21. Read the following letter from Colonel C. H. DICKENS, R.A., Secretary to the Government of India, Public Works Department, (Account—Irrigation), to Colonel G. W. WALKER, R.E., Secretary to the Government of Madras, Public Works Department, (Irrigation Branch,) dated Fort William, 17th March 1875, No. 99 A.—I.:—

I AM directed to acknowledge receipt of your letter, No. 483, dated 18th February 1875, and in reply to forward, herewith, for information and guidance, the orders passed on the Madras Irrigation Budget Estimate for 1875-76.

MADRAS IRRIGATION BUDGET ORDERS, 1875-76.

UNDER Extraordinary, the Madras Irrigation Budget Estimate for 1875-76 has been prepared for a grant of Rupees 8,66,900, from which the following items are disallowed:—

Works for which there are no sanctioned estimates—

	Works. RS.	Establishment. RS.	Plant. RS.	Total. RS.
Extension of Kistna Canal	52,000	21,000	..	73,000
Lengthening Pennair Anicut	50,000	17,800	200	68,000
				1,41,000
Excess provision debited to grant for Loan Funds for Establishment of Chief Engineer				27,412
Provision made under Reserve for Tools and Plant, it being against rule to provide grants from Loan Funds when the precise object is not known...				2,500
Provision made under Extraordinary for the salary of the Deputy Controller and his Office Establishment disallowed, as the provision for the purpose is included in the rate of 25 per cent. allowed for establishment—*vide* Public Works Department letter, No. 56 A.—G., dated 22nd January 1875 ...				14,080
				1,85,892
Less increase to the grant of the Godavery Delta Works from Rs. 4,59,608 to Rupees 4,68,600				8,992
The total amount thus disallowed will be				1,76,900
And bring down the amount of the estimate to				6,90,000

Of this amount, Rupees 1,50,000 will be met by the refund from the Ordinary grant of portion of the outlay incurred from Loan Funds on the Madras Water-supply and the Chembrumbaukum Tank Projects, so that the net grant will be Rupees 5,40,000, being Rupees 40,000 in excess of the allotment provisionally assigned by the Government of India.

2. As regards the reduction of Rupees 27,412 made from the provision for Establishment debitable to Loan Funds, it may be noted that in the Budget the whole salary of the Chief Engineer of Irrigation and his Office Establishment has been charged to the Extraordinary grant, whereas only a proportion of the cost should be so charged. That proportion is about one-sixth, so that a sum of Rupees 27,412 has to be disallowed from the provision under Extraordinary, and this has accordingly been done.

3. Under Ordinary, the Budget Estimate provides for an expenditure during 1875-76 of Rupees 30,80,600, from which the following reductions are made :—

	Rs.
Provision for item 3, Kistamraz Channel disallowed, as there is no reason why the contributions for the work should not be first expended, leaving the grant the Government may be pledged to contribute to be expended in 1876-77	10,000
Provision for items 6 and 17 for ferry boats on the Godavery and Kistna disallowed, pending a report from the Government of Madras on the point raised in paragraph 15 of the Memorandum by the Chief Engineer regarding the liability of Local Funds to bear the charge...	18,000
Provision for item 61 for constructing protective works round the Polaveram Island disallowed, pending receipt of a full report as to the amount of Government revenue that will be secured by the works. Meanwhile, as it appears that one-third of the cost of all necessary works will be borne by the proprietors of the land protected, the amount that will be contributed by them will be available for expenditure during 1875-76, so that, if it is finally decided that the contribution by Government is one that should be debited to the Ordinary grant for Agricultural Works, the amount necessary can be provided in 1876-77	30,000
Provision for item 65 investigation and construction of village drainage works disallowed, pending information of the grounds on which it is considered that the funds for the purpose should be provided for from the Ordinary grant for Agricultural Works, and if really so debitable, what the total cost will amount to	30,000
Provision for Minor Works of Irrigation reduced from Rupees 2,51,000 to Rupees 1,93,000, the grant of 1874-75 having been only Rupees 1,51,000.	58,000
Provision for Repairs reduced from Rupees 15,00,000 to Rupees 14,66,800 in order to admit of the additional charge for Establishment at the rate of 25 per cent. on the increased grant allowed for repairs being provided for from that grant, and not in addition to it	33,200
	1,79,200
Establishment on above at the rate of 25 per cent.	44,800
Total disallowed ...	2,24,000

This reduction will bring down the amount of the estimate for Ordinary expenditure on Irrigation Works to Rupees 28,56,600, being Rupees 3,72,600 in excess of the allotment originally assigned by the Government of India. The Government of India are obliged to ask the Government of Madras to provide for the lengthening of the Pennair Anicut disallowed from the estimate for Extraordinary by re-appropriation within the above aggregate limit.

4. The provision for the Madras Water-supply and the Chembrumbaukum Tank Projects is passed, but until the revised estimates for these two projects, which have been called for, come to hand, and are sanctioned, the Governor-General in Council regrets to be under the necessity of desiring that no expenditure shall be incurred on the works during 1875-76.

Calls made for revised estimate of Madras Water-supply Project.

Public Works Department letter, No. 854 I., of 9th December 1873.
Paragraph 15 of Orders on Madras Irrigation Budget Estimate for 1874-75.
Paragraph 26 of Public Works Department Resolution, Nos. 373—9A.—I., dated 21st December 1874.

Calls made for revised estimate of Chembrumbaukum Tank Project.

Public Works Department letter, No. 256 A.—I., dated 24th October 1873.
Paragraph 16 of Orders on the Budget Estimate for 1874-75.

5. For the balance (Rupees 27,412) of the provision for the Chief Engineer of Irrigation and his establishment disallowed from the Extraordinary grant, the necessary funds should

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be provided from the grant already allowed for Establishment. On this point a separate communication will be addressed to the Government of Madras.

6. The grant allowed for Extraordinary Works for 1875-76 is distributed as follows :—

	Works.	Establishment.	Plant.	Total.
	Rs.	Rs.	Rs.	Rs.
Extension of Eastern and Western Deltas of Godavery Irrigation Works	3,35,292	84,408	48,900	4,68,600
Do. do. of Kistna do.	83,900	20,975	18,000	1,22,875
Pennair Anicut	18,500	4,625	...	23,125
Palandorai Project	20,000	5,000	400	25,400
Streevigunttum Anicut Project	40,000	10,000	...	50,000
	4,97,692	1,25,008	67,300	6,90,000
Less met by refund from Ordinary grant of portion of the outlay incurred from Loan Funds on the Madras Water-supply Project and Chembrumbaukum Tank Project.				1,50,000
Net grant under Extraordinary ...				5,40,000

7. Under Ordinary the grant of Rupees 28,56,600 is distributed as follows :—

	Works.	Repairs.	Establishment.	Plant.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.
Capital.					
Madras Water-supply and Chembrumbaukum Tank Projects.	58,000				
Restoring Palar Anicut	75,000				
Do. Poiney do.	45,000				
Lengthening Poonair	15,000				
Other Works	73,700				
Minor do.	1,85,000				
State outlay on Guaranteed Irrigation Works ...	11,000				
	4,65,700	...	1,42,600	30,000	6,38,300
	...	13,66,300	4,24,000	66,000	18,56,300
Revenus	58,900	1,00,500	52,000	...	2,11,400
Ordinary Agricultural Works for which no Capital or Revenue Account is kept	5,24,600	14,66,800	6,19,200	96,000	27,06,600
Add refund to be made to Loan from Ordinary grant for portion of outlay incurred from former grant on Madras Water-supply and Chembrumbaukum Tank Project ...	...	...	...	...	1,50,000
GRAND TOTAL ...	...	...	...	...	28,56,600

8. The total grant for 1875-76, Ordinary and Extraordinary, will be as follows :—

	Works.	Repairs.	Establishment.	Tools and Plant.	Total.	Refunds.	Grand Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Extraordinary	4,97,692	...	1,25,008	67,300	6,90,000	—1,50,000	5,40,000
Ordinary	5,24,600	14,66,800	6,19,200	96,000	27,06,600	1,50,000	28,56,600
Total ...	10,22,292	14,66,800	7,44,208	1,63,300	33,96,600	...	33,96,600

9. The sum provided for expenditure in England is Rupees 26,500 under the head Ordinary, so that the distribution of the grant between England and India will be as follows :—

—	In India.	In England.	Total.
	RS.	RS.	RS.
Extraordinary	5,40,000	...	5,40,000
Ordinary	28,30,100	26,500	28,56,600
	33,70,100	26,500	33,96,600

EXTRAORDINARY.

10. In the distribution of the grant for Extraordinary works the following points call for notice :—

I.—Outlay on lengthening Pennair Anicut.

From item No. 20 in the Budget it would appear that Rupees 20,000 will have been spent to end of 1874-75 on this work. Information should be furnished of the authority under which this expenditure was incurred, and what the final estimate for the work will amount to. Forming, as the work apparently does, a portion of the Pennair Delta Works, the estimate for lengthening the anicut would appear to require the sanction of the Government of India, the amount involved, Rupees 80,000, being more than the limit of 5 per cent., which the Government of Madras can sanction over estimates from Loan Fund works passed by the Government of India. As already stated in the conclusion of paragraph 3, the Government of India will not object to the outlay under Ordinary if urgently necessary,

II.—Revised Estimate for Streeviguntum Anicut Project.

The grant for this work is passed, subject to such orders as may be passed on the revised estimate.

III.—Excess Outlay over Estimate for Anicut across Vellaur River on the Palandorai Project.

	RS.
The computed outlay on the work to end of 1874-75 is	2,08,857
The provision for 1875-76	20,000
Total..	2,28,857
The sanctioned estimate being	2,00,535
So that there is likely to be an excess outlay of	28,322

The probable excess is more than 5 per cent. over the estimated cost of Rupees 2,00,535, and the Government of India must, therefore, ask of the Government of Madras to take such steps as will ensure the submission of the revised estimate for the project with the least possible delay. Meanwhile, an immediate report should be submitted of the probable amount of the revised estimate for the work.

IV.—Sanctions accorded by the Government of Madras to additional works and to revised estimates for other works in connection with the Loan Fund Projects in the Godavery and Kistna Deltas.

With reference to these sanctions as noted in the column of remarks in the Budget Estimate, the Government of India deem it necessary to remind the Government of Madras that particular care should be taken to see that the aggregate of the sanctions for new works and the aggregate of the excess over original estimates that may be passed by the Local Government is not more than 5 per cent. of the total estimate sanctioned by the Government of India.

V.—Provision of Rupees 10,000 *under Establishment, Extraordinary, for Survey.*

A list of the projects on which the establishment is employed should be furnished. Meanwhile, until specifically sanctioned as Extraordinary, the outlay should be debited to the Ordinary grant.

ORDINARY.

11. The following abstract shows the distribution of the amount passed for 1875-76, compared with the original grant of 1874-75 and the outlay of preceding years :—

—	Estimate, 1875-76, as submitted by Government of Madras.	Estimate, 1875-76, as passed by Government of India.	Original Grant, 1874-75.	Actuals, 1873-74.	Actuals, 1872-73.
	RS.	RS.	RS.	RS.	RS.
Works	6,59,600	5,13,600	2,13,950	3,12,890	2,81,660
Repairs	15,00,000	14,66,800	13,67,050	14,00,190	12,61,300
State outlay on Guaranteed Irrigation Works.	11,000	11,000	14,000	7,150	9,640
	21,70,600	19,91,400	15,95,000	17,20,230	15,52,600
Establishment	6,64,000	6,19,200	5,00,000	5,31,190	4,56,160
Tools and Plant	96,000	96,000	55,000	37,540	37,520
Suspense	.....	.....	....	41,380	—8,060
Receipts on Capital Account...	.....	.....	.....	.....	.....
Total ...	29,30,600	27,06,600	21,50,000	23,30,340	20,38,220
	1,50,000	1,50,000	1,00,000	.....	5,70,000
Refunds to Loan grant	.....	.....	.....	.....	1,60,000
Tools and Plant transferred from Godavery Navigation Works					
Grand Total ...	30,80,600	28,56,600	23,50,000	23,30,340	27,68,220

12. And the following table is given to show the distribution of the grant for 1875-76 as contemplated by the Government of India in the original distribution of the grant and that actually now made :—

—	As contemplated by Government of India.	As now provided in Budget.	As now passed.
	RS.	RS.	RS.
Major Works	1,27,000	4,08,600	3,20,600
State outlay on Guaranteed Irrigation Works ...	.....	11,000	11,000
Minor Works	1,51,000	2,51,000	1,93,000
Repairs...	15,00,000	15,00,000	14,66,800
Establishment	5,00,000	6,64,000	6,19,200
Plant	56,000	96,000	96,000
	23,34,000	29,30,600	27,06,600
Refunds to Loan grant	1,50,000	1,50,000	1,50,000
	24,84,000	30,80,600	28,56,600

13. Under Major Works the provision of Rupees 3,20,600 as now passed includes two special items which were not known when the grant was distributed. These two special items are—

	RS.
Item 32. Restoring Palar Anicut	75,000
„ 33. „ Poiney „	45,000
	1,20,000
Establishment for do. at 25 per cent....	30,000
Total ...	1,50,000

Damaged by the late floods, their restoration has been commenced upon with an additional grant recently sanctioned by the Government of India. The Chief Engineer says (paragraph 9)

these works "are now being pushed forward, and they at least cannot be stopped unless at an immediate sacrifice of much more than the total sum of probably 2½ lakhs of Rupees to be expended on them." The estimates for the works have still to be submitted. The grants provided are passed, but the Government of India would like to know at once what the probable cost of the works will be.

14. Of the remainder of the grant the provision for works represented by a sum of Rupees 60,400 have a special significance attached to them by reason of the explanation given as to their necessity. The works are as follows :—

	Rs.
21. Additional escape for Nellore Tank	5,000

Chief Engineer, in paragraph 11, says that the necessity for discharging a large part of the surplus direct into the river instead "of into the town and delta has been so forcibly demonstrated by the flood of October last," that he would not be justified in postponing the work without special and positive orders.

41. Surplus sluice on the north bank of the Coleroon, Trichinopoly.	10,000

Paragraph 12 of the Chief Engineer's Note points out that the embankment closed the natural drainage out-fall, and the not unnatural result has been the destruction of crops and the breaching of the flood bank. The work is said to be one which cannot rightly be postponed.

45. Head sluices to the Pullapolliem Channel	7,300

A work said to be necessary to exclude floods, and required in supersession of an inefficient sluice which has not answered its purpose, and which in the last flood was submerged and useless.

53—58. Head sluices to river channels in Coimbatore District ...	12,000

Required to ensure the safety of the Railway. The Chief Engineer says (paragraph 13) "it is of course quite true that such works ought to be foreseen, and that arrangements connected with them should be made in good time, but the omissions and errors of the past would not justify the postponement of a remedy, especially after the recent injuries to the Madras Railway in all directions."

53—58. Head sluices to the Tambrapurney River Channels ...	26,100

The Chief Engineer says (paragraph 14) that two of these sluices are under construction, for two more estimates have been sanctioned, and the provision for the other two is made to "prevent, if possible, another repetition of the damage caused by the floods of 1869 and 1874. It is added that the injuries sustained in either year by Government works alone have far exceeded the total estimated cost of the sluices."

Total ...	60,400

15. Thus, on the whole, out of a provision of Rupees 3,20,600 for Major Works, Rupees 1,80,400 are for works required to prevent damages by flood. Adding 25 per cent. for establishment, the total sum required on this account is Rupees 2¼ lakhs.

16. For Minor Works the grant contemplated by the Government of India was ... ... Rs. 1,51,000
But the Budget amounts to 2,51,000
The grant for 1874-75 was... 1,03,950
* Capital Outlay ... ... 1,88,000 / 5,000 And the provision now* passed is 1,93,000

As regards the increase of one lakh in the provision for Minor Works in the Budget for 1875-76, as compared with the amount contemplated by the Government of India, the remarks made by the Chief Engineer in paragraph 19 of his Memorandum have received consideration.

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1st *May* 1875.

The views of the Madras Government therein referred to as showing the necessity for much larger grants have not come to hand as yet. Attaching weight to the Chief Engineer's opinion on the subject, the provision is passed for Rupees 1,93,000.

17. For repairs the Government of India contemplated a Budget provision of ... ... Rs. 15,00,000
And this is what has been provided for, the original grant of 1874-75 having been 13,67,050
But the probable outlay during the year will be 15,00,000
The actuals of 1873-74 14,00,190
of 1872-73 12,61,300
of 1871-72 11,22,500
of 1870-71 11,44,830

The necessity for providing a grant of 15 lakhs has been admitted by the Government of India, but it is necessary that the charge for Establishment at the rate of 25 per cent. due to the increased grant should be borne by that grant, and not in addition, and this has accordingly been ordered.

18. Under Establishment the provision contemplated by the Government of India was ... ... Rs. 5,00,000
The actual provision as now passed is 6,19,200
Excess ... 1,19,200

Of this excess, the following is due to special causes :—

	Rs.
I.—Excess caused by the provision for execution of certain special works	45,100
II.—Excess caused by the provision for an increase to the Minor Works grant	10,500
III.—Excess caused by the provision for Repairs having been increased from Rupees 13,67,050 to Rupees 15,00,000 ...	33,200
Total ...	88,800

A separate communication will be addressed to the Government of Madras regarding the provision for establishment. Meanwhile, the provision may stand.

19. For Tools and Plant the provision is Rupees 96,000 against a contemplated provision of Rupees 56,000. The increase, it is stated, is for the repairs to the Godavery floating plant, the condition of which is understood to be unsatisfactory, owing to little or nothing having been spent on repairs in past years. The provision is passed.

ESTIMATE OF REVENUE.

20. The amount of the estimate for next year is shown in the following table :—

	Budget Estimate, 1875-76.	Regular Estimate, 1874-75.	Budget Estimate, 1874-75.	Actuals, 1873-74.	Actuals, 1872-73.
	Rs.	Rs.	Rs.	Rs.	Rs.
Godavery Delta Works	49,800	61,500	55,600	55,600	35,740
Kistna do.	12,400	13,650	13,364	11,330	12,990
Madras Water-supply	10,000	.....	10,000	.....	.....
Other Works	4,350	850	1,800	2,734	9,160
	76,550	76,000	80,764	69,664	57,890

21. It is not explained why the estimated receipts from the Godavery and Kistna Works should be only Rupees 62,200, when the Regular Estimate for 1874-75 amounts to Rupees 75,150. And in the case of the Madras Water-supply Project it is not explained why no receipts are expected during 1874-75, and why during 1875-76 the probable receipts should amount only to the insignificant sum of Rupees 10,000.

22. The Madras Government were called upon so far back as October 1873 to submit a detailed report of the measures taken to provide that the Municipality should pay for the full value of the water got from the project, but to this time no reply has been received.

The Government of India hope to receive a reply at an early date.

GENERAL REMARKS.

23. In the preparation of the estimate, the following points have to be noticed:—

I.—The estimate under "Revenue" in Part II. shows the total charge in one line only. The form requires that the charges should be shown by projects. It is thought that there will be no difficulty in doing this for a few of the main projects, such as the Godavery Delta Works, the Kistna Delta Works, the Pennair Works, and so on. It is necessary to make a commencement, and the Government of Madras is, therefore, asked to furnish a revised abstract, Part II., giving this information. If it were asked what were the Revenue charges of the Godavery Delta Works, an answer could not be given. It is necessary that the Budget should be prepared properly, so as to admit of the accounts being recorded accurately.

II.—The total column in Part II. has not been filled in for each project.

III.—Establishment charges have not been apportioned off to the several projects under Capital Ordinary. It is necessary to do this.

IV.—The Appendix of the Budget showing the Capital, Revenue, and Interest Account have not been furnished. Large sums of money have been spent from Loan Funds on Irrigation Works in Madras. And some indication should be afforded of the returns derived. It is known that the Government of Madras have the subject under consideration, and it is hoped that some settlement of the question will be arrived at during the current year.

(Signed) C. H. DICKENS, Colonel, R.A.,
Secretary to the Government of India.

FORT WILLIAM,
17*th March* 1875.

No. 22. ORDER THEREON, 1st May 1875, No. 1,227.

IRRIGATION, No. 2.
Account.

THE foregoing orders of the Government of India on the Irrigation Budget Estimates of 1875-76 will be communicated to the Chief Engineer for Irrigation, the Controller of Public Works Accounts, and the District Officers concerned, for information and guidance.

2. The items disallowed under Extraordinary are in the—

		RS.
Kistna, Part III., No. 14	...	5,000
Do. „ 15	...	10,000
Do. „ 16	...	37,000
Total ...		52,000

In connection with this disallowance further orders will be passed upon the letter from Government of India, No. 106 I, dated 24th March 1875, as per margin in reply to the application for the sanction of certain completion estimates of the Western Delta.

	RS.
Nellore, Part III., No. 20	50,000

The Government of India require the expenditure on this item, the Pennair Anicut Extension, to be met from the assignment of funds under Ordinary. It is observed (paragraph 7) that the assignment for works amounts to Rupees 5,24,000, of which the following items are not available for transfer:—

	RS.	
Restoring Palar Anicut	75,000	Item 32, Part III.
Do. Poiney do.	45,000	„ 33 „
Lengthening Pooniar Anicut	15,000	„ 38 „
Minor	1,88,000	
Head sluices to river channels, Coimbatore ...	25,300	„ 45 to 49 „
State outlay on Guaranteed Irrigation Works ...	11,000	
Head sluices to river channels, Tinnevelly	26,100	„ 53 to 58 „
Godavery.—Concrete experiments	1,000	„ 60 „
Do. River embankments	27,900	„ 62 to 64 „
Nellore.—Do.	25,000	„ 67 „
	4,39,300	

The 50,000 Rupees required have, therefore, to be found from the 85,300 remaining for other works. As the Government of India have, in paragraph 4 of their orders, desired that no expenditure on the Madras Water Works Project and on the Chembrumbaukum tank shall be incurred until the revised estimates for these projects have been sanctioned, these instructions will be carefully attended to; but the Superintending Engineer, Chingleput, will report whether any, and if so what, work cannot be prudently postponed, stating at the same time the sums which must in that case be kept available. He will also lose no time in revising the work estimates to such extent as present circumstances may render necessary. In the meantime, Rupees 15,000 from the Madras Water Works Project, Item 28, and Rupees 20,000 from the Chembrumbaukum Tank Project, Item 29, will be deemed available for the Pennair Anicut extension, and the District Engineer, Nellore, will apply for an additional allotment so soon as this may be required.

3. With regard to the reductions made under Ordinary (paragraph 3), it will be considered in the Revenue Department whether the contributions from proprietors for the improvement of the Kistamraz channel can be made immediately available; 2*ndly*, the subject of the provision of ferry boats will be reconsidered after a report has been received of the amount available from Surplus Ferry Funds for expenditure on canal ferries; 3*rdly*, His Excellency the Governor in Council cannot admit the fairness of requiring the contributions to the Polaveram island embankments to be expended without a proportionate provision of Imperial Funds being made available. It may be noticed that the subject of the incidence of the cost of the embankments has been fully discussed, and a decision arrived at after due consideration of the circumstances. Copies* of the papers, which must already be in the possession of the Government of India, will therefore

G. O., No. 2,264, dated 15th August 1874, and G. O., No. 2,892, dated 9th October 1874.

* G. O., No. 477, dated 25th February 1874.
„ „ 1,480 „ 5th June „
„ „ 95, Mis., „ 12th September „
and R. D., No. 1,066 „ 24th August „
Do. „ 1,379 „ 30th October „
P. W., No. 91, Mis., „ 9th December „

be transmitted with a request that the allotment* required for the current year may be made available. The Board of Revenue will be requested to report the amount of Government revenue which will be secured by the embankment works as asked for by the Government of India. In the meantime as this work does not admit of delay, the District Engineer will be authorized to proceed with the construction of the embankments, first from contribution money which may be available, and on its exhaustion from Imperial Funds; 4*thly*, the Government of India will be addressed on the subject of the investigation and construction of village drainage works in the Godavery Delta. Pending the final disposal of the question the investigations and preparation of estimates will be continued, as it is observed that the information as to total cost required by the Government of India cannot in any case be ready for some time to come, or at all unless the investigations be continued; 5*thly*, the grant for Minor New Works has been reduced from Rupees 2,51,000 to Rupees 1,93,000. The Government of India mention (paragraph 16) that the letter addressed to them regarding the provision of Agricultural Funds under Ordinary had not been received, and a reply thereto will be awaited. District Engineers will, for the present, consider their grants to be reduced to four-fifths of the sums entered in the Budget Estimates, Part III., for Minor New Works, other than under Miscellaneous; they will be able to push forward these important works as fast as was intended for the first three quarters of the official year, and the reduction of the grant need not at present make any difference; 6*thly*, the reduced provision of Rupees 14,66,800 for Repairs is placed at the disposal of the Chief Engineer for Irrigation. Should the balance of the 15 lakhs entered in the Budget statements be hereafter found to be indispensably necessary, application will be made to the Government of India in due course.

* Rupees 30,000.

No. 475, dated 17th February 1875.

4. The communication referred to in paragraph 5 of the Budget orders will be awaited.

5. Paragraph 10.—I. of the orders will be separately disposed of in replying to the letter No. 108 A.—I., dated 22nd March 1875, from the Government of India on the subject of the Pennair Anicut.

Paragraph 10.—II.—The revised estimate for the Streeviguntum Anicut Project should be resubmitted with as little delay as possible with reference to G. O., No. 3,231, dated 16th November 1874.

Paragraph 10.—III.—It is understood that the revised estimate for the Palandorai Anicut Project has just been received by the Chief Engineer for Irrigation from the District Engineer, South Arcot, and its submission should be expedited.

Paragraph 10.—IV.—It is believed that the sanctions of the kind referred to given hitherto have been extremely small, but the Chief Engineer for Irrigation will prepare and submit a list of them.

Paragraph 10.—V.—The instructions are in accordance with the practice. No sanctions will be given for Survey Establishments under Extraordinary except for works the execution of which from Loan Funds has been sanctioned or recognized to be probable. A complete list of sanctions for 1874-75 has just been prepared in connection with the reference as per margin from the Government of India, and a similar list for 1875-76 will be transmitted in due course. As yet only for two projects, the Godavery and the Kistna Deltas, have estimates for Survey Establishments for 1875-76 been received.

No. 56 A.—G., dated 22nd January 1875, G. O., No. 595, dated 2nd March 1875.

6. The information required by the Government of India in paragraph 13 regarding the cost of the restoration of the Palar and Poiney Anicuts will be reported on the receipt of the estimates, which it is observed ought ere this to have been submitted by the District Engineer.

7. The Controller of Public Works Accounts will furnish the explanation required in connection with the estimated receipts from the Godavery and Kistna Works (paragraph 21), and with regard to the receipts from the Madras Municipality a special report will be made when papers on the subject, now under consideration, shall have been disposed of.

8. The revised abstract, Part. II., asked for in paragraph 23, I., II., III., will be prepared and transmitted at once, and it is considered that this may best be done in the Controller's Office.

Paragraph 23.— IV.—The preparation of the Appendix referred to is dependent, it is believed, on the Capital and Revenue Accounts which are engaging the Controller's attention, but are still far from complete. This officer will report how far this Appendix can be prepared at present.

(True Extract.)

(Signed) G. W. WALKER, Colonel, R.E.,
Secretary to Government.

To the Chief Engineer for Irrigation.
" Controller of Public Works Accounts.
" District Engineer, Ganjam.
" " Vizagapatam.
" " Godavery.
" " Kistna.
" " Nellore.
" " Cuddapah.
" " Kurnool.
" " Bellary.
" " Presidency.
" " Chingleput.
" " North Arcot.
" " South Arcot.
" " Salem.
" " Tanjore.
" " Trichinopoly.
" " Coimbatore.
" " Malabar.
" " Madura.
" " Tinnevelly.
" Financial Department.
" Revenue "
" Board of Revenue.
" Accountant-General.

Exd. A. Grubert.
Spare Copies

PUBLIC WORKS DEPARTMENT,
FORT ST. GEORGE, 1*st May* 1875.

No. 23.

No. 1,228.

FROM

COLONEL G. W. WALKER, R.E.,
Secretary to the Government of Madras,

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,
Public Works Department.

IRRIGATION, No. 3.
Account.

SIR,—With reference to the Madras Irrigation Budget Orders, 1875-76, transmitted with your letter, No. 99 A.—I., of the 17th ultimo, I am directed to forward, for the information of the Government of India, a copy of the Orders issued by this Government, and to submit the following explanations on some of the points referred to:—

PARAGRAPH 3. *Polaveram Island Embankments, Item* 61, *Part III.*—Full explanation regarding the circumstances which have led to the sanction of these embankments will be found in the papers as per margin, a copy of which is enclosed. I am to state that, in the opinion of His Excellency the Governor in Council, it would be unfair to spend the Proprietary Estate's contribution of one-third of the total cost, and then to let the embankments be at a stand-still until some future time when the Imperial Fund subscription of two-thirds might be forthcoming, and I am to request, therefore, that the allotment entered in the Budget Estimates may be made available. I am to add that the good faith of this Government would be compromised by the omission to go on with the work after the obligation to aid largely in the construction of the embankments has been admitted. It is believed that the embankments have been properly classified under Agricultural, Miscellaneous, but that is a very minor consideration. The orders under which agricultural expenditure is classified are contained in the Proceedings marginally noted, and a copy of them is enclosed.

G. O., No. 477, dated 25th Feb. 1874.
" " 1,480, " 5th June " /
" " 95, Mis., 12th Sept. "
R. D. " 1,066, " 24th Aug. "
Do. " 1,379, " 30th Oct. "
P. W. " 91, Mis., 9th Dec. "

No. 2,003, dated 24th July 1874.

Village Drainage, Item No. 65.

I am to transmit a copy of the papers* relating to this subject, and to state that it is not practicable to give an estimate at present as to the probable ultimate outlay on this account. On the estimates for the drainage of one group of villages orders† have been passed, and it will be seen that, 1*st*, the average cost is Rupees 514; 2*ndly*, that in most cases in this group the need of drainage is not the result of irrigation,

* Public Works Order, No. 1,267, dated 10th December 1873.
G. O., 15th April 1874, No. 980.
" 25th Feb. 1875, " 548.

† No. 548, dated 25th February 1875.

but is due to the fact that the villages are in the Delta, which circumstance makes them naturally ill drained.

For another group of villages the estimates amount to Rs. 5,390, or Rs. 415 per village, and these estimates will shortly be reviewed. The circumstances of no two groups are precisely similar, and until the requirements of each group have been ascertained, the probable total outlay cannot be stated. As to the grounds on which the cost of such drainage is considered to be properly chargeable to Agricultural Funds, Ordinary, I am to remark that the community to be benefited is agricultural, that it is desirable to keep the population in the Delta, and to keep it in health so far as this may be practicable by attention to the physical features of the country and the removal of recognized causes of disease due thereto. The point has, however, been discussed in the papers forwarded, and should the Government of India think that this work should not be classed as Agricultural, I am to request that some other classification may be laid down, and a grant made accordingly.

I have the honor to be,

Sir,

Your most obedient servant,

0 18 Feby / 76 No 464-489 /
25 Do / " - 626-627 /
9 Oct / 74 - 251-252 /
15 Aug / " - 319-321 /
2 Mar / 75 - 62-63 /
16 Nov / 74 - 250-251 /
9 Dec / " - 91 /
12 Sept / " - 95 /
17 Feby / 75 - ~~475~~ 440 ~~446~~ 421
12 Dec / 73 - 210-211 /
~~16 July / 74 - 484-489~~
24 July / 74 - 536-537 /
20 May / " - 405-406 /
25 Mar / 75 - 6485-6486 /
5 June / 74 - 88-89 /
26 Feby / " - 603-604 /
21 May / " - 442-443 /
8 June / " - 128-129 /
27 Nov / 73 - 620-622 /
16 Sept / 74 - ~~156-158~~ /
24 July / " - 646-647 /

~~1875 No 580~~
~~No 2078~~

(2)

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.

ACCOUNT.

Irrigation.

To The Secretary to Government of Madras P.W.D. Irrgn. Branch

No. 99 A. dated March 7th, 1875.

Received 29th do do.

Forwards orders on the Madras Irrigation Budget-Estimate for 1875-76.

P. W. D. Press—20-2-75—78.

G. No. 229 1-5-75.

21

17

Public Works Department.

PROCEEDINGS of the MADRAS GOVERNMENT.

Under date the 12th May 1875

READ the following:—

From, The Secy. to Govt. of India, P.W.D. No. 1227 of 4th May 1875.

(No. 992 dated 17th March 1875.)

The foregoing orders of the Government of India on the Irrigation Budget estimates of 1875-76 will be communicated to the Chief Engineer for Irrigation, the Controller of Public Works Accounts, and the District officers concerned, for information and guidance.

2.— The items disallowed under Extraordinary are

are in the

Kistna Part III No 14 - Rs 5,000
" 15 - " 10,000
" 16 - - 37,000
Total " 52,000

in connection with this
disallowance further
orders will be passed
upon the letter on the
margin in reply to the
application for the sanc-
tion of certain comple-
tion estimates of the
Western Delta -

Nellore Part III No 20 - Rs 50,000

The Government of India
require the expenditure
on this item the Pennair
Anicut extension &c
met from the assignment
of funds under Ordinary -

4

× From Govt. of India
No 1061 dated 24 March
1875 -

It is observed (hereby)
that the assignment for
works amounts to Rs
5,24,600 of which the
following items are not
available for transfer

Restoring Palar Anicut	Rs 45,000	Item 32	Part III
Posing do	" 45,000	" 33	"
Lengthening Pennar do	" 15,000	" 38	"
Minor	" 138,000		
Head Sluices to River Channels - Coimbatore	" 25,300	" 45 to 49	"
State Dadlay on Guaranteed Irrigation Works	" 11,000		
Head sluices to River Channels - Tinnevelly	" 26,100	" 53 to 58	"
Godavery - Concrete experiments	" 1,000	" 60	"
River embankments	" 27,900	" 62 to 64	"
Nellore do	" 25,000	" 67	"
	4,39,300		

The 50,000 Rupees required
have therefore to be found
from the 85,300 remaining
for other works

as

As the Government of India have, in para 4 of their orders, desired that no expenditure on the Madras Waters Irrd Rs project, and on the Chembarambakam Kum Sank. shall be incurred until the revised estimates for these projects have been sanctioned, these instructions will be carefully attended to; but the Superintending Engineer, Chingleput, will report whether any, and if so what, work cannot be prudently postponed, stating at the same time the sums which must in that case be kept available.

We

Veda Dec 1921

We will also bear no time in revising the work estimates to such extent as present circumstances may render necessary. In the meantime Rs 15,000 from the Madras Waters Irrd Rs project, Item 28, and Rs 20,000 from the Chembarambakam Kum Sank project, Item 29, will be deemed available for the Perumbair Anicut extension, and the District Engineer, Bellary will apply for an additional allotment as soon as this may be required.

Yours

3- With regard to the reductions made under Ordinary (para 3) it will be considered in the Revenue Department whether the contributions from Proprietors for the improvement of the Kristianraadz Channel can be made immediately available- 2ndly The rule- -ject of the provision of ferry boats will be reconsidered after a report has been received of the amount available from surplus ferry funds for expenditure on Canal ferries- 3rdly His Excellency the Governor in Council cannot admit the fairness of requiring the con- -tributions to the Palaram

island embankments be expended without a proportionate pro- -vision of Imperial funds being made available- It may be noticed that the sub- -ject of the incidence of the cost of the embank- -ments has been fully discussed and a decision arrived at after due consideration of the circumstances- Copies of the papers, which must already be in the pos- -session of the Govt of India will therefore be transmitted with a request that the

*G.O. No 477 of 25th Feby: 1874
" No 1480 " 5th June —"
" No 95 Mis. 12th Sept —"
†R.D. No 1066 " 24th Augt —"
" No 1379 " 30th Oct —"
P.W. No 91 Mis. 9th Dec —"

G.O. dd 2264 dated 15th Augt 1874 & G.O. No 2892 dated 9th October 1874-

allotment required for the current year may be made available. In the meantime as this work does not admit of delay the District Engineer will be authorized to proceed with the construction of the embankments, first from contribution money which may be available, and on its exhaustion from Imperial funds. 4thly the Govt. of India will be addressed on the subject of the investigation and construction of village drainage works in the Godavery Delta. Pending the final disposal of the question, the investigations and preparation

× Rs 30,000

The Board of Revenue will be requested to report the amount of Government Revenue which will be secured by the embankment works, as asked for by the Govt. of India

No. 475 dated 17 Feby. 1875

preparation of estimates will be continued, as it is observed that the information as to total cost required by the Govt. of India cannot in any case be ready for some time to come, or at all unless the investigations be continued. 5thly the grant for minor new Irr. Works has been reduced from Rs 2,51,000 to Rs 1,73,000. The Govt. of India mention (para 16) that the letter addressed to them regarding the provision of Agricultural funds under Ordinary had not been received, and a reply thereto will be awaited. District Engineers

Engineers will for the present consider their grants be reduced to four fifths of the sums entered in the Budget estimates, Part III for Indian New Works other than under Miscellaneous. they will be able to push forward these important works as fast as sums intended for the first three quarters of the official year and the reduction of the grant need not at present make any difference.

6th- The reduced provision of Rs. 14,66,800 for Repairs is placed

at the disposal of the Chief Engineer for Irrigation. Should the balance of the 15 Lakhs entered in the Budget statements be hereafter found to be indispensably necessary, application will be made to the Govt. of India in due course.

4- The communication referred to in para 3 of the Budget orders will be awaited.

5- Para 10-I- of the orders will be separately disposed of in replying to the letter No. 108 A.I. dated 22nd March 1875 from the Govt. of India

on the subject of the Periyar Anicut -

Para 10 - III - The revised estimate for the Srivaikuntam Anicut Project should be resubmitted with as little delay as possible with reference to Lr. No. 2231 dated 16th November 1894 -

Para 10 - III - It is understood that the revised estimate for the Pelandurai Anicut Project has just been received by the Chief Engineer for Irrigation from the District Engineer South Arcot and its submission should be expedited -

Para 10 IV - It is believed that the sanctions of the kind referred to given hitherto

hitherto have been extremely small, but the Chief Engineer for Irrigation will prepare and submit a list of them -

Para 10 - V - The instructions are in accordance with the practice - No sanctions will be given for Survey Establishments under Extraordinary except for works the execution of which from Loan funds has been sanctioned or recognized to be probable - A complete list of sanctions for 1894-95 has just been prepared in connection with the reference as per

per margin* from the Govt. of India, and a similar list for 1875-76 will be transmitted in due course - As yet only for two projects - the Godavery & the Kistna Delta - have estimates for Survey Establishments for 1875-76 been received -

6- The information required by the Govt. of India in para 13 regarding the cost of the Restoration of the Palar and Pony Anicuts will be reported on the receipt of the estimates, which it is observed as yet have been submitted by the District Engineer -

7- The Controller of Public Works Accounts will furnish the explanation required in connection with the estimated receipts from the Godavery and Kistna Works (para 21), and with regard to the receipts from the Madras Municipality a special report will be made when papers on the subject now under consideration, shall have been disposed of -

8- The revised abstract Part II asked for in para 23. I. II. III. will be prepared and transmitted at once, and it is considered that the may

* do. 56 A-G dated 22nd January 1875 - G.O. No. 595 dated 2nd March 1875

No: 1228 A / 1st May / 75.

To, The Secy: to the Govt. of India
Public Works Dept.

Sir,

With reference to the Madras Irrigation Budget orders, 1875-76, transmitted with your letter, No. 99 A.S. of the 19th ultimo, I am directed to forward for the information of the Govt. of India a copy of the orders issued by this Govt. and to submit the following explanations on some of the points referred to.

Para 3. Polavaram Island embankments. Item 6,

Part

may best be done in the Controller's office.

Para 23. IV. The preparation of the Appendices referred to is dependent, it is believed, on the Capital and Revenue accounts which are engaging the Controller's attention, but are still far from complete. This officer will report how far these Appendices can be prepared at present.

M. 15/4/75

The Sec. of Legs. Dept.
Cash Mr. Dept.
D.E. Sanjeevi
" " Vizag
" " Godavery
" " Kistna
" " Nellore
" " Cuddapah
" " Kurnool
" " Bellary
" " Chingleput
" " N. Arcot
" " S. Arcot
" " Salem
" " Tanjore
" " Trichinopoly
" " Coimbatore
" " Nilgiris
" " Canara
" " Madura
" " Tinnevelly
Finl Dept.
Rev.
Bd of Rev.
Acct Genl

Part III. Full explanation regarding the circumstances which have led to the sanction of these embankments will be found in the papers as per margin, a copy of which is enclosed. I am to state that in the opinion of His Excellency the Governor in Council it would be unfair to spend the Proprietary Estates' contribution of one third of the total cost, and then to let the embankments be at a stand still until some future time when the Imperial Fund subscription of two thirds might be forthcoming, And I am to request

therefore

× G.O. No. 477 of 25th July: 1874.
" — 1450 " 5th June — "
" — 95 Mis 12th Sept. — "
R.D. 1066 — " 24th Aug. — "
Do 1379 — " 30th Oct. — "
P.W. No. 91 Mis " 9th Dec. — "

therefore that the allotment entered in the Budget Estimates may be made available. I am to add that the good faith of this Govt. would be compromised by the omission to go on with the work after the obligation to aid largely in the construction of the embankments has been admitted. It is believed that the embankments have been properly classified under Agricultural, Miscellaneous, but that is a very minor consideration. The order under which Agricultural expenditure is classified

are

are contained in the Pro-
ceedings marginally
noted, and a copy of
them is enclosed.

× No. 2003 dated 24th July 1874

Village Drainage, Item No. 65.

I am to transmit
a copy of the * papers
relating to this subject,
and to state that it
is not practicable to
give an estimate at present
as to the probable ultimate
outlay on this account.
On the estimates for the
drainage of one group
of villages × orders have
been passed, and it
will be seen that
1st. the average cost is
Rs 514.
2nd. that in most cases
in this group the
need

* P.W. Order No. 1267 of 10th Dec/73.
Go. 15th April 1874 No. 980
" 25th Feby. 1875 — " 548.

× No. 548 of 25th Feby. 1875.

need of drainage is not
the result of irrigation,
but is due to the fact
that the villages are in
the Delta, which cir-
cumstance makes them
naturally ill drained.
For another group of
villages the estimates
amount to Rs 5390 or
Rs 415 per village,
and these estimates
will shortly be reviewed.
The circumstances of
no two groups are pre-
cisely similar, and
until the requirements
of each group have
been ascertained the
probable total outlay
cannot be stated.
As to the grounds

on

on which the cost of such drainage is considered to be properly chargeable to Agricultural Funds, Ordinary, I am to remark that the Community to be benefitted is agricultural, that it is desirable to keep the population in the Delta, and to keep it in health, so far as this may be practicable by attention to the physical features of the Country and the removal of recognized causes of disease due thereto. The point has however been discussed in the papers forwarded, and should the Govt. of India think that this work should not be classed as Agricultural, I am to request that some other classification may be laid down, and a grant made accordingly.

Ltr. 194/75

GMW.

The Chief Engr. Irr.
Exec. Engr. W.C.
" Do. Vizagapatam Godavery
" " " Tungabhadra
" " " Kistna,
" " " Pennair
" " " Cuddapah
" " " Kurnool
" " " Coimbatore
" " " Cauvery
" " " Tanjore
" " " South Arcot
" " " North Arcot
" " " Trichinopoly
" " " Madura
" " " Tinnevelly
" " " Malabar
" " " South Canara
" " " Bellary
X. Asstt. "

Desp. 17-5-75 Lett. 354 of 28 1875 & a copy of each of the 10 Nos. noted on the margin.

20781

16/8/12

Govt. of {1875} Madras.

PUBLIC WORKS.

To

The Chief Engineer
& Secy. to Govt.

Dated

Rec'd.

Encl.

G. O. {Mem. 1875, No. 1227
1228

Nos. 21-22
23

Affording explanations on certain points referred to in their orders on the Irrigation Budget-Estimate for 1875-76

1-5

ation Budget-Estimate
75-76.—Passing orders
letter from the
ment of India
in the ——.