st No. 9427

Submitting to Govt. a Statement of Range Establishment as organized under the Sanction of Govt. of 26 July last with certain alterations not involving any additional charge).

No 105.

No. 499. 8 March

c24 to July 829

List showing the Class and designation of Ranges in the Districts under the Madras Presidency as sanctioned on the 26th July 1859 and the alteration of the Establishment proposed by District Engineers and authorized by the Chief Engineer as also the Officers and Subordinates nominated for the Charge of each Range.—

No. of the Ranges	Class of Ranges	Designation of the Ranges	No. of each Class	Amount of Establishment	Alterations of Establishment proposed by District Engineers	Alterations of Establishment authorized by the Chief Engineer	Names of Officers and Subordinates nominated for the Charge of Ranges	Remarks
1					5	6	12	13
		Ganjam						
1	2nd Class	Waddada Range	2	100	3rd Class		Mr. A. Colquhoun Sub Engr.	Captain Phillips is in Charge of the works in Ganjam
2	2nd do	Mohurry do		100	2nd do		Mr. Hopkins Asst. Supr.	
3	3rd do	Surada do	1	75	2nd do to be called Gunter		Serjt. J. Lever Overseer	Kimedi
		Vizagapatam						
1	2nd Class	Golconda Range ~~Golconda~~	1	100			Sub Condr. H. G. Bevan Supr.	
2	4th do	Vizagapatam do	2	60			Serjt. J. Hudson Overseer	
3	do	Vizianagram do		60			Serjt. J. Carter do	
		Godaveri District						
1	1st Class	Innampurie Range ~~Innampurie~~	2	120	2nd Class	100 authorized 12th Oct.	Capt. J. A. Stoddard Asst. Engr.	The Acting Collector has not yet nominated to the Sessions to have temporary charge of these Ranges during Capt. Greenaway's absence on other duty
5	do	Tanikie do		120			Capt. T. Greenaway do	
		Kóta Ramachendrapuram						
2	2d do	Cotaramachendrapur do	2	100			Mr. G. Tuke do	
3	do	Aurlapore Amlapur do		100	1st Class	120 do 12th Oct.	Mr. W. Rundall 2d Asst. do	
		Tadimalla						
6	3d do	Tadennella do	2	75			Mr. F. N. Hankin 2d do	
7	do	Rajahmundry do		75	4th Class	60 do do	A. Ramiah Asst. Supr.	
		Nagaram						
4	4 do	Nuggarum aqueduct do	1	60	3d Class	75 do do	Mr. W. Stoddard Supr.	
		Kistnah District						
3	1 Class	Guntur Range ~~Guntur~~	2	120	3d Class	75 do 5th Nov. 59	Mr. F. A. Ranco Supr.	
5	do	Bezoaiah do		120			Capt. D. G. Pollard Asst. Engr.	
2	2d do	Ponnur do	3	100			Serjt. D. Campbell Asst. Supr.	
6	2d do	Gudewadah do Bandal		100			Mr. A. F. Ottman Sub Engr.	
7	2d do	Bunder do Bandar		100	1st Class	120 authorized 5th Nov. 59	Lieut. J. Beatty 1st Asst. Engr.	
1	3d do	Munglagheri do Mangalagiri	1	75	2d Class	100 do do	Lieut. J. Magnay 1st Asst. do	
4	4th do	Dutchapelli do Dachepalli	1	60	3d Class	75	Serjt. H. Lee Asst. Supr.	

No. of the Ranges	Class of Ranges	Description of the Ranges		No. of Subdivisions	Amount of Establishment	Alterations of Establishment proposed by Distt. Engr.	authorized by the Chief Engineer	Names of Officers and Subordinates nominated for the Charge of Ranges	Remarks
		Nellore District							
2	1st Class	Cotta Range	Cotta	2	120	2d Class Rs. 100	authorized 12th Oct.	Lt. C. J. Smith Ex. Asst. Engr. Lt. R. C. S. Marshall 1st Asst. Engr.	
4	do	Buddapindi do	Buddapah		120				
1	2d do	Nellore do			100	1st Class 120	authorized 12 do	Captn. A. W. Pitheidow 1st Asst. Condr. H. Irving Sub Engr.	
3	do	Midiagherri do	Udayagiri		100				
		Kuddapah	Cuddapah						
2	1st Class	Pulivandla Range	Pulivendla	1	120			Asst. Comm. J. M. Arnold Sub Engr.	
1	2d do	Budwail do	Badwel		100	3d Class 75	auth. 4th Nov.	Mr. A. Damasum Asst. Supr. Mr. J. George 2d Asst. Engr.	
3	2d do	Chilwail do	Chilwal	2	100				
4	3d do	Mudnapulli do	Madanapalli		75	2d Class 100	do do	Captn. J. G. Palmer 1st Do. Do.	
		Bellari	Bellary						
2	1st Class	Sunkenkulla Range		1	120	2d Class Rs. 100	auth. 12th October	Captn. R. C. Babington 2d Asst. Engr.	
1	2d do	Bellari do			100	1 do 120	do do	Condr. M. Porter Supr.	
4	do	Adóni do		4	100			Mr. G. M. Lowell 2d Asst. Engr. Captn. M. Lyons 2d Asst. Do.	
5	do	Anantapur do			100			Sub Conductor J. Gray Asst. Supr.	
6	do	Pennakonda do			100			Mr. W. H. Blacker Supr.	Transferred to Cuddapah, and no one as yet nominated for the charge of the Range
3	3d do	Raiding do		1	75				
		Kurnool	Kurnool						
3	2d Class	Nundiall Range	Nandial	1	100	3d Class Rs. 75	auth. 18th Nov. 1859	Mr. J. L. Donovan Asst. Supr. Dy. Comm. F. Eaton Supr.	
1	3d do	Punchapollium do	Panchapalliyam	2	75				
2	do	Canium do			75	4th do 60	do do	Mr. J. Kipps Asst. Overseer	
4	4th do	Cumbum do	Kambam	1	60	2d do 100	do do	Mr. L. Leggatt Sub Asst. Engr.	

No. of the Ranges	Class of Ranges	Designation of the Ranges		No. of Sub-Ds. Class	Amount of Establishment	Alterations of Establishts. Proposed by authy. by the Distt. Engr.	Alterations of Establishts. Proposed by authy. by the Chief Engineer	Names of Officers and Subordinates nominated for the Charge of Ranges	Remarks
		Chingleput							
1	2d. Class	Nayer Range	Nazar		100			Mr. W. A. Goodchap Supr.	
2	do	Punamalli do	Punamalli	3	100	1st Est. Rs. 120 and 2d Est. Rs. 100	1st Est. Rs. 120 and 2d Est. Rs. 100	Lieut. H. Sullock 1st Asst. 1st D. Engr.	
3	do	Chingleput do			100			Valoomylvo Overseer	
		North Arcot							
4	1st Class	Vellore Range	Vellore	1	120			Captn. Phillips Mr. Ward Overseer Ks.	
1	2d. Class	Triwallum do	Tiruvalam	1	100			Captn. W. H. Watts 1st Asst. 2d D. Engr.	
2	3d. do	Chendragherie do	Chendragiri		75	2d Est. Rs. 100		Dy. Commr. H. O'Hara 2d Asst. 2d D. Engr.	
3	do	Cauveripauk do	Kaveripak	3	75			Condr. Mr. Howard Supr.	
5	do	Potur do	Potur		75			Mr. J. Bizeers Sub. 1st Engr.	
		South Arcot							
4	1st Class	Chellumbrum Range	Chidambaram	1	120			Mr. R. Tucker	
3	2d. do	Tirukalur do		1	100			Mr. J. Brownlow Asst. Engr.	Appointed 2d Asst. to Distrct. Engr. Trimally
1	3d. do	Cuddalur do	Cuddalore	2	75			Condr. F. Graham Sub Engr.	
2	do	Tindivanam do			75			Mr. M. E. Wright 1st Asst. 2d Engr.	
		Tanjore							
2	1st Class	Combaconum Range			120	3d Est. Rs. 75		Mr. C. W. Maitland Sub Engr.	
3	do	Cuttalum do	Kuttalam	3	120			Lieut. W. Palmer 1st Asst. 2d Engr.	
5	do	Manargudi do	Mannargudi		120	2d do 100	on 12th Oct. 1859	Mahadu Naidu Sub Engr.	
1	2d. do	Trivadi Range	Tiruvadi	1	100	2d Est. 120	do do	L. W. Chrystie 1st Asst. 2d Engr.	
4	3d. do	Keeralur do	Kiralur		75			Mr. J. Lawford 1st do	The District Engr. has not yet reported the name of the officer to take charge of this range on Mr. Lawford quitting the District.

No. of the Ranges	Class of Ranges	Designation of the Ranges	No. of Sub-Divs.	Amount of Establishment	Alterations of Establishment Proposed by auth. by the Chief Engr.	Names of Officers and Subordinates nominated by Chief Engineer for the Charge of Ranges	Remarks
		Trichinopoly					
1	1st Class	Konád Range	1	120		Lt. H. R. Mead Dno. Asst. Engr.	
2	2d do	Láalgudi do	2	100		Mr. E. L. Ricketts 2d Asst. Engr.	
4	do	Válikonda do		100		Mr. T. Dick Supr.	
3	4th do	Múseri Mussiri do	1	60		Sub Condr. W. T. Bateman Asst. Supr.	Transferred to Tanjore temporarily on account of ill health
		Madura					
1	1st Class	Maadacolum Range Mádakulam				Mr. H. E. Harrington 1st Asst. Engr.	
3	2d do	Taudicombu do Tádikombu				Lt. H. Smalley 2d do	
4	3d do	Ramnad and Sheragunga Ranges for Govern. works Ramnad Shiraganga				Mr. J. Diane Asst. Overseer	
2	1st do	Trichinopoly Range Tirichinapalli				Venkataramiah Asst. Supr.	
		Tinnevelly					
1	1st Class	Nellamgaddum Range Nellamkottai	1	120		Lt. J. C. Haslet 2d Asst. Engr.	
2	2d do	Streevilliputtur Srivilliputtur do		100		Lt. J. Makgill Project Engr.	
3	do	Streevigumtum Srivaikuntam do	2	100	3d Class — 75	Mr. F. Mason, Asst. Supr.	
4	3d do	Sautur Sattur do	1	75	4th do — 60	Serj. T. Smither Overseer	
5	4th do	Vulligur Valliyur do	1	60	2d do — 100	Mr. D. McNair Supr.	
		Coimbatore					
4	2nd Class	Koyamatur Range Coimbatore	2	100		Captn. H. T. Rogers 1st Asst. Engr.	
6	do	Karur do Karur		100		Mr. T. Rush 2d Asst. do	
2	3d do	Neilgherro do Neilgherry		75		Serj. J. McDonnagh Overseer	
3	do	Luttimungalum do Lattimangalam	3	75		Mr. J. R. Loury Sub Engr.	
5	do	Solachu do Solachi		75		Mr. A. Lawford 1st Asst. Engr.	
1	4th do	Kolegálb do	1	60		Mr. H. Webb Asst. Overseer	

No. of the Ranges	Class of Ranges	Designation of the Ranges	No. of Sub-divisions	Amount of Establishment	Alterations of Establishment Proposed by Sub. Engr.	Alterations of Establishment Auth.d by the Chief Engr.	Names of Officers and Subordinates nominated for the Charge of Ranges	Remarks
		Salem						
3	2nd Class	Attúr Range Attúr	1	100			T. Veerasawmy Mudr. Supr.	
1	3 do	Ossúr do Ussúr	2	75			Sr. A. D. Clay 1st Asst. Dr. Engr.	
2	do	Salem do		75			Mr. R. E. Norfor 2d Asst. do	
		North Kanara Canara						
5	2d Class	Kundapúr Range	1	100	4 Clerks	do auth.d 12 Oct.r 1859	Mr. J. Machado — Overseer	
1	3d do	Súpah do	4	75			Mr. J. M. Laskey — do	
2	do	Yellápúr do		75			Sr. G. V. Law 2d Asst. Dr. Engr.	
3	do	Sunda do		75	2 Clerks	100 do do	Mr. V. M. Fernandez Asst. Overseer	
4	do	Honúr do		75			Sr. J. Ker Rankin 1st Asst. Dr. Engr.	
		South Kanara						
6	2nd Class	Mangalúr Range	1	100			Sr. J. M. Hunter 1st Asst. Dr. Engr.	
7	4th do	Cúlur do Cúlur	1	60	3 Clerks	75 auth.d 12th Oct.r 1859	Mr. J. Bosinger Sub Engr.	
		Malabar						
1	2nd Class	Kavoy Range Kánai	3	100			Mr. H. B. Smith 1st Asst. Dr. Engr.	
2	do	Kalicut do Calicut		100			Dr. Asst. Com.r H. Baily Sub Engr.	
3	do	Kúttanad do Kuttanad		100			Mr. C. Honey 2d Asst. Dr. Engr.	

Central Office of Dr. Works —
Septakum 27th January 1860.

J. H. Hall Lieut.t Colo.
Chief Engineer

P. Library

Such is a letter
from
The Chief Engineer
to the Secy. to Govt. P.W.D.
dated 21st
Jany. 1860
No. 142.

P.W.D. 14/1/60.

Sub. Submitting the Class and designation of Rangers in the Public Works under the Provisions of the Sanction of Govt. No. 26. dt. 18th ult. Stating that the alterations mentioned in the Chief Engineer's letter are in accordance with the Sanction of Govt. and also the Chief Engr. asks the Opt. of Govt. in submitting the Establishments for the class of Rangers

Public Works Dept

No. 429 P

Proceedings of the Madras Government
Under date the 8th March 1860

Read the following
letter from the Chief Engineer.

Submitting to Govt. a Statement of Ranger Establishment as organized under the sanction of Government dated 26th July last with certain alterations not involving any additional charge.

Fort Saint George 21st January 1860
No. 142 P

The Government sanction the alteration in the classes of the Rangers and Establishments specified in this letter, on the understanding that they involve no increase of charge. ~~But~~ They request moreover to be furnished with a Statement shewing at one view in a clear and concise form the actual financial result

W. de

Ellis para 8

result of the arrangements respecting Establishments proposed by the Chief Engineer both on the present and previous occasions in regard to the entire department of Public Works.

As to the other parts of the Chief Engineer's letter, the Government will await the receipt of the further report promised in para 11.

The change in designation referred to in para 12 is sanctioned.

The Government approve entirely of Col. Bell's Proceedings as regards the alterations which he has considered necessary.

10 Copies to the Chief Engineer with a Copy to Auditor Public Works

Public Works 1860 Dept.
Pro: of Govt. 10. March.

No. 499.

Pro: of the Madras Govt.
Dy 8. March 1860.

From the Chief Engr. 3/17 Dec. 1859
Cl. No. 3095 in Pro.
7. Jany 61. No. 25

On the organiza:
=tion of range establish:
=ments in the Districts of
the Madras Presidency.

No 105 & 106.

From Chief Engr. dated
26 Jany 61. C. No.
185. in Pro 29. Jany.
No. 199

From Sy. No. 29 1. June 61
No. 1261 in Pro.