

(1) Number of pages 60.

(2) Date of repair 3.9.87

(3) Initials of the Referencer lms ✓

TAMIL NADU ARCHIVES

VERNMENT OF TAMIL NADU

JWD DEPARTMENT

G.O. No.	1309 W	Press.
B.P. No.		Mis.
Dated	26. 5. 1884	197

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de l'abbaye de Saint-Étienne de Caen

Nallamada calingula, 3 lascars at Rs. 6	...	...	...	...	...	Rs. 18
Parchurvagu surplus sluice	{ 1 superintendent at Rs. 10	...	...	...	...	10
	{ 2 lascars at Rs. 6	...	...	...	...	12
Vellatur surplus sluice, 1 lascar at Rs. 6	...	...	...	...	...	6
Kollur surplus sluice, 1 lascar at Rs. 6	...	...	...	...	...	6
Total per mensem						52
Total for six months						312

4. Sanction for this establishment was not applied for with the other temporary establishment sanctioned in G.O., No. 770 W., of the 22nd March 1884, under the impression that the sanction accorded for it in G.O., No. 1007 W., of the 2nd April 1883, will hold good until any further changes are required. This, however, not being the case, and some alterations also being needed, the enclosed statement is now submitted for sanction.

6. A statement of proposals for revising the permanent water regulation establishment is also herewith sent for your approval and sanction of Government, and for allotment of funds to provide for four permanent lascars at two for each for Nallada calingula and Parchurvagu surplus sluice.

ENCLOSURES.

STATEMENT of Proposition for Revision of the Permanent Water Regulation Establishment required for the Kistna Delta System in the II Circle.

ORDER SANCTIONING THE PRESENT ESTABLISHMENT—GOVERNMENT OF MADRAS, PUBLIC WORKS DEPARTMENT.	Number and Date.	Office to which the Proposition refers.	NATURE OF CHANGE.										Remarks by Local Government.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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NOTE.—The increase is due to the provision of four lascars at two for each for the Nallamada catlingula and Parchuruvu surplus sluice on a salary of Rs. 6 per mensem.

STATEMENT of Proposition for Revision of Temporary Water Regulation Establishment required in the Kistna Delta System in the II Circle for six Months during the Official Year 1884-85.

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Statement of Proposition for Revision of Temporary Water Regulation Establishment required in the Kistna Delta System in the II Circle for six Months during the Official Year 1884-85—cont.

ORDER SANCTIONING PRESENT ESTABLISHMENT—GOVERNMENT OF MADRAS, PUBLIC WORKS DEPARTMENT.	Number.	Date.	Office to which the Proposition refers.	NATURE OF CHANGE.										PROPORTIONS.										Remarks by Local Government.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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1007 W. 2nd April 1883. Kistna Western.	2	Lascars	Malapalem Escape.	Rs. 12	2	Lascars	Malapalem Escape.	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12	2	Lascars	Rs. 12

26TH MAY 1884, No. 1309 W., PUBLIC WORKS.

26TH MAY 1884, No. 1309 W., PUBLIC WORKS.

No. 49 E.W.

Forwarded to the Chief Engineer, Public Works Department, with a recommendation that the changes proposed by the Superintending Engineer, II Circle, in the water regulation establishment of the Kistna delta may be sanctioned.

OOTACAMUND, 19th May 1884. (Signed) J. O. HASTED, Colonel, R.E., Chief Engineer for Irrigation.

To the Chief Engineer, Public Works Department.

ORDER—dated 26th May 1884, No. 1309 W., Public Works.

The revised scales of establishment for water regulation in the Kistna delta proposed by the Superintending Engineer, II Circle, are sanctioned.

2. The sanction to the permanent scale has been registered as Provincial No. 16 W. of 1884-85, and classified as Establishment, Permanent. That for the temporary scale has been registered as Provincial No. 17 W. of 1884-85, and classified as Establishment, Temporary.

(True Extract.)

Major, R.E.,
Under Secy. to Govt., P.W.D.

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

Exd. E. Fernandez.
Spare Copies

1309
3

GENERAL
ESTABLISHMENT.

Govt. of (1884) Madras
PUBLIC WORKS.

Dated May, 26th.

Recd.

En

G.O., 26th May 1884, No. 1309 V

MAY.

Establishment

The revised scales of —, permanent and temporary, for water regulation in the Kistna delta proposed by the Superintending Engineer, sanctioned.

1309
H

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

14th January 1878, No. 36 I.

Irrigation
Establishment.

Read the following paper:—

No. 50 K.S.

No. 32.

IRRIGATION—MEMORANDUM.

WITH reference to the letter, No. 28, of the 21st May last, from the Superintending Engineer, Kistna, the undersigned has the honor to say that he thinks had Major Hasted seen Proceedings, Madras Government, No. 1,038, of the 22nd April 1874, his proposals for the revision of the Kistna Delta Conservancy Establishments would perhaps have been considerably modified. A copy of those Proceedings, Madras Government, is now forwarded, and the undersigned regrets that they were not communicated in the first instance. He some time since directed that all Proceedings, Madras Government, connected with Delta arrangements and management should be sent to both the Kistna and Godavery.

2. It will be seen that in the Godavery there are now only three grades or classes of Delta Superintendents, the pay being—

	RS.
1st Class	70
2nd „	55
3rd „	40

and as for good reasons or after due consideration it was decided to do away with the 4th class there the Kistna Superintendents should, it is thought, be similarly dealt with.

3. In the next place the Superintending Engineer proposes to employ 19 Delta Superintendents instead of 10 the present number. It is not clear on what data Major Hasted has based his proposals. In the Godavery it will be seen that 25,000 acres of irrigation have been deemed a reasonable charge for a Superintendent, and should this basis be found suitable to the Kistna, the ultimate number would be about 19, and this number would be much too large for present requirements though, during the development of irrigation and until distribution arrangements have been got into working order, it is probable that the area which can be looked after properly by a Superintendent will be considerably less. Perhaps then twelve Superintendents, which would make the average area something under 20,000 acres, would be suitable, but the best plan will be to fix the charges and show the acreage under each canal or principal distributary in each thus—

Delta.	Delta Superintendents.	DELTA SUPERINTENDENT'S CHARGES.						Remarks.
		Canals.	Miles.	Acres.	Distribu- tion Channels.	Miles.	Acres.	
Eastern ...	No. 1.							
Do. ...	No. 2.							
							59	18,633

N.B. - The acre against canals will be direct irrigation which added to that against distributaries will be the whole acreage under a canal.

There are many circumstances tending to prevent equalization of charges, and so, though desirable in the abstract, it is only necessary to consider this point so far as may be conveniently practicable. It may be found advisable to consider not only the present charges of Delta Superintendents, but the ultimate charges also, as in this way all important points will be likely to receive full attention.

4. The undersigned does not think that regulating works in the Delta should be entrusted to lascars temporarily entertained, and permanent lascars accustomed and trained to the management of gear should be detailed for the time required to the Komatigunta and Weyyur weirs.

5. It is not clear that Delta Superintendents require two lascars each. One may be needed for measurements, examination of aprons under water, &c., and similar work. The Superintending Engineer is requested in resubmitting his proposals to explain the intention.

6. It is thought that it will be desirable to give some encouragement to deserving lascars by affording some more favorable chance of promotion by means of grading. Two-tenths of the whole number might be Head lascars at 8 Rupees, two-tenths lascars at 7 Rupees, three-tenths lascars at 6 Rupees, and three-tenths lascars at 5 Rupees.

7. The undersigned concurs with the Superintending Engineer in considering that Irrigation and Navigation Establishments should be kept quite distinct.

8. With regard to the Delta Tappal lascars the weak point in the proposed arrangements seems to be that the men will have far too little to do; the necessity for a regular tappal at any rate during the irrigation season is recognized, but apparently these lascars' definite work will be confined to some three hours a day. Plantation work is somewhat casually referred to as a means of affording useful employment, but in some way or another it is certainly desirable that definite work which can be examined should be cut out for them so as to keep them occupied for seven or eight hours a day at any rate.

9. It is understood that Channel Superintendents will in due course be abolished. There appear to be 16 lascars for 3 Channel Superintendents in the Western Delta. If these Superintendents are engaged for six months only it is not clear why the abolition should not take place at once.

10. It is observed that the number of Lock Superintendents is to be reduced from 18 to 15, and that of the latter number one is to be of the 1st grade, Rupees 15, seven at Rupees 12, and seven at Rupees 10. In looking over Statement B there does not appear to be any reason why the Superintendents of the higher grade should

Except perhaps Dugirala, as here there is a double charge.

be posted to the particular locks on which they are now employed, and if so the Superintendents might be graded and dis-

tributed as the Superintending Engineer thinks fit. It may be well to make two-tenths 1st grade, four-tenths 2nd grade, and four-tenths 3rd grade, or of 15 Superintendents—

	Rs.
Three 1st grade	15
Six 2nd "	12
Six 3rd "	10

There will then be better opportunity of rewarding the deserving.

11. With regard to the establishments generally some useful hints may perhaps be obtained from the Conservancy Establishment Appendix of the Budget.

27th July 1877.

(Signed) JOHN MULLINS, Colonel, R.E.,
Chief Engineer for Irrigation.

No. 32-A. From Major J. O. HASTED, R.E., Superintending Engineer, Kistna, to the Chief Engineer for Irrigation, dated Masulipatam, 20th November 1877, No. 153.

WITH reference to your memorandum No. 50 K.S., dated 27th July 1877, I have the honor to forward herewith revised statements of proposed Conservancy Establishments and Navigation Establishment in the form suggested.

- 1 Statement of Ancient and Conservancy Establishment.
- 1 Statement of Navigation Establishment.
- 1 Abstract of do. do.
- 1 List of Petty Establishment.
- 1 Statement of Delta Superintendent's charges.

2. It is very difficult in the present state of the irrigation to fix satisfactory charges, proportionally as regards acreage, to the extent that has been fixed as the limit of Delta Superintendent's charges in the Godavery Delta. The enclosed statement shows the most satisfactory arrangements which, after much consideration, I can suggest; but as the irrigated area extends, these arrangements must be modified, and the labor entailed in distribution will be but slightly increased, when the improved distributing channels are carried out.

3. I now propose an establishment of nine Delta Superintendents in the Eastern Delta, and five in the Western Delta. If irrigation from Delta Canals only were taken into account, I could have managed with eight in the Eastern Delta; but I have added one for Divi and the eastern bank, as during river floods the management of river channels requires supervision, and this part of the Delta is situated so that the Overseer cannot readily visit it.

4. The Delta Superintendents are graded, in the proportion you have recommended, as far as possible. Travelling allowance is entered only for those who, under former rules, were allowed it.

5. As regards the temporary establishment or that proposed to be entertained only for six months of the year, these men are in continued employment in reality, as when not engaged on the distributing works they are employed on works, their pay being charged to those works. The so-called temporary appointments are stepping stones to permanent appointments, and it seems to me that it would be better to continue this arrangement than to increase the charge to establishment.

6. I am disposed to think that two lascars are necessary for each Delta Superintendent. The Superintendent requires one to be constantly with him in examination of sluices and channels and frequently may require to detach one to see that the arrangements for other channels have not been interfered with by the cultivators. Towards the close of the season, especially, when water is running low in the channels, it is necessary to fix dates on which to open and close certain sluices, and in carrying out this distribution no assistance can be looked for from the cultivators.

7. The lascars have been graded as suggested by you, the distribution of the grades being purposely left to the Superintending Engineer, as it does not seem convenient that this distribution should be made once for all.

The lowest rate of pay for a Delta Superintendent was to be Rupees 30, and as often as this amount has become available by the occurrence of vacancies in the list of Channel Superintendents, the Superintending Engineer has appointed an additional Delta Superintendent.

5. The other changes proposed are the reduction of establishment under the head of Navigation, the grading of the Lock Superintendents, the grading of lascars, and the introduction of a separate Tappal Establishment under irrigation. At present the water reports which are indispensable, and the various communications between the Canal officers and subordinates are transmitted daily by lock lascars, but on the reduction of the numbers of the latter it will be necessary to employ tappal lascars whose primary work will involve the carriage of the post bags twelve miles daily, and whose spare time will be devoted to the canal plantations for a distance of one mile above and below their respective head-quarters.

7. The general results of the proposed revision are under—

* Proposed.	168 × 6 months	.. 1,008
Present.	15 × 5 months	75
	126 × 6 "	756
	<hr/>	<hr/>
	141	831
	<hr/>	<hr/>
	27	177

2

Distribution of Navigation Establishment.

	Superintendents	Lascars	Remarks
<i>Eastern Delta.</i>			
Main Canal, Head Lock ...	1	4	
Masulipatam Canal, Kunkipad Lock ...	1	4	
" Verunkey Lock ...	1	4	
" Nedamoie " ...	1	4	
" Akumurra " ...	1	4	
" Tidal " ...	1	4	
Pulleru, Pamurru Lock ...	...	2	
Budimair, Casarapilly Lock ...	...	2	
Buntumilly Canal, Kowtaram Lock ...	...	2	
<i>Western Delta.</i>			
Main Canal, Head Lock ...	1	4	
Nizampatam Canal, Duggiralla Lock ...	1*	3	*This Superintendent will look after the Commamur canal head lock also.
" Kachipudi " ...	1	2	
" Jatur " ...	1	2	
" Nallavada " ...	1	2	
" Tidal " ...	1	2	
Bank Canal, Head Lock ...	1	3	
Commamur Canal, Head Lock ...	1	2	
Jagarlamudy Lock ...	1	2	This lock will probably be completed next year.
Santaravur " ...	1	2	
Total ...	16	56	

CAMP, KISTNA,
13th December 1877.

(Signed)

JOHN MULLINS, Colonel, R.E.,
Chief Engineer for Irrigation.

Abstract showing the totals of Conservancy Establishment of the Kistna Delta.

NATURE OF CHANGE.

Present Scale.	Proposed Scale.	Remarks.
Rs.	Rs.	
Anicut and Conservancy Establishment ... 1,519	Anicut and Conservancy Establishment ... 1,699	
Navigation Establishment ... 708	Navigation Establishment ... 545	
Total per month ... 2,227	Total per month ... 2,244	
Deduct Temporary Establishment. 141	Deduct Temporary Establishment 168	
Net Total ... 2,086	Net Total ... 2,076	
Total for twelve months ... 25,032	Total for twelve months ... 24,912	
Add Temporary Establishment as follows:—	Add Temporary Establishment as follows:—	
15 x 5 months = ... 75	168 x 6 months = ... 1,008	
126 x 6 do. = ... 756		
831		
Total as per Budget ... 25,863	Deduct as per present scale ... 25,863	
	Excess required per year ... 57	

CAMP, KISTNA,
13th December 1877.

(Signed)

JOHN MULLINS, Colonel, R.E.,
Chief Engineer for Irrigation.

Tabular Statement of the Anicut and Conservancy Establishment of the Kistna Delta as existing and as proposed.

Tabular Statement of the Anicut and Conservancy Establishments.									
ORDERS OF THE GOVERNMENT OF INDIA.		P. W. Department.		Financial Department.		Remarks.		Orders.	
Local Government's recommendation.									
Grounds of Proposition.									
PROPOSITION.									
Permanent.		Temporary.							
Increase per month.	Decrease per month.	Period.	Increase per month.	Period.					
RS.	RS.	RS.	RS.	RS.					
NATURE OF CHANGE.					Proposed Scale.				
					RS.				
Present Scale.					Permanent Establishment.				
Anicut Establishment.					RS.				
1 Anicut Superintendent. 100					1 Anicut Superintendent. 100				
1 Maistry ... 30					1 Assistant Superintendent. 30				
1 Clerk ... 12					1 Clerk ... 15				
1 Head Lascar ... 7					1 Do. ... 12				
8 Lascars at 6 Rs. each ... 48					157				
22 Do. at 5 " " ... 110					157				
307					307				
IRRIGATION ESTABLISHMENT.									
Eastern Delta.									
1 Delta Superintendent, 1st-class ... 70					3 Delta Superintendents, 1st grade, at 70 Rs. each ... 210				
2 Do., 2nd-class, at 50 Rs. each ... 100					5 Do. do., 2nd grade, at 55 Rs. each ... 275				
2 Do., 3rd-class, at 40 Rs. each ... 80					6 Do. do., 3rd grade, at 40 Rs. each ... 240				
2 Do., 4th-class, at 30 Rs. each ... 60					19 Lascars, 1st grade, at 8 Rs. each ... 152				
10 Channel Superintendents, at 12 Rs. each ... 120					19 Do., 2nd grade, at 7 Rs. each ... 133				
23 Lascars, at 5 Rs. each ... 115					27 Do., 3rd grade, at 6 Rs. each ... 162				
Office to which the Proposition refers.									
No. and date of Order.									
G.O. No. 3,401, dated 13th November 1865.									
G.O. No. 1,593, dated 15th June 1871.									

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Total Statement of the Aint and Conservancy Establishment of the Kistna Delta as existing and as proposed—(Continued).

No. and date of Order	Office to which the Propo- sition refers	NAMES OF CHARGES.		PROPOSITION.						ORDERS OF THE GOVERN- MENT OF INDIA.	
		Present Scale.	Proposed Scale.	Permanent.	Temporary.	Grounds of Proposition.	Local Government's recom- mendation.	Remarks.	Remarks.	P. W. Depart- ment.	Financial Department.
G.O., No. 3,228, dated 13th October 1868.		<i>Ellore Canal.</i>		Rs.		23 Lascars, 4th grade, at 5 Rs. each ... 140	Rs.				
		1 Superintendent ... 8				...					
		1 Lascar ... 6				...					
		1 Do. ... 5				...					
		504				1,312					
G.O., No. 1,593, dated 15th June 1871.		<i>For five months.</i>				Temporary Establishment for six months.	1,312				
		Moparru Calingulah on Budmair.	564								
		3 Lascars at 5 Rs.				3 Superintendents at 10 Rs. each ... 30					
		...	15			23 Lascars at 6 Rs. each ... 138					
		15				168					
G.O., No. 3,446, dated 6th November 1867.		Total, Eastern Delta ...	886			168					
		<i>Western Delta.</i>									
		Delta Superintendent, 1st- class ... 50									
		1 Do., 2nd-class ... 40									
		1 Do., 3rd-class ... 30									
G.O., No. 2,408, dated 8th April 1867.		174 Channel Superinten- dents at 12 Rs. each ... 210									
		23 Lascars at 5 Rs. each ... 115									
		445									

G.O., No. 3,581, dated 19th December 1874.		<i>For six months.</i>									
		Poondia sluice and two calin- gulahs at Pondrapadu.									
		2 Lascars at 6 Rs. each ... 12									
		Nallamada and Masulipatam Calingulahs.									
		1 Clerk ... 10									
G.O., No. 3,446, dated 6th November 1867.		4 Lascars at 6 Rs. each ... 24									
		Paruchuru Vagu Sakikalava Calingulahs and Sluices.									
		3 Lascars at 6 Rs. ... 18									
		Aramanda Channel.									
		1 Clerk ... 10									
G.O., No. 3,446, dated 6th November 1867.		3 Lascars at 6 Rs. each ... 18									
		Alleru Calingulah.									
		1 Clerk ... 10									
		4 Lascars at 6 Rs. each ... 24									
		34									
G.O., No. 3,446, dated 6th November 1867.		126									
		Total, Western Delta ...	571								
		Total of two Deltas ...	1,457								
		Travelling Allowance ...	62								
		Grand Total ...	1,519								

CAMP, KISTNA,
13th December 1877.

For distribution see separate sheet attached.

(Signed) JOHN MULLINS, Colonel, R.E.,
Chief Engineer for Irrigation.1309
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Distribution of Establishment—Irrigation.

	Delta Superintendents.	Superintendents.	Assistant Superintendents.	Clerks.	Lascars.	Remarks.
<i>Permanent.</i>						
Azient	...	1	1	2	31	
<i>Irrigation Establishment.</i>						
Eastern Delta	9	...	...	...	18	
Ellore canal	...	...	...	...	8	
Tappal	...	...	...	...	13	
Total ...	9	1	1	2	65	
<i>Temporary for six Months.</i>						
Moparru calingulah on Budimair	...	...	...	...	3	
Weyyur weir	...	...	...	...	2	
Kanattigoota weir	...	...	...	...	2	
Total ...	...	...	...	...	7	
<i>Permanent.</i>						
Western Delta	5	...	...	...	10	
Tappal	...	...	...	...	18	
Total ...	5	...	...	...	28	
<i>Temporary for six Months.</i>						
Pondla sluice and two escapes at Pondupadu	...	...	...	...	2	
Nallamadda and Malapalem escapes, Parohur Vagoo Salkicalva calingulah and sluices	...	1	...	...	4	
Arenada channel	...	1	...	...	3	
Aleru escape	...	1	...	...	4	
Total ..	...	3	...	...	16	
Total, Permanent ...	14	1	1	2	93	
Total, Temporary ...	...	3	...	...	23	

CAMP, KISTNA,
15th December 1877.

(Signed)

JOHN MULLINS, Colonel, R.E.,
Chief Engineer for Irrigation.*List of Petty Establishment required to be employed on River Embankments in Kistna District.*

Description of Appointments.	Salary per Month.	Amount for 12 Months.	Remarks.
<i>Eastern Delta</i>			
1 Maistry	Rs. 30	Rs.	
1 Do.	25		
2 Do. at 20 Rupees each	40		
Total, Eastern Delta	95	1,140	
<i>Western Delta.</i>			
1 Maistry	30		
1 Do.	25		
1 Do.	20		
Total, Western Delta	75	900	
Grand Total	170	2,040	

MASULIPATAM,
20th November 1877.

(Signed)

J. O. HASTED, Major, R.E.,
Superintending Engineer, Kistna.*Statement showing Delta Superintendent's Charges as per present Irrigation Channels with reference to Delta Divisions, &c., sanctioned.*

DELTA SUPERINTENDENT'S CHARGES.									
Delta Superintendents.	Canals.	Miles.	Acres.	Distribution Channels.	Miles.	Acres.	Total Mileage approximate.	Total Acreage approximate.	Square Miles approximate.
1	...	4	5	...	7	8	9	10	11
2	...	39	...	Tenneru, Viravalli, Kanumilu, &c., channels ...	13	5,000	72	20,000	100
3	...	39	...	Small channels from Kistna portion of Ellore Canal for Godavary irrigation ...	20	15,000	83	10,000	100
4	...	24	...	Uppalur Kunderu, &c., channels ...	33	20,000	78	24,000	150
5	...	18	...	Idupugulu, Kolavennu, Tenneru, Ponadipadu, &c., channels ...	12	6,000	91	18,000	80
6	...	37	...	Godavadi branch and its distributaries, Monikonda, Nandamuru, Venindra, Ventrapragada, Musappakaneadu, Gondicodu, Dondapadu, &c., channels ...	34	4,000	102	20,000	100
7	...	...	...	Budameru and its distributaries, Moparru, Nekaralladu, Bhumi codu, &c., channels ...	46	10,000			
8	...	...	...	Weyyuru, Kopalaswarapuram, Yalavani, Poniana, Palacodu chuttram, &c., channels ...	78	24,000			
9	...	26	...	Average under Main Canal and Branches cannot be separated.	91	18,000			
10	...	...	...		76	20,000			

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Statement showing Delta Superintendent's Charges as per present Irrigation Channels with reference to Delta Divisions, &c., mentioned (Continued).

Delta Superintendent's Charges	Delta Superintendent's Charges	Miles	Acres	Distribution Channels	Miles	Acres	Total Miles approximately	Total Acres approximately	Square Miles approximately	Remarks
1	0	3	4	6	7	8	9	10	11	12
6	Potrazodu Canal and Lower Pulliru.	41	...	Chignakota, Kikabu, Bhincopatan, Urvi, Pantacodu, Gorricadu, Tumendi, Chennuru, Varachadu, &c., channels ...	149	23,000	190	23,000	130	
7	Pullaru Canal	...	...	Butlerodu and its distributaries Monallacodu, Yellacodu, Nissam-karayacodu, &c., channels ...	69	2,000				
				Bantunelli channel and its distributaries, Ternibus channel and small irrigation channels ...	68	13,500				
				East side channel and its distributaries Ramarazupolem, &c., channels ...	45	500				
8	Masilupatam Canal below Kankipadu.	36	...	West side channel and its distributaries Bodlonka, Meduru, Pamidimukkala, &c., channels ...	177	16,000	177	16,000	220	
9	Bank Canal Divi	83	...	Suvarnamukhi supply channel, Kadi tank supply channel, Talagadu Divi channel, &c. ...	70	11,000	106	11,000	120	
				Branches cannot be separated.	...	...				
				Total, Eastern Delta ...	765	152,000	1,027	152,000	1,100	

Delta Superintendent's Charges	Delta Superintendent's Charges	Miles	Acres	Distribution Channels	Miles	Acres	Total Miles approximately	Total Acres approximately	Square Miles approximately	Remarks
1	Bank Canal	...	...	...	...	...	...	...	...	...
2	Main Canal	...	...	...	...	...	...	...	...	...
	Nizampatam Canal	...	...	...	...	...	...	...	...	...
		...	...	...	...	...	...	...	...	...
3	Commamur Canal	...	...	...	...	...	...	...	...	...
		...	...	...	...	...	...	...	...	...
4	Nizampatam Canal	...	...	...	...	...	...	...	...	...
		...	...	...	...	...	...	...	...	...
5	Commamur Canal as far as Nallamodu ealingulah.	...	...	...	...	...	...	...	...	...
	Commamur Canal below Nallamodu ealingulah.	...	...	...	...	...	...	...	...	...
	Total, Western Delta ...	112	...	...	...	...	...	...	...	...
	Grand Total ...	374	...	...	...	...	...	...	...	...

MASULIPATAM,
20th November 1877.

(Signed)

J. O. HASTED, Major, R.E.,
Superintending Engineer, Kistna.1309
12
11

No. 33. ORDER THEREON, 14th January 1878, No. 36 I.

HIS GRACE the Governor in Council approves of the revision of the Kistna Delta Conservancy and Navigation Establishment in the manner recommended for sanction by Chief Engineer for Irrigation.

2. It is observed that the new scale exceeds the present sanction by Rupees 57 only yearly.

3. The sanction of the Government of India to the new scale will be applied for, and in the entries in the Budget estimate for 1878-79 the new scale will be adopted.

(Here enter No. 37 I, dated 14th January 1878.)

(True Extract.)

(Signed) JOHN MULLINS, Colonel, R.E.,
Joint Secy. to Govt., P.W.D.,
Irrigation Branch.

To the Superintending Engineers, Kistna and Godavery.
" Examiner of Public Works Accounts.
" Chief Engineer for Irrigation.

Exd. E. C. Shunker.
Spare Copies

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IRRIGATION.
ESTABLISHMENT.

Govt. of (1878) Madras.
PUBLIC WORKS.

To

THE SUPERINTENDING ENGINEERS,
KISINA AND GODAVERY.

cc. cc. cc.

Dated January 14th.

Issued

Recd.

Encl.

G. O., 14th January 1878, No. 36 I

JANUARY.

Nos. 32-33.

Kistna Delta Establishment.—The revised
scale of Conservancy and Navigation Estab-
lishments of the —, approved and forwarded
for the sanction of the Government of India.

3RD MARCH 1884, No. 582 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following papers:—

From J. W. RUNDALL, Esq., Superintending Engineer, II Circle, to the Chief
Engineer, Public Works Department, dated Masulipatam, 6th February
1884, No. 919 N.L.—Through the Chief Engineer for Irrigation.

I have the honor to forward, herewith, for your approval and sanction of Govern-
ment, a tabular statement showing the
proposed changes in the temporary water
regulation establishment of the Nellore

division. The existing establishment was sanctioned in G.O., No. 1641 W., of the
11th June 1883.

2. A new head-sluice has been built on the Baggéru, at the head of the channel
supplying the important Máhimalúr tank. The sluice is some distance from the tank,
and it is advisable to have two lascars during the time that freshes may be expected
in the Baggéru.

1309
#4
13

Enclosure.
Tabular Statement showing the proposed changes in the temporary water regulation establishment of the Nellore division, in the II Circle, to accompany letter No. 919 N.I., dated 6th February 1884.

Pillar's Scale		Proposed Scale		Iscazab.		Preparat.		Remarks by the Local Government.	Grounds of Proposition.	Orders of the Government or Local.	Remarks in the Public Works Department.
No.	Designation.	Amount of Salary.	No.	Designation.	Amount of Salary.	No.	Amount of Salary.				
IRRIGATION OBSERVANCY ESTABLISHMENT. Pillar Ancient System.											
1	Superintendent at Rs. 10 ..	12	1	Superintendent ..	12	..	..	..	..	..	..
2	Do. at " 8 ..	20	2	Do. at " 8 ..	20	..	..	..	..	..	..
3	Do. at " 6 ..	16	3	Do. at " 6 ..	16	..	..	..	..	..	..
4	Lascars at " 5 ..	90	4	Lascars at " 5 ..	90	..	..	..	..	..	..
5	Total ..	138	5	Total ..	138	..	..	..	..	..	..
6	For 7 months ..	966	6	For 7 months ..	966	..	..	..	..	..	..
7	Superintendent at Rs. 5 ..	7	7	Superintendent at Rs. 5 ..	7	..	..	..	..	..	..
8	Do. at " 4 ..	10	8	Do. at " 4 ..	10	..	..	..	..	..	..
9	Lascars at " 3 ..	17	9	Lascars at " 3 ..	17	..	..	..	..	..	..
10	Total ..	68	10	Total ..	68	..	..	..	..	..	..
11	For 4 months ..	1,034	11	For 4 months ..	1,034	..	..	..	..	..	..
12	Grand Total ..	1,034	12	Grand Total ..	1,034	..	..	..	..	..	..
IRRIGATION AND NAVIGATION WORKS FOR WHICH SEVERAL CAPITAL FOR REVENUE ACCOUNTS ARE KEPT. Water Regulation Establishment.											
1	Superintendent ..	7	1	Superintendent ..	7	..	..	..	..	..	..
2	Lascars at Rs. 5 ..	30	2	Lascars at Rs. 5 ..	30	..	..	..	..	..	..
3	Total ..	37	3	Total ..	37	..	..	..	..	..	..
4	For 4 months ..	148	4	For 4 months ..	148	..	..	..	..	..	..
5	Grand Total ..	148	5	Grand Total ..	148	..	..	..	..	..	..
6	Total, Nellore District ..	1,182	6	Total, Nellore District ..	1,182	..	..	..	..	..	..
The two lacary are required for regulating the water at the new head-stroke to Mahimulur tank in Atmakur tank.											

(Signed) J. W. RUNDALL,
Surveying Engineer, II Circle.

(Signed) J. W. RUNDALL,
Superintending Engineer, II Circle.

MASULIPATAM,
6th February 1884.

No. 17 E.W.

Endorsement on the above.

Forwarded to the Chief Engineer, Public Works Department, with a recommendation that the temporary establishment applied for may be sanctioned.

(By Order.)

CHEPÂK,
12th February 1884.

(Signed) A. S. RUSSELL,
Assistant Chief Engineer for Irrigation.

Office Note from the Examiner of Public Works Accounts, dated 25th February 1884, No. 1200.

ORDER—dated 3rd March 1884, No. 582 W., Public Works.

The revised scale of temporary water regulation establishment required for the Nellore division, as shown under "proposed scale" in the tabular statement printed with these proceedings, is sanctioned for the year 1884-85.

2. This sanction has been registered as Provincial No. 80 W. of 1883-84, and classified as Establishment, Temporary.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

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

Exd. E. Fernandez.
Spare Copies

1309
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GENERAL
ESTABLISHMENT.

Govt. of (1884) Madras.

PUBLIC WORKS.

Dated March, 3rd.

Recd.

Encl.

G.O., 3rd March 1884, No. 582 W.

MARCH.

Establishment

The revised scale of temporary water regulation — for 1884-85, for the Nellore division, sanctioned.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Establishment.

No. 714 I.

No. 48.

FROM

THE JOINT SECRETARY TO THE GOVERNMENT OF MADRAS,
Public Works Department, Irrigation Branch,

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,
Public Works Department (Irrigation).

SIR,—I am directed to submit, for the approval and sanction of the Government of India, a proposed increase to the pay of the Kistna Superintendent of the Kistna Anicut at Bezvada.

2. The Superintendent at present draws a salary of Rs. 100 according to the scale fixed in Proceedings of Madras Government, No. 36 I., dated 14th January 1878, which was approved by the Government of India in letter No. 22 E.I., of 20th February 1878, and it is proposed, in consideration of very excellent services he has rendered, to grant him a personal allowance of Rs. 20 per mensem.

3. The salary proper of the post will remain fixed at Rs. 100. It is proposed that the personal allowance for which sanction is asked shall commence from 1st April 1882.

I have the honor to be,

Sir,

Your most obedient servant,

(Signed) JOHN MULLINS, Colonel, R.E.,
Joint Secy. to Govt., P.W.D.,
Irrigation Branch.

FORT ST. GEORGE,
18th October 1881.

Exd. S. T. Austin.
Spare Copies

IRRIGATION.
ESTABLISHMENT.

Govt. of 1881 Madras.
PUBLIC WORKS.

To

THE SECRETARY TO THE
GOVERNMENT OF INDIA.

Dated October, 18th.

Issued

Recd.

Encl.

G. O., 18th October 1881, No. 714 L.

OCTOBER.
No. 48.

REQUESTING approval and sanction to the
proposed increase to the pay of P. Venkata-
subbiah, Amicut Superintendent at Bezvada.

1309
17/16
22ND MARCH 1884, No. 770 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following papers :—

From the Superintending Engineer, II Circle, dated 23rd February 1884,
No. 452 G.L.

Statement of temporary establishment required for general purposes of the department in the five divisions of the II Circle during the official year 1884-85.

Order stationing present establishment. Government of Madras, Public Works Department.		Date.		Number.	Office to which the proposition refers.	Present Scale.					Proposed Scale.					Provisions.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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22ND MARCH 1884, No. 770 W., PUBLIC WORKS.										3	
2034 W. 25th July	Nellore..	3	18	80	30	12	30	12	6	101	1,212
902 W. 20th Mar.	Sangam Project.	5	..	..	..	..	..	..	..	..	..
		1	20	200	40	15	100	36	60	130	28
		1	20	200	40	15	100	36	60	130	28
		1	20	200	40	15	100	36	60	130	28
		1	20	200	40	15	100	36	60	130	28
		1	20	200	40	15	100	36	60	130	28
		1	20	200	40	15	100	36	60	130	28
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		1	20	200	40	15	100	36	60	130	28
		1	20	200	40	15	100	36	60	130	28
		1	20	200	40	15	100	36	60	130	28
		1	20	200	40	15	100	36	60	130	28
		1	20	200	40	15	100	36	60	130	28
		1	20	200	40	15	100	36	60	130	28
		1	20	200	40	15	100	36	60	130	28
		1	20	200	40	15	100	36	60	130	28
		1	20	200	40	15	100	36	60	130	28
		1	20	200	40	15	100	36	60	130	28
		1	20	200	40	15	100	36	60	130	28
		1	20	200	40	15	100	36	60	130	28

1309
1817

22ND MARCH 1884, No. 770 W., PUBLIC WORKS.

Office note from the Examiner, Public Works Accounts, dated 19th March 1884.
No. 1277.

ORDER—dated 22nd March 1884, No. 770 W., Public Works.

Sanction is accorded to the temporary establishment proposed for the II Circle during 1884-85. The statement has been recast in the Secretariat, and shows a decrease of Rs. 1,911 on the existing sanction.

2. An appropriation of funds will be made early in next official year.
3. This sanction has been registered as provincial No. 84 W. of 1883-84 and classified as Establishment, Temporary.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, II Circle.
" Examiner, Public Works Accounts.

Exd. A. Aubert.
Spare Copies

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Govt. of (1884) Madras.
PUBLIC WORKS.

Encl.

MARCH.

Note.—This is to provide for the increase of pay to the lock superintendent at Cowtaram, in the Guduvāda division, from Rs. 10 to 12 per mensem.

GUDIVADA,
7th May 1884.

(Signed) J. W. RUNDALL,
Superintending Engineer, II Circle.

$$\frac{1309}{20} 19$$

1309
20

30TH MAY 1884, No. 1354 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following papers :—

From the Superintending Engineer, II Circle, dated 19th April 1884, No. 156 K.S.
From the Chief Engineer for Irrigation, dated 28th April 1884, No. 40 E.W.
From the Superintending Engineer, II Circle, dated 7th May 1884, No. 355 K.S.
Endorsement from the Chief Engineer for Irrigation, dated 13th May 1884, No. 47 E.W.
Office note from the Examiner, Public Works Accounts, dated 23rd May 1884, No. 131.

ORDER—dated 30th May 1884, No. 1354 W., Public Works.

The permanent navigation establishment required in the Kistna delta system, as shown in the tabular statement printed with these proceedings, is sanctioned. It shows a net monthly increase of Rs. 2.

2. This sanction has been registered as Provincial No. 19 W. of 1884-85, and classified as Establishment, Permanent.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

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

Exd. E. Fernandez.
Spare Copies

GENERAL
ESTABLISHMENT.

Govt. of (1884) Madras.

PUBLIC WORKS.

Dated May, 30th.

Recd.

Encl.

G.O., 30th May 1884, No. 1354 W.

MAY.

Establishment

Proposed changes in the permanent navigation — required in the Kistna delta system, sanctioned.

P. 309 K.

Superintending Engineer's office, *Madras*
Masulipatam, 30th April 1884.

From

^{1309/21}
The Superintending Engineer
2nd Circle.

To

The Chief Engineer
for Irrigation
Madras.

Sir,

262-409/21-1884
I have the honor to forward herewith
for your approval and sanction of Government,
a statement of proposition for revising the
Temporary Water Regulation Establishment
required in the Kistna Delta in the 2nd
Circle for 6 months during the official
year 1884: 85.

2. The Establishment required during
the current year, is less than that sanc-
tioned for the last year by Rs 312. It
is proposed to substitute permanent
Lascars in lieu of the Establishment
sanctioned for 6 months of each year.
Now that the weirs have been filled
with screw gearing, permanent men

are wanted to keep the screws clean &c, but a less number can do the work.

Kallamada Calingula - 3 Lascars at Rs 6 = 18

Parchurvagu Surplus Shice - 1 Superintendent Officer - 10
2 Lascars @ Rs 6 = 12

Vellatur Surplus Shice - 1 Lascar @ Rs 6 = 6

Kollur Surplus Shice - 1 Lascar @ Rs 6 = 6

Total per mensem 52

Total for 6 months 312

3. As regards the Kollur Lock, the necessary permanent Establishment has already been sanctioned for this. Permanent Lascars for Vellatur will be applied for as soon as the Lock is completed.

4. Sanction for this Establishment was not applied for with the other temporary Establishment sanctioned in G.O. No 770 W. of the 22nd. March 1884, under the impression that the sanction accorded for it in G.O. No 1007 W. of the 2nd. April 1883, will hold good until any further changes are required. This, however, not being the case, and some alterations also being needed, the enclosed

Statement is now submitted for sanction.

5. The necessary appropriation of funds will be applied for shortly in the Statement of requirements for Incomplete Major Works, Minor Works, Establishment, and Tools and Plant.

6. A statement of proposals for revising the permanent Water Regulation Establishment is also herewith sent for your approval and sanction of Government, and for an allotment of funds to provide for 4 permanent Lascars at 2 for each for Kallamada Calingula and Parchurvagu Surplus Shice.

I have the honor to be,
Sir,

Your most obedient servant,

J. W. Prinsall
Superintending Engineer,
2nd Circle.



From

The Superintending Engineer
2^d Circle

To

The Chief Engineer
For Irrigation,
Madras

Dated 30th April 1884

Recd 3^d May 1884 *W 438/84*

Recd

Enclos 2

No 309 K.S.

Temporary Water Regulation
Establishment in the Krishna Delta
Statement of proposition for revising
the — during 1884-85. and a
similar Statement for the Perma-
nent Establishment — Forwards
for approval & sanction of Govt. —

Statement of proposition for revision of the Permanent Water Regulation Establishment agreement for the Krishna Delta system in the 2nd circle.

1309

23
600
600

Order above term
the Grand old
Edmund. Given
most of Madras
in the West of England

No and Date

Office to which the proposition refers

Nature of Change

Thompson scale

Proposition.

Temporary

Michigan Deanna
top row left hand

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Rev. Mr. D. D.
Dear Sir,

1007 W. of 2nd. April 1883
and
Enatum, G. O.
1516 W. of 30^E. May 1883

Kistna Delta System

No	Designation	1890				Increase per month	Decrease per month	Period	Amount	Period	Amount
		Minimum	Increment	Maximum	Average for Period						
1	Armed Superintendent	1120	1	120	1	120					
1	Assistant	40	1	40	1	40					
1	Stock, 1 st class, 1 st grade	15	1	20	17½	1	17½				
1	2 nd grade	10	1	15	12½	1	12½				
3	Delta Superintendent	at \$10.70 each		210							
5	Delta Superintendent	at \$10.55 each		275							
6	Delta Superintendent	at \$10.40 each		260							
18	Lacrosse at \$10.8 each			194							
18	2 nd grade	126	18	126	18	126					
27	2 nd grade	135	27	135	27	135					
1	Obigation Clerk, 1 st grade	15	1	20	17½	1	17½				
108	total per annum			1892	112	1892	112				
	total per annum			1792		1892	188				



Enclosure to No 309 of 2/30-4-04

Per Secy
2/30/04

A Statement of proposition
for provision of the permanent
Water Regulation Establish-
ments required in the Krishna
Delta System in the
Province.

1305
24

30th May 1904

Superintending Engineer, H. C. S.

Statement of proposition for revision of temporary water regulation establishment required in the
 Astoria Delta system in the District for 6 months during the Official year 1892-93.

Order of the
 Board of Directors
 of the
 Astoria Delta
 System

Office to which the
 proposition refers

Present state

Nature of Change

Proposed state

309

Proposition
 Temporary
 Increase
 Decrease
 Period
 Amount
 Period
 Amount

Amount
 by Local
 Government

Interpreting business in cents

No	Date	Designation	Minimum	Maximum	Average	Period	Amount	Period	Amount
1007	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1008	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1009	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1010	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1011	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1012	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1013	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1014	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1015	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1016	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1017	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1018	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1019	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1020	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1021	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1022	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1023	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1024	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1025	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1026	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1027	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1028	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1029	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1030	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1031	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1032	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1033	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1034	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1035	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1036	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1037	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1038	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1039	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1040	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1041	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1042	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1043	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1044	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1045	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1046	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1047	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1048	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1049	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1050	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1051	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1052	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1053	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1054	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1055	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1056	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1057	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1058	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1059	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1060	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1061	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1062	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1063	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1064	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1065	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1066	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1067	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1068	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1069	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1070	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1071	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1072	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1073	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1074	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1075	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1076	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1077	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1078	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1079	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1080	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1081	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1082	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1083	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1084	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1085	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1086	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1087	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1088	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1089	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1090	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1091	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1092	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1093	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1094	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1095	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1096	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1097	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1098	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1099	1st April 1892	Thompson's Water	1	1	1	1	1	1	1
1100	1st April 1892	Thompson's Water	1	1	1	1	1	1	1

Copy of Engineer's office
 North Pacific
 30th April 1892

W. B. Russell
 Superintendent Engineer
 Portland

May 1, 1892



R97K

Enclosure to No 309 K/d/30-4-84

En 2
PW 4380/84

Statement of proposition
for revision of Temporary
Water Regulation Establish-
ment required in the Krishna
Delta System in the 2nd circle
for 6 months during the
official year 1884-85.

Statement E.
Statement showing appropriations required on account of Temporary
Establishment in the 2nd Circle.

Division	Sl. No.	Particulars	No and date of Sanction	Rate	Amount	Total	Amount appropriated	Remarks
1	2	3	4	5	6	7	8	9
		<u>Water Regulation Establishment.</u>						
		<u>Krishna Delta System.</u>						
Krishna Eastern	1	2 Lascars		6	12			
	1	do		5	5			
		For 6 months			17			
Gudniada	2	1 Lascar		8	8			
	1	do		6	6			
	1	do		5	5			
		For 6 months			19			
Krishna Western	3	1 Superintendent		10	10			
	12	Lascars		6	72			
		For 6 months			82			
		<u>Remuneration System.</u>						
Kellone	4	1 Superintendent		12	12			
	2	do		10	20			
	2	do		8	16			
	10	Lascars		5	50			
		For 7 months			138			
	1	Superintendent		7	7			
	2	Lascars		5	10			
		For 4 months			17			
		Irrigation & Navigation works for which neither Capital nor Revenue accounts are kept.						
	1	Superintendent		7	7			
	8	Lascars		5	40			
		For 4 months			47			
					188			
					1222			
					Total - 1930			

File this Office letter No 309 K/d of the 30th April 1884 to the Chief Engineer for Irrigation.

G. A. No 582 W.

3rd March 1884.

Order 90 on 12th Dec. 1884. Appropriation as per accompanying.

Superintending Engineer's Office,
2nd Circle, Calcutta Comptroller
1304 May 1884

compd KR

J. W. Russell
Superintending Engineer II Circle

1309
20 5/2
Letter from the Superintending Engineer
Second Circle No 309 K.S. d/30th April 1884

249 E.W.

Forwarded to the Chief Engineer
P.W. Department, with a recommendation
that the changes, proposed by the Super-
intending Engineer, Second Circle, in
the Water Regulation Establishment of
the Krishna Delta, may be sanctioned.

Statement E.

Delicamund
19th May 1884
Depd 17/5

In accut. Colonel R.E.
Chief Engineer for Irrigation

To
The Chief Engineer, P.W.D.

770 22.3.84
 1027 2.4.83
 498 20.1.82
 846 9.12.81
 714 9.8.10.81
 713 9.8.10.81
 158 9.3.81
 10 9.6.1.81
 762 9.21.11.80
 187 9.3.78
 36 9.14.78
 1042 15.4.75

P.W. No. 4380

Recd 23.4.84

Enc. 3.

No 1309 of 26 May/84

10/5/85

1309 3974

note.

1309

Letter No 209 of the 20th

April 1884 quoted herein.
 has not been received
 in this Office - I would
 request this paper to be
 sent till receipt of that
 number, from the
 Office of the the P.W. for
 signature -

In reply
 21/5/84

The kind of labour
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 to be sent to the
 letter has been sent
 in S.D. done

Sent 27.5.84
 to the
 by the
 returned 23/5/84

Genl Estab.

PUBLIC WORKS DEPARTMENT.

MADRAS GOVERNMENT.

Under date the 26th May/84

1309

READ the following

(H.L. No 309 K.L. 30 April/84)

(No. 4924 of 19th May/84)

The revised scales
 establishment for
 new population in
 to Krishna Delta,
 proposed by the
 Capt. Engineer II
 are sanctioned.

The Sanctions to
 the permanent scale
 has been registered
 as Provincial No. 16 W
 of 1884-85, and Classified
 as establishment

A. 770 22.3.84
 1007 2.4.83
 49 20.1.82
 846 9.12.81
 714 18.10.81
 713 18.10.81
 2457 8.10.81
 158 1.3.81
 10 16.1.81
 762 24.11.80
 187 9.3.78
 36 14.1.78
 1042 15.4.75

P.L. 53/5

Genl
Estab.

PUBLIC WORKS DEPARTMENT.

No. 15094

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

READ the following

Letter from the
 Suptg. Engineer in Charge

1309

(H.E. No. 309 K. 14/30 April)

and of the Report - (4984) 19th May 1884

The revised scale
 of establishment for
 water regulation in
 the Krishna Delta,
 proposed by the
 Suptg. Engineer in
 Charge, are sanctioned.

The Sanctions to
 the permanent scale
 has been registered
 as Provincial No. 16 W
 of 1884-85, and Classified
 as Establishment

Permanent. That
 for the Simpson any
 scale has been regis-
 tered as Provincial
 No: 17 W. of 1886-85,
 and classified as
 Relictic but not Sim-
 pson any.

11
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S. C. H. C. C. C.
 C. J. J. J.
 H. W. W. W.

R. L.
 K. L.

1309
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4380 m

Govt. of (1884) INDIA.
PUBLIC WORKS.

(30)

27/5/84

Revised

26 May

1309

Letter to the

The revised scales of
permanent & temporary
for water regulation
in the Krishna Delta
proposed by the Superintending
Engineer, Santhosha.

50
4

Copy

Sub-Engineer