

(1) Number of pages _____

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MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

1357-1358	(2)	Press
G.O. No.		Mis.
Dated	20-4-	1877.

Not to be folded or roughly handled

No. 485. Read the following Proceedings of the Government of India in the Public Works Department, (Account—Irrigation,) dated Fort William, 3rd March 1877, Nos. 73—74 A—I:—

Reply to orders on the Madras Irrigation Budget Estimate, 1876-77.

Read again—

Orders by Government of India on the Madras Irrigation Budget Estimate, 1876-77.

Read also the following:—

Letter from Secretary to Government of Madras, No. 2,443, dated 13th September 1876.

Do.	do.	" 2,481A,	" 18th	" "
Do.	do.	" 2,575A,	" 27th	" "
Do.	do.	" 2,615,	" 23th	" "
Do.	do.	" 3,311A,	" 7th December	" "
Do.	do.	" 3,374	" 12th	" "

RESOLUTION.—The reply of the Government of Madras to the orders of the Government of India on the Madras Irrigation Budget Estimate for 1876-77 contains several points which will now be dealt with.

I.—Request for an additional grant of Rupees 10,000 under Extraordinary.

2. Under Extraordinary the Madras Irrigation Budget Estimate for 1876-77, as originally submitted, amounted to	RS.
to which amount was added, in Budget orders, a sum of	3,66,033
in consequence of the decision of the Government of India to postpone the refund of that sum from the Ordinary to the Extraordinary grant on account of the Madras Water-supply and Chembrumbaukum Tank Project	1,00,000
so that the total of the Budget Estimate was increased to	4,66,033

From this total the following reduction was made:—

Provision under Establishment Extraordinary for Surveys, the specific works for which the establishment was required not having been mentioned	10,000
Amount disallowed to make the grant an even one	33
leaving the allotment at	4,56,000

3. The Government of Madras, in revising their Budget to accord with the above limit, point out that the reduction of the sum of Rupees 10,000 for Survey Establishment has been made unnecessarily, "as there was no such entry in the Budget for the current year as originally submitted to the Government of India," and ask that the grant retrenched may be restored. The amount required can however be met from expected short outlay against the Extraordinary grant in Madras, and arrangements should be made to provide for the sum accordingly.

*Proceedings of the Madras Government, Public Works Department,
20th April 1877. No. 1,358.*

Revision of the Budget Estimate for Extraordinary Works.

4. The following statement exhibits the distribution of the Extraordinary grant as sanctioned by the Government of India and as shown in the revised Budget now submitted:—

	ESTIMATE AS PASSED BY THE GOVERNMENT OF INDIA				ESTIMATE AS NOW REVISED.			
	Works.	Establishment.	Plant.	Total.	Works.	Establishment.	Plant.	Total.
Godavery Delta System ..	RS. 2,58,400	RS. 54,600	RS. 41,300	RS. 3,54,300	RS. 2,58,400	RS. 70,953	RS. 41,300	RS. 3,70,653
Kistna ..	54,480	13,620	7,850	76,950	49,860	13,691	7,850	71,401
Pennair ..	21,000	5,250	250	26,500	21,000	5,766	250	27,016
Streaviguntum ..	39,400	9,850	..	49,250	36,820	10,110	..	46,930
Less met by refund from Provincial grant ..	3,73,280	83,520	49,400	5,06,000	3,66,080	1,00,520	49,400	5,16,000
Less deficit ..	50,000	..	..	50,000	50,000	..	..	50,000
Total ..	3,23,280	83,320	49,400	4,56,000	3,16,080	90,520	49,400	4,56,000

5. It is explained that the Original Budget Estimate contained no provision for the cost of the Chief Engineer for Irrigation and his Establishment as detailed in the estimate now submitted. The charge debitable to Extraordinary amounts to Rupees 9,000; to meet this the following reductions in grants have been made:—

	Works.	Establishment.
	RS.	RS.
Kistna Delta ..	4,620	1,155
Streaviguntum Anicut Delta ..	2,580	645
	7,200	1,800
	9,000	

6. The revised distribution of the grant is approved.

Provision for Establishment and Tools and Plant for Extraordinary Works.

7. The grant for Tools and Plant was passed by the Government of India on the distinct understanding that no excess over provision in the estimates for the works to which the charges are debitable would result thereby. In reply it is said that such an assurance cannot be given, because there are excesses in the estimates for Extraordinary works. But it is added that the Government of Madras have passed orders directing the deficiencies in the estimates in question to be made good, and that no time will be lost in giving the Government of India full information as to past and prospective outlay from Extraordinary funds under Establishment and Tools and Plant with the view of obtaining sanction thereto.

8. The promised information will be awaited. In the meantime it may be stated that a list of sanctions for works classed as Extraordinary is about to be published in which the several works the estimates for which contain no provision for Establishment and Tools and Plant have been brought out distinctly. This list will probably aid the Government of Madras to apply for the necessary sanction in such cases as it may be needed.

*Proceedings of the Madras Government, Public Works Department,
20th April 1877. No. 1,358.*

Revision of Budget Estimate under Ordinary.

9. Under Ordinary the Budget Estimate was reduced by a sum of Rs. 3,99,162* leaving the grant for the year at Rupees 27,22,000. The following statement shows the distribution of the grant as made in Budget orders and as shown in the revised Budget now submitted:—

Heads of Service.	AS MADE IN BUDGET ORDERS.					Heads of Service.	AS SHOWN IN REVISED BUDGET ESTIMATE.				
	Works.	Repairs.	Establishment.	Plant.	Total.		Works.	Repairs.	Establishment.	Plant.	Total.
Capital ..	RS. 3,40,641	RS. ..	RS. 85,162	RS. 75,022	RS. 5,00,825	Capital ..	RS. 38,749	RS. ..	RS. 52,140	RS. 42,550	RS. 1,33,439
State expenditure on Guaranteed Irrigation Works ..	..	..	..	..	10,500	State outlay on Guaranteed Irrigation Works ..	10,500	..	..	..	10,500
Revenue charges ..	..	13,76,175	4,72,370	77,733	19,26,283	Revenue charges ..	29,775	4,16,600	2,24,094	82,700	7,54,169
Neither Capital nor Revenue ..	78,700	1,48,823	56,867	..	2,84,392	Neither Capital nor Revenue ..	4,00,592	9,90,625	4,06,165	25,510	18,23,892
Total ..	4,19,341	15,25,000	6,14,399	1,52,760	27,22,000		4,79,616	10,17,225	6,82,399	1,52,760	27,22,000

10. In regard to the variations between previous and present distribution of the grant, as brought out by the foregoing statement, the following explanation is given.

11. *Capital Ordinary.*—Under this head the decrease is ascribed to the transfer of a large portion of the grants to the neutral head of Ordinary Agricultural Works for which no Capital or Revenue Accounts are kept. Amongst the works the grants for which have been so transferred are—

The Madras Water-supply Project.
The Pennair Anicut Extension.

12. It has already been decided by the Government of India that it is not desirable that the grants and outlay for large works such as those mentioned should be recorded in the manner directed by the Government of Madras. His Excellency the Governor-General in Council therefore deems it necessary, in drawing attention to the orders quoted, to ask that the procedure therein suggested may be carried out, and the grants modified accordingly.

13. *Revenue charges.*—Under this head the following explanation is given:—
“In the original Budget Estimate the outlay for extensions and improvements was improperly included in Part IV, and formed part of the grant for Repairs. Extensions and improvements are now brought under Original Works, Part III, and constitute an increase to that class. The grant for Repairs has been correspondingly reduced, and it is further decreased by the transfer to Ordinary Agricultural of all grants for works now included under that head. The decrease shown in the amount for Establishment results modified by the proportionate charge for the Chief Engineer, &c., already referred to.”

* Of this reduction Rupees 1,00,000 is for the refund from Ordinary to Extraordinary of the sum spent from the latter on the Madras Water-supply Project, which refund has been deferred, so that really the reduction was only Rupees 2,99,162.

14. *Ordinary Agricultural.*—Of the changes under this head it is said—

“From the foregoing explanations the increase under all classes of the Ordinary Agricultural grants will be understood. It should be added that, in order to provide for the charge for the Chief Engineer for Irrigation and the Special Revenue Officer with their Establishments, a sum of Rupees 68,000 has been re-appropriated from the grant for Repairs.”

15. On the whole the effect of the re-distribution of the grants under Ordinary, as made in the revised Budget Estimate, compared with the distribution made in Budget orders by the Government of India, may be summarized as follows:—

	Distribution of Grant as per Budget Orders.	Distribution of Grant as per revised Budget now submitted.	Difference.
Capital—			
Works ...	Rs. 3,40,641	Rs. 38,749	Rs. —3,01,892
Repairs ...	...	...	...
Establishment ...	85,162	52,140	—33,022
Plant ...	75,022	42,550	—32,472
	5,00,825	1,33,439	—3,67,386
Revenue—			
Works ...	...	29,775	+ 29,775
Repairs ...	13,76,175	4,16,600	—9,59,575
Establishment ...	4,72,370	2,24,094	—2,48,276
Plant ...	77,738	83,700	+ 5,962
	19,26,283	7,54,169	—11,72,114
Ordinary Agricultural—			
Works ...	78,700	4,01,592	+ 3,21,892
Repairs ...	1,48,825	9,90,625	+ 8,41,800
Establishment ...	56,867	4,06,165	+ 3,49,298
Plant ...	...	26,510	+ 26,510
	2,84,392	18,23,892	+ 15,39,500
Grand Total—			
Works ...	4,19,341	4,69,116	+ 49,775
Repairs ...	15,25,000	14,07,225	—1,17,775
Establishment ...	6,14,399	6,82,399	+ 68,000
Plant ...	1,52,760	1,52,760	...
State outlay on guaranteed Irrigation Works	10,500	10,500	...
Total ...	27,22,000	27,22,000	...

16. Turning to Works, particulars regarding which were called for in Budget orders, the following require notice.

17. *Excess outlay over estimate for lengthening Pennair Anicut.*—Of this work it was pointed out in Budget orders that the estimate for the project needs the sanction of the Government of India: moreover, that the provision for Establishment for the work had been divided, i.e., under Works and under Establishment, thus—

Works ...	Rs. 20,351
Establishment ...	9,250

Explanation of the reason for the separation of the charges was called for.

In reply it is stated that “the expenditure during the past year exceeded the amount provided in the estimate sanctioned by this Government. A revised estimate is necessary, which is being prepared, and it will be submitted to the Government of India as soon as possible.” The promise for the submission of this estimate has been noted, and it is hoped that it will reach the Government of India at an early date.

18. *Madras Water-Works and Chembrumbaukum Tank Projects.*—It was pointed out in Budget orders that revised estimates would be necessary for these projects, and that, until these estimates were prepared and sanctioned, the outlay on the works would have to be restricted. In reply it is said that “the Government have issued orders to ensure that the restrictions of the Government of India on expenditure, laid down in paragraph 11 of their Budget orders, are strictly attended to. The revised estimates will very shortly be submitted.” The submission of these estimates will be awaited.

19. *Provision of funds for River Embankment and Drainage Works.*—A separate communication will be addressed to the Government of Madras regarding these works.

20. *Towing-path to Western Delta, Nizampatam Canal.*—Explanation was called for why the outlay on the work should not be debited to the Capital Account of the Canal instead of to “Ordinary Agricultural outlay for which no Capital or Revenue Account is kept,” under which head the work was placed in the Budget.

In reply it is stated that the work is for the improvement of the navigation of certain creeks beyond the tail of the Nizampatam Canal in the Godavery Delta. These, it is said, are used for local traffic in connection with the adjacent town of Nizampatam, and the proposed expenditure has no connection with the Delta Works of which the Canal is a part, except in so far that it will facilitate approach to a terminal point of the Delta in question. No information, however, is given as to whether the tolls from the creeks are credited to the Canal. If credited to the Canal, then obviously the cost of the work should be debited to the Capital Account of the Canal. It is requested that particulars on this point may be furnished.

21. *Navigable Canal through Nagaram Island.*—In the Original Budget Estimate submitted the estimated cost of this work was set down at Rupees 27,000, with the remark that Rupees 10,000 of that amount was debitable to the Local Fund Budget. But the object of the work was not stated, nor the revenue expected to be realized from it, nor the circumstances which led to the grant of Rupees 10,000 from Local funds: nor whether the work is for both irrigation and navigation, or purely for navigation, in which event it would fall under Communications, and Provincial Funds, would be liable for its construction. Explanation on all these points was requested, but none has been afforded. The Government of India desire that the particulars required may be furnished with the least possible delay.

22. *Constructing a wider bridge over the Ellore Canal at Ellore.*—The estimated cost of this work is Rupees 14,200, of which it was said a portion was to be met from Local Funds. Enquiry was made why the whole cost of the work should not be provided for from those funds. In reply, the following explanation is furnished:—

"A bridge was originally constructed in connection with the Ellore Canal to accommodate the traffic on the trunk road where it crosses the canal. Experience has shown that it is too narrow and dangerous in consequence, and as the trunk road existed before the canal divided it, the Government decided that a part of the cost of providing a suitable structure was fairly debitable against the Delta Irrigation system. The amount of the estimate, less value of old materials, is Rupees 10,700, and the share debited to Irrigation, under the terms of the foregoing decision, is Rupees 5,350, and not, as erroneously entered in the Budget Estimate, Rupees 7,500. The need for the improvement of communication at the point in question was urgently represented to the Government of Madras by the local authorities in May 1874."

23. *Fish chamber at Kistna Anicut under sluice.*—Enquiry was made why the grant for the work was placed under the head of "Ordinary Agricultural Works for which no Capital or Revenue Account is kept," instead of under the Capital Account of the Kistna Delta Works. The information required has not been afforded. The Government of India desire that it may now be submitted.

Provision of funds for Minor Works.

24. Under Minor Works—the provision made in Budget orders	Rs.
amounted to	1,90,000
That entered in the Budget Estimate was	2,35,000
Against a grant in 1875-76 of	1,93,000
And in 1874-75 of	1,51,000

25. In explaining the reasons for which the estimate was reduced to Rupees 1,90,000, the following remarks were made in Budget orders:—

"The question of the increase cannot be decided till receipt of the information,

* Public Works Department, No. 40 A—I, dated 18th January 1876.

asked* for in connection with the application for increasing the Ordinary grant to 35 lakhs per annum. Meanwhile it should be noted that the provision has been entered in the Budget Estimate in one item of Minor Works. But the requirements of the accounts for Irrigation Works involve that the grant should be distributed off to the several projects to the Capital or Revenue Accounts of which the charges may be debited. And as regards Capital, some general estimate of the amount by which the debit for Minor Works should be limited is essential, otherwise the financial prospects of the project may be affected if the debit was not made without some recognized limit. The Government of Madras is requested to take into consideration the manner in which this can best be done."

26. The reply of the Government of Madras to these remarks is as follows:—

"The provision made in the original Budget Estimate was Rupees 2,30,000 under Capital, Ordinary; this has been reduced to Rupees 1,85,000 in the Budget orders. A transfer to the Minor Works grant of Rupees 20,000 has been made from the Repair grant, and the reduction ordered has been carried out at the expense of the Reserve at the disposal of Government. The Government, I am to say, are unable to suggest any alternative measure of reduction. I am, however, to point out that the amount (Rupees 2,30,000) originally asked for is less than half that which this Government reported would be the proper annual outlay for a considerable time to come, the object in view being to place tanks and channels throughout the country in a secure state within a reasonable time, and to prevent the numerous accidents,

involving loss of revenue, which occur in some districts on the recurrence of every heavy fall of rain. The Government, I am to say, appreciate the necessity for such an arrangement and grouping of these scattered works of irrigation as will afford all reasonable facility for a comparison of outlay from the grant for Minor New Works, or Repairs with the Revenue dependant on the works, and their efforts will not be wanting in order to secure that definite progress is hereafter made in the collection and arrangement of information."

The explanation is noted.

Provision of funds for Repairs.

	Rs.
27. Under Repairs the provision passed for the year stands at ...	15,25,000
That asked for by the Madras Government was	15,00,000
Grant, 1875-76	14,66,800
Outlay, 1874-75	15,43,707
" 1873-74	14,00,190

28. In explaining the variation in the revised grant under this head as compared with the allotment previously allowed, the following remarks are made:—

"The re-appropriation which has been made in the revised Budget Estimate in order to provide for the charge for Special Establishments has reduced the amount available under this class of outlay by Rupees 68,000. This reduction affects the Irrigation Works for which Capital and Revenue Accounts are not kept. The remarks made in the foregoing paragraph regarding the importance of the construction of minor works connected with tanks and channels are pertinent when the subject of repairs is under consideration; and I am to express the regret of His Grace the Governor in Council that it should be necessary to make reductions, which in either direction, by their proximate effect on land revenue receipts, tend to aggravate the financial pressure it is wished to mitigate. I am also to include the reductions adverted to amongst the list of those which the Government of India are asked to forego."

Here again the explanation is noted.

Provision of funds for Surveys.

29. Under Survey Establishment the grant passed is Rupees 15,000, that being the sum allowed for 1875-76. Details of the projects on which the survey is to be employed and of the establishment composing the survey were called for.

30. In reply it is explained that "the provision made in the Budget Estimate under this head is in part for surveys and levels in connection with the completion of projects for the Godavery and Kistna Deltas, but mainly for those which are found necessary in framing estimates for the maintenance of Irrigation Works throughout the country, and for which Capital and Revenue Accounts are not kept. Expenditure is necessary on the latter class of surveys in order to enable the Repair grant to be advantageously laid out, and surveys are also required to afford the data on which the grouping of minor irrigation must be based. The Government of Madras hope that in this case also it may be possible to supplement the grant already made by Rupees 5,000."

The Government of India regrets that it is not possible at present to allow the sum asked for.

Proceedings of the Madras Government, Public Works Department,
20th April 1877. No. 1,358

Additional grant required under Ordinary.

31. The following is a summary of the additional grants now asked for by the Government of Madras:—

	Works.	Repairs.	Establishment.	Plant.	Total.
	RS.	RS.	RS.	RS.	RS.
Capital Extraordinary.					
Establishment	...	...	10,000	...	10,000
Capital Ordinary.					
Constructing a wider bridge over the Ellore Canal at Ellore	5,250	...	1,338	...	6,688
Ordinary Agricultural.					
Towing-path, Western Delta, Nizampatam Canal	8,930	...	2,233	...	11,163
Raising river banks, Godavery District	30,000	...	7,500	...	37,500
Minor Irrigation.					
New Works	45,000	...	11,250	...	56,250
Repairs	...	68,000	17,500	...	85,500
Surveys	...	...	5,000	...	5,000
Total Ordinary ...	89,280	68,000	44,821	...	2,02,101
Total Extraordinary and Ordinary ...	89,280	68,000	51,821	...	2,12,101

32. Of the sums asked for, the Government of India have considered it necessary to sanction an increase to the Minor Works grant of 56,250
and to the grant for Repairs of 85,500

Making a total ... 1,41,750

for which sum an additional grant was assigned in Public Works Department letter No. 55 A—I, dated 20th February 1877.

ORDER.—Ordered, that this Resolution be communicated to the Government of Madras for information and guidance, and to Financial Department for information.

(Signed) W. A. CROMMELIN, Major-General, R.E.,
Secy. to the Govt. of India.

No. 486.

ORDER THEREON, 20th April 1877, No. 1,357.

IRRIGATION, No. 45-C.

Account.

With reference to paragraph 3. The amount of Rupees 10,000, retrenched by the Government of India under the mistaken impression that it was for Survey Establishment "Capital Extraordinary," will be provided for from the amount of Rupees 16,553

Proceedings of the Madras Government, Public Works Department,
20th April 1877. No. 1,358.

shown below. The Government of India in their Deputy Secretary's letter No. 388 A—I*, dated 31st October 1876, paragraph 2, cancelled the allotment† under "Capital Extraordinary" for the Survapully project, Pennair Anicut system, for the current official year. The particulars of the allotment were as follow:—

	RS.
Works	21,000
Establishment	5,766
Tools and Plant	250
Total ...	27,016

Out of the Rupees 21,000 for "Works" Rupees 8,200 were transferred to the Godavery Delta system in G.O., No. 240, of 25th January 1877, leaving unappropriated for

	RS.
Works	12,791
Establishment	3,512
Tools and Plant	250
Total ...	16,553

2. With reference to paragraph 7. The information called for as to past and prospective outlay in Extraordinary Funds under Establishment and Tools and Plant will be furnished as receipt of the list of sanctions for works classed as Extraordinary promised by the Government of India in paragraph 8.

3. With reference to paragraphs 11 and 12. The letter from the Government of India, No. 354 A—I, of 26th September 1876, reviewing the Proceedings of this Government on the report of a conference on the subject of the preparation of Capital and Revenue Accounts of Irrigation Works has been referred* to the Chief Engineer

* G.O., No. 573, of 20th February 1877. for Irrigation and to the Examiner of Public Works Accounts for report as to the way in which the wishes of the Government of India could best be carried into effect. It is now too late to carry out in this official year the suggestions of the Government of India on the subject, but should it be hereafter decided that Capital and Revenue

† Madras Water-supply project.
Pooniar (a) Anicut Extension.

(a) Note.—This name is wrongly printed as "Pennair" in the letter of Government of India under notice.

Accounts are to be kept for the works† referred to, the Examiner of Public Works Accounts can then show the amount of the expenditure of this year under the correct head together with the outlay in previous years.

4. With reference to paragraph 17. The revised estimate for lengthening the Pennair Anicut amounting to Rupees 2,07,245 was submitted for the sanction of the Government of India with letter No. 3,456, of 16th December 1876.

5. With reference to paragraph 18. In anticipation of the completion of the estimate for land compensation, Chembrambakam Tank project, a copy of the Proceedings of this Government, No. 2,691, of 5th October 1876, on a comparative statement submitted by the Superintending Engineer, explaining the difference between the sanctioned and revised estimate of the cost of the Chembrambakam Tank

*Proceedings of the Madras Government, Public Works Department,
20th April 1877. No. 1,358.*

project was forwarded to the Government of India with letter No: 2,692, of 5th October 1876. The Government of India in their reply No. 444 A-I, of 21st December 1876, stated that the revised estimate for the project will be awaited. The Superintending Engineer, Chingleput, will expedite the preparation and submission of the revised estimates for the Madras Water Works and Chembrambakam Tank projects called for in G.O., No. 343, of 8th February 1876, and memorandum No. 18 C.N., of 24th March 1876, from the Chief Engineer for Irrigation.

6. With reference to paragraph 20. The Government of India will be informed that no tolls are levied on boats navigating the creeks near Nizamapatam. In paragraph 6 of letter No. 2,448, of 13th September 1876, to the Government of India, and in paragraph 20 of the Resolution printed above, the Nizamapatam Canal is by mistake said to be in the Godavery Delta. It is in the Kistna Delta.

7. With reference to paragraph 21. The remark in the preliminary issue of the Budget did not mean that Rupees 10,000 only out of an estimate of Rupees 27,000 would be provided from Local Funds. The Nagaram Island Canal is not required for irrigation, and it is considered to be a Local Fund work, to which possibly a contribution from Imperial Funds may be proper. The orders on the subject later than that of the 31st July 1874, No. 2,091, are Nos. 1,418 and 2,080, of the 22nd May and 22nd July 1875.

8. With reference to paragraph 23. The Fish chamber at Kistna Anicut under sluice was classed under "Ordinary Agricultural," as paragraph 4 of the Note that accompanied the Circular of the Government of India, No. 64, of 28th October 1871, lays down that the investigation into fisheries is a charge against the 3rd account, viz., outlay for which neither Capital nor Revenue Account is kept. The Fish chamber will be an experimental work proposed in connection with the investigations into the fisheries of Southern India.

* Printed in G.O., No. 2,731, of 10th November 1873.

9. With reference to paragraph 32. Separate orders have been passed on the subject of the additional grant given by the Government of India for Minor New Works and Repairs. The intimation that these additional funds would be available did not reach Madras until the 27th February.

10. Ordered that a copy of these Proceedings be forwarded for the information of the Government of India.

(True Extract.)

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

No. 487.

DOCKET No. 1,358, dated 20th April 1877.
Copy of the above forwarded to the Government of India.

(True Extract.)

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

Exd. T. D. Ryan.
Spare Copies

Nos. 73-74 A-I.

GOVERNMENT OF INDIA.
PUBLIC WORKS DEPARTMENT.

ACCOUNT.

Irrigation.

Fort William, March 3, 1877.

Reply to orders on the Madras Irrigation Budget-Estimate, 1876-77.

Read again—

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Read also the following:—

Letter from Secretary to Government of Madras, No. 2448, dated 13th September 1876.

Ditto	ditto,	No. 2481A, "	18th	"	"
Ditto	ditto,	No. 2575A, "	27th	"	"
Ditto	ditto,	No. 2615, "	28th	"	"
Ditto	ditto,	No. 3311A, "	7th December	"	"
Ditto	ditto,	No. 3374, "	12th	"	"

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	Works.	Establishment.	Plant.	Total.	Works.	Establishment.	Plant.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Godavery Delta System ...	2,58,400	54,600	41,300	3,54,300	2,58,400	70,953	41,300	3,70,653
Kistna " ...	54,493	13,620	7,550	75,663	49,860	13,691	7,850	71,401
Pennair " ...	21,000	5,250	250	26,500	21,000	5,766	250	27,016
Stredeviguntum " ...	39,400	9,950	...	49,350	36,820	10,110	...	46,930
Less met by refund from Provincial grant ...	3,73,250	83,820	49,100	5,06,170	3,66,080	1,00,520	49,400	5,16,000
Less deficit ...	50,000	...	...	50,000	50,000	...	...	50,000
Total ...	3,23,290	83,820	49,100	4,56,210	3,16,080	90,630	49,400	4,56,110

5. It is explained that the Original Budget-Estimate contained no provision for the cost of the Chief Engineer for Irrigation and his Establishment as detailed in the estimate now submitted. The charge debitable to Extraordinary amounts to Rs. 9,000: to meet this the following reductions in grants have been made :—

	Works.	Establishment.
	Rs.	Rs.
Kistna Delta ...	4,620	1,155
Stredeviguntum Anicut Delta ...	2,580	645
	7,200	1,800
	9,000	

6. The revised distribution of the grant is approved.

Provision for Establishment and Tools and Plant for Extraordinary Works.

7. The grant for Tools and Plant was passed by the Government of India on the distinct understanding that no excess over provision in the estimates for the works to which the charges are debitable would result thereby. In reply it is said that such an assurance cannot be given, because there are excesses in the estimates for Extraordinary works. But it is added that the Government of Madras have passed orders directing the deficiencies in the estimates in question to be made good, and that no time will be lost in giving the Government of India full information as to past and prospective outlay from Extraordinary funds under Establishment and Tools and Plant with the view of obtaining sanction thereto.

8. The promised information will be awaited. In the meantime it may be stated that a list of sanctions for works classed as Extraordinary is about to be published in which the several works the estimates for which contain no provision for Establishment and Tools and Plant have been brought out distinctly. This list will probably aid the Government of Madras to apply for the necessary sanction in such cases as it may be needed.

Revision of Budget-Estimate under Ordinary.

9. Under Ordinary the Budget-Estimate was reduced by a sum of Rs. 3,99,162, * leaving the grant for the year at Rs. 27,22,000. The following statement shows the distribution of the grant as made in Budget orders and as shown in the revised Budget now submitted :—

Heads of Service.	AS MADE IN BUDGET ORDERS.					Heads of Service.	AS SHOWN IN REVISED BUDGET-ESTIMATE.				
	Works.	Repairs.	Establishment.	Plant.	Total.		Works.	Repairs.	Establishment.	Plant.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.	Rs.	Rs.
Capital ...	3,40,641	...	85,162	75,023	5,00,826	Capital ...	38,740	...	52,140	42,550	1,33,430
State expenditure on Guaranteed Irrigation Works ...	...	...	...	...	10,500	State outlay on Guaranteed Irrigation Works ...	10,500	...	...	...	10,500
Revenue charges ...	...	13,76,175	4,72,870	77,735	19,26,880	Revenue charges ...	29,775	4,16,000	2,24,004	83,700	7,54,169
Neither Capital nor Revenue ...	78,700	1,48,825	58,967	...	2,86,492	Neither Capital nor Revenue ...	4,00,502	9,90,625	4,06,165	26,510	18,23,892
Total ...	4,19,341	15,25,000	6,14,399	1,52,760	27,22,000	Total ...	4,79,616	14,07,225	6,82,399	1,52,760	27,22,000

10. In regard to the variations between previous and present distribution of the grant, as brought out by the foregoing statement, the following explanation is given.

11. *Capital Ordinary.*—Under this head the decrease is ascribed to the transfer of a large portion of the grants to the neutral head of Ordinary Agricultural Works for which, no Capital or Revenue Accounts are kept. Amongst the works the grants for which have been so transferred are—

The Madras Water-supply Project.

The Pennair Anicut Extension.

A mistake here!

12. It has already been decided by the Government of India that it is not desirable that the grants and outlay for large works such as those mentioned should be recorded in the manner directed by the Government of Madras. His Excellency the Governor General in Council therefore deems it necessary, in drawing attention to the orders quoted, to ask that the procedure therein suggested may be carried out, and the grants modified accordingly.

13. *Revenue charges.*—Under this head the following explanation is given :—

“In the original Budget-Estimate the outlay for extensions and improvements was improperly included in Part IV, and formed part of the grant for Repairs. Extensions and improvements are now brought under Original Works, Part III, and constitute an increase to that class. The grant for Repairs has been correspondingly reduced, and it is further decreased by the transfer to Ordinary Agricultural of all grants for works now included under that head. The decrease shown in the amount for Establishment results modified by the proportionate charge for the Chief Engineer, &c., already referred to.”

14. *Ordinary Agricultural.*—Of the changes under this head it is said—

“From the foregoing explanations the increase under all classes of the Ordinary Agricultural grants will be understood. It should be added that, in order to provide for the charge for the Chief Engineer for Irrigation and the Special Revenue Officer with their Establishments, a sum of Rs. 68,000 has been re-appropriated from the grant for Repairs.”

* Of this reduction Rs. 1,00,000 is for the refund from Ordinary to Extraordinary of the sum spent from the latter on the Madras Water-supply Project, which refund has been deferred, so that really the reduction was only Rs. 2,99,162.

15. On the whole the effect of the re distribution of the grants under Ordinary, as made in the revised Budget-Estimate, compared with the distribution made in Budget orders by the Government of India, may be summarized as follows:—

	Distribution of Grant as per Budget orders.	Distribution of Grant as per revised Budget now submitted.	Difference.
Capital—	Rs.	Rs.	Rs.
Works	3,40,641	39,749	—3,01,592
Repairs	...	...	...
Establishment	...	...	...
Plant	85,162	52,140	—33,022
	75,022	42,350	—32,472
Revenue—	5,00,825	1,33,439	—3,67,386
Works	...	29,775	+ 29,775
Repairs	...	...	...
Establishment	13,76,175	4,16,600	—9,59,575
Plant	4,72,570	2,24,094	—2,48,276
	77,738	83,700	+ 5,962
	19,26,283	7,54,169	—11,72,114
Ordinary Agricultural—			
Works	...	...	...
Repairs	78,700	4,01,592	+ 3,21,892
Establishment	1,48,825	9,90,625	+ 8,41,800
Plant	56,867	4,06,165	+ 3,49,298
	...	26,510	+ 26,510
	2,84,392	18,23,892	+ 15,39,500
Grand Total—			
Works	4,19,341	4,69,116	+ 49,775
Repairs	...	...	...
Establishment	15,25,000	14,07,225	—1,17,775
Plant	6,14,399	6,82,399	+ 68,000
	1,52,760	1,52,760	...
State outlay on guaranteed Irrigation Works	10,500	10,500	...
	27,22,000	27,22,000	...

16. Turning to Works, particulars regarding which were called for in Budget orders, the following require notice.

17. *Excess outlay over estimate for lengthening Pennair Anicut.*—Of this work it was pointed out in Budget orders that the estimate for the project needs the sanction of the Government of India: moreover, that the provision for Establishment for the work had been divided, i. e., under Works and under Establishment, thus—

Works	Rs.
Establishment	20,351
	9,250
Explanation of the reason for the separation of the charges was called for.	

In reply it is stated that "the expenditure during the past year exceeded the amount provided in the estimate sanctioned by this Government. A revised estimate is necessary, which is being prepared, and it will be submitted to the Government of India as soon as possible." The promise for the submission of this estimate has been noted, and it is hoped that it will reach the Government of India at an early date.

18. *Madras Water-works and Chembrumbaukum Tank Projects.*—It was pointed out in Budget orders that revised estimates would be necessary for these projects, and that, until these estimates were prepared and sanctioned, the outlay on the works would have to be restricted. In reply it is said that "the Government have issued orders to ensure that the restrictions of the Government of India on expenditure, laid down in para. 11 of their Budget orders, are strictly attended to. The revised estimates will very shortly be submitted." The submission of these estimates will be awaited.

19. *Provision of funds for River embankments and drainage works.*—A separate communication will be addressed to the Government of Madras regarding these works.

20. *Towing-path to Western Delta, Nizampatam Canal.*—Explanation was called for why the outlay on the work should not be debited to the Capital Account of the Canal instead of to "Ordinary Agricultural outlay for which no Capital or Revenue Account is kept," under which head the work was placed in the Budget.

In reply it is stated that the work is for the improvement of the navigation of certain creeks beyond the tail of the Nizampatam Canal in the Godavary Delta. These, it is said, are used for local traffic in connection with the adjacent town of Nizampatam, and the proposed expenditure has no connection with the Delta works of which the Canal is a part, except in so far that it will facilitate approach to a terminal point of the Delta in question. No information, however, is given as to whether the tolls from the creeks are credited to the Canal. If credited to the Canal, then obviously the cost of the work should be debited to the Capital Account of the Canal. It is requested that particulars on this point may be furnished.

21. *Navigable Canal through Nagaram Island.*—In the Original Budget-Estimate submitted the estimated cost of this work was set down at Rs. 27,000, with the remark that Rs. 10,000 of that amount was debitable to the Local Fund Budget. But the object of the work was not stated, nor the revenue expected to be realized from it, nor the circumstances which led to the grant of Rs. 10,000 from Local funds: nor whether the work is for both irrigation and navigation, or purely for navigation, in which event it would fall under Communications, and Provincial funds would be liable for its construction. Explanation on all these points was requested, but none has been afforded. The Government of India desire that the particulars required may be furnished with the least possible delay.

22. *Constructing a wider bridge over the Ellore Canal at Ellore.*—The estimated cost of this work is Rs. 14,200, of which it was said a portion was to be met from Local funds. Enquiry was made why the whole cost of the work should not be provided for from those funds. In reply, the following explanation is furnished:—

"A bridge was originally constructed in connection with the Ellore Canal to accommodate the traffic on the trunk road where it crosses the Canal. Experience has shown that it is too narrow and dangerous in consequence, and as the trunk road existed before the Canal divided it, the Government decided that a part of the cost of providing a suitable structure was fairly debitable against the Delta Irrigation system. The amount of the estimate, less value of old materials, is Rs. 10,700, and the share debited to Irrigation, under the terms of the foregoing decision, is Rs. 5,350, and not, as erroneously entered in the Budget-Estimate, Rs. 7,500. The need for the improvement of communication at the point in question was urgently represented to the Government of Madras by the local authorities in May 1874."

Provision of funds for Minor Works.

24.	Under Minor Works the provision made in Budget orders	Rs.
	amounted to	...
	That entered in the Budget-Estimate was	1,90,000
	Against a grant in 1875-76 of	2,35,000
	And in 1874-75 of	1,93,000
25.	...	151,000

25. In explaining the reasons for which the estimate was reduced to Rs. 1,90,000, the following remarks were made in Budget orders:—

“The question of the increase cannot be decided till receipt of the information asked* for in connection with the application for increasing the Ordinary grant to 35 lakhs per annum. Meanwhile it should be noted that the provision has been entered in the Budget-Estimate in one item of Minor Works. But the requirements of the accounts for Irrigation Works involve that the grant should be distributed off to the several projects to the Capital or Revenue Accounts of which the charges may be debited. And as regards Capital, some general estimate of the amount by which the debit for Minor Works should be limited is essential, otherwise the financial prospects of the project may be affected if the debit was not made without some recognized limit.” The Government of Madras is requested to take into consideration the manner in which this can best be done.”

26. The reply of the Government of Madras to these remarks is as follows:—

“The provision made in the original Budget-Estimate was Rs. 2,30,000 under Capital, Ordinary; this has been reduced to Rs. 1,85,000 in the Budget orders. A transfer to the Minor Works grant of Rs. 20,000 has been made from the Repair grant, and the reduction ordered has been carried out at the expense of the Reserve at the disposal of Government. The Government, I am to say, are unable to suggest any alternative measure of reduction. I am, however, to point out that the amount (Rs. 2,30,000) originally asked for is less than half that which this Government reported would be the proper annual outlay for a considerable time to come, the object in view being to place tanks and channels throughout the country in a secure state within a reasonable time, and to prevent the numerous accidents, involving loss of revenue, which occur in some districts on the recurrence of every heavy fall of rain. The Government, I am to say, appreciate the necessity for such an arrangement and grouping of these scattered works of irrigation as will afford all reasonable facility for a comparison of outlay from the grant for Minor new works, or Repairs with the Revenue dependant on the works, and their efforts will not be wanting in order to secure that definite progress is hereafter made in the collection and arrangement of information.”

The explanation is noted.

Provision of funds for Repairs.

					Rs.
27.	Under Repairs the provision passed for the year stands at				15,25,000
	That asked for by the Madras Government was				15,00,000
	Grant, 1875-76	...		...	14,66,800
	Outlay, 1874-75	...	...	...	15,43,707
	" 1873-74	...	...	...	14,00,190
28.	In explaining the provision				

28. In explaining the variation in the revised grant under this head as compared with the allotment previously allowed, the following remarks are made:—

“ The re-appropriation which has been made in the revised Budget-
Estimate in order to provide for the charge for Special Establishments has
reduced the amount available under this class of outlay by Rs. 68,000. This
reduction affects the Irrigation Works for which Capital and Revenue Accounts
are not kept. The remarks made in the foregoing paragraph regarding the im-
portance of the construction of minor works connected with tanks and channels
are pertinent when the subject of repairs is under consideration ; and I am to

Here again the explanation is noted.

Provision of funds for surveys.

29. Under Survey Establishment the grant passed is Rs. 15,000, that being the sum allowed for 1875-76. Details of the projects on which the survey is to be employed and of the establishment composing the survey were called for. It is explained that "the provision made in the Budget Estimate

30. In reply it is explained that "the provision made in the Budget Estimate under this head is in part for surveys and levels in connection with the completion projects for the Godavery and Krishna Deltas; but mainly for those which are found necessary in framing estimates for the maintenance of Irrigation Works throughout the country, and for which Capital and Revenue accounts are not kept. Expenditure is necessary on the latter class of surveys in order to enable the Repair grant to be advantageously laid out, and surveys are also required to afford the data on which the grouping of minor irrigation must be based. The Government of Madras hope that in this case also it may be possible to supplement the grant already made by Rs. 5,000."

The Government of India regrets that it is not possible at present to allow the sum asked for.

Additional grant required under Ordinary.

31. The following is a summary of the additional grants now asked*for by the Government of Madras :—

		Works.	Repairs.	Establishment.	Plant.	Total.
		Rs.	Rs.	Rs.	Rs.	Rs.
CAPITAL EXTRAORDINARY.				10,000	...	10,000
Establishment	...					
CAPITAL ORDINARY.						
Constructing a wider bridge over the Elore Canal at Elore		5,350	...	1,338	...	6,688
ORDINARY AGRICULTURAL.						
Towing-path, Western Delta, Nizampatnam Canal	...	8,930	...	2,233	...	11,163
Raising river banks, Godavary District	...	30,000	...	7,500	...	37,500
MINOR IRRIGATION.						
New Works	...	45,000	...	11,250	...	56,250
Repairs	...	...	68,000	17,500	...	85,500
Surveys	...	...	...	5,000	...	5,000
Total Ordinary		89,280	68,000	44,821	...	2,02,101
Total Extraordinary and Ordinary		89,280	68,000	54,821	...	2,12,101

Total Extraordinary and Ordinary		Rs.
32. Of the sums asked for, the Government of India have considered it necessary to sanction an increase to the Minor Works grant of	...	56,250
and to the grant for Repairs of	...	85,500
	...	1,41,750

and to the grant for repairs ... 1,41,750

Making a total ...

for which sum an additional grant was assigned in Public Works Department letter No. 55 A—I, dated 20th February 1877.

communicated to the Govern-

ORDER.—Ordered, that this Resolution be communicated to the Government of Madras for information and guidance, and to Financial Department for information.

Major-Genl., R. E.,
Secy. to the Govt. of India.

No 73 R.L. M. P. M. L. L.
Major-Genl., R. E.,
Secy. to the Govt. of India.

To the Secretary to the Govt of Madras
P.O. No. 1949 Branch

17.1.1873. Rs 160.
 18.11. " " 2731.
 31.7.1874. " 2094
 22.8.1875. " 1418
 27.7. " " 2080
 6.2.1876. " 343
 12.2. " " 105 Rs.
 13.9. " " 2647. 2448
 27.9. " " 2608
 6.10. " " 2691
 28.11. " " 3483
 16.12. " " 3455
 20.2.1877. " 573
 28.3. " " 1051.



GOVERNMENT OF INDIA.
 PUBLIC WORKS DEPARTMENT.

ACCOUNT.

Irrigation.

N.A.

2577

8359

To

The Secy. to the Govt. of Madras in the
 P. W. Dept., Irrigation Branch.
 The Financial Department.

Nos. 73-74 A-I.

Dated March 3, 1877.

Received

E. I. Form No. 23.

PROCEEDINGS of the MADRAS GOVERNMENT.

UNDER date the

Read the following:

Resolution of the Govt. of India. (H.C. No. 73-74 dated 3 March 1877)

With reference to para 3, —
 The amount of Rupees 10,000
 retrenched by the Government
 of India under the mistaken
 impression that it was for
 Survey Establishment Capital
 Extraordinary will be provided
 for, from the amount of
 16,553 shown below. The Govt.
 of India in their Deputy
 Secretary's letter No. 388 A.S.
 dated 31st October 1876 para 2
 cancelled the allotment
 under

Printed in G.O. No. 3100 of 28 Nov. 76.

* Rupees 27016-

Reply to orders on the Madras Irrigation
 Budget-Estimate, 1876-77.

No. 291 A, P. W. D. Press—3-3-77—60.

Lj O. 20: April 77. Bk. 485

under "Capital Extraordinary"
for the Survaipully project,
Pernair Ancient System
for the current official
year. The particulars of
the allotment were as follow-

Works	21,000
Establishment	5,766
Tools & Plant	250
	<u>27,016</u>

Out of the Rupees 21,000 for
"works" Rs 8209 were transferred
to the Godavery Delta System
in G.O. N^o 240 of 25 Jan'y 1877
leaving unappropriated for
works Rupees 12791
Establishment " 3572
Tools & Plant " 250
Total Rupees 16,553

2. With reference to para 7:-
The information called for
as to past and prospective
outlay from Extraordinary

711
funds under Establishment
and Tools & Plant will be
furnished after receipt
of the list of sanctions for
works classed as Extraordinary
promised by the Government
of India in para 8.
3. With reference to paras 11 & 12:-
The letter from the Government
of India N^o 354 A.S. of 26th
September 1876, reviewing the
proceedings of this Government
on the report of a Conference
on the subject of the prepara-
tion of Capital & Revenue
accounts of Irrigation Works,
has been referred to the
Chief Engineer for Irrigation
and to the Examiner of
Public Works accounts for
report as to the way in which
the wishes of the Government
of India, could best be
carried

G.O. N^o 573 of 20 Feb'y 1877.

Carried into effect. It is now too late to carry out in this official year, the suggestions of the Government of India on the subject but should it be hereafter decided that Capital & Revenue accounts are to be kept for the works referred to, the Examiner of Public works accounts can then show the amount of the expenditure of this year under the correct head together with the outlay in previous years.

4. With reference to para 17:—
The revised estimate for lengthening the Pennair ancient amounting to Rs. 2,07,245 was submitted for the sanction of the Govt. of India with letter No. 3456

Madras water supply project
Pennair, ancient Extension.

(*) Note— This name is wrongly printed as "Pennair" in the letter of Govt. of India under notice.

of 16 December 1876.

5. With reference to para 18:—

In anticipation of the completion of the estimate for land compensation (Chembambakam tank project), a copy of the Proceedings of this Government No. 2691 of 5 October 1876 on a comparative statement submitted by the Superintending Engineer, explaining the difference between the sanctioned & revised estimate of the cost of the Chembambakam tank project was forwarded to the Govt. of India with letter No. 2692 of 5 October 1876. The Govt. of India in their reply No. 444 A.S. of 21st December 1876 stated that the revised estimate for the project will be awaited. The Superintending Engineer Chingleput will expedite

Agricultural" as para 4 of the note that accompanied the circular of the Govt of India No 64 of 28th October 1871 lays down that the investigation into Fisheries is a charge against the 3rd account viz outlay for which neither Capital nor Revenue account is kept. The Fish Chamber will be an experimental work proposed in connection with the investigations into the fisheries of Southern India.

9. With reference to para 32:— Separate orders have been passed on the subject of the additional grant given by the Government of India for Minor Street Works and Repairs. The

*Printed in G.O. No 2731 of 10th November 1873.

G.O. No 1051 dated 28th March 1877

intimation that these additional funds would be available did not reach Madras until the 27th February; and it is feared that difficulty will be found in utilizing the greater part of them during the short remaining period of the year.

10. Order that a copy of these Proceedings be forwarded for the information of the Government of India

May 10/74

Packet No 1358 of 20 April 77

Copy of the above forwarded to the Govt of India

Dr
Chamberlain
Edwards

Mspt. 11-5-77

PUBLIC WORKS

T

Director Engineers.

Dated

Issued

Recd.

Encl

G. O., 20th April 1877, No. 1357

Nos. 485-486

Grandes Immigration Budget
estimate, 1876-77. Resolution
of the Govt India on the subject
of this Government to the
orders of the Govt India
on the — reviewed.

—
Forwarding copy of
Proceedings concerning the
orders of the Govt India
on the Madras Emigration
Budget Estimate for

1896-77

But in Reg.