M.R.O. 1—10,006—28-2-50.

(1) Number of pages _____

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No. 2447A-2448 Press
B.P.—No. Mis.—

Dated 13-9-1876 —195—.

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department,
13th September 1876. *No.* 2,447-*A.*

No. 205-A. Read again orders of the Government of India on the Madras Irrigation Budget Estimate for 1876-77, dated 27th March 1876.

No. 205-B. ORDER THEREON, 13th September 1876, No. 2,447-A.

IRRIGATION, No. 25-A.
Account.

THE attention of this Government has been called to the necessity for the submission to the Government of India of revised estimates for all projects carried out from Loan Funds in cases where there has been no provision in the original estimates for outlay on Establishment, or Tools and Plant, or when such provision where made has been or is likely to be exceeded. The Chief Engineer for Irrigation will therefore, in communication with the Examiner, prepare and submit to Government as soon as possible revised estimates for all extraordinary works in progress in which full provision will be made to cover past and future outlay under the three classes—Works, Establishment, and Tools and Plant.

(True Extract.)

Colonel,
Offg. Under Secy. to Govt., P.W.D.

To the Chief Engineer for Irrigation.
,, Examiner of Public Works Accounts.

Exd. A. Grubert.
Spare Copies

PUBLIC WORKS DEPARTMENT,

FORT ST. GEORGE, 13*th September* 1876.

No. 206.

No. 2,448.

FROM

MAJOR-GENERAL G. W. WALKER, R.E.,

Secretary to the Government of Madras,

Public Works Department,

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,

Public Works Department.

IRRIGATION, No. 26.

Account.

SIR,—I am directed to address you with reference to the orders of the Government of India, dated the 27th March last, on the Budget Estimate for Irrigation Works in this Presidency for 1876-77, and to forward at the same time twenty-five copies of the revised Budget for the year.

2. Under Extraordinary the amount of the estimate has been reduced by Rupees 10,000 said to be on account of a disallowance of an entry for Survey Establishment. I am to point out that there was no such entry in the Budget for the current year as originally submitted to the Government of India. I am to say that the proper proportion of general establishment as compared with the works grant is Rupees 91,520, and to ask that under the foregoing explanation a supplementary assignment of Rupees 10,000 may be made to cover the deficit created by the orders in question. The following statement compares the distribution of the extraordinary grant as sanctioned by the Government of India, and that in the Budget now presented :—

	1876-77. Estimate as passed by Government of India.				1876-77. Revised Budget Estimate.			
	Works.	Establishment.	Tools and Plant.	Total.	Works.	Establishment.	Tools and 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 do. do. ..	54,480	13,620	7,850	75,950	49,860	13,691	7,850	71,401
Pennair Anicut do. ..	21,000	5,250	250	26,500	21,000	5,766	250	27,016
Streeviguntum Anicut System ..	39,400	9,850	..	49,250	36,820	10,110	..	46,930
	3,73,280	83,320	49,400	5,06,000	3,66,080	1,00,520	49,400	5,16,000
Less met by refund from Provincial Grant	50,000	..	..	50,000	50,000	..	..	} 60,000
Less deficit	..	..	..	..	..	10,000	..	
Total Capital Extraordinary ..	3,23,280	83,320	49,400	4,56,000	3,16,080	90,520	49,400	4,56,000

I am to explain that the preliminary Budget Estimate on which the orders of the Government of India were passed contained no provision for the cost of the Chief

Engineer for Irrigation and his Establishment as now detailed in Part V of the revised estimate; and to meet the proportion of the charge debitable to Extraordinary, the following reductions in grants have been made and are shown in the foregoing statement.

	Works.	Establishment.
	Rs.	Rs.
Kistna Delta System	4,620	1,155
Streeviguntum Anicut System	2,580	645
Total ...	7,200	1,800

3. In passing the grant for Tools and Plant and Establishment under Extraordinary, the Government of India require an assurance that it will involve no excess over the provision in the estimates for the Projects to which the charges are debitable. I am to state that the Government of Madras regret that such an assurance cannot be given. In certain cases no estimates for Establishment for Loan Fund Works in progress have been sanctioned; these are instances in which the works were commenced before the financial rules of the Government of India required that specific provision for Establishment should be made. In other cases there are excesses over the estimates under one or other of these heads. The Government of Madras have passed orders directing the deficiencies in the estimates in question to be made good, and I am to convey their assurance that no time will be lost in giving the Government of India full information as to past and prospective outlay from Loan Funds under these heads of account with a view to obtaining sanction thereto. With respect to works and the conditions on which the Government of India say the grants are made I am desired to state that the excesses sanctioned are within the additional sum of 5 per cent. which is the limitation of the sanctioning power of this Government, and also within their power as regards total sanction for individual projects; and further that care will be taken that these limits are not exceeded in the future. In reply to the specific inquiry made in paragraph 3 of their Budget orders, I am to refer you to the sanction of the Government of India to the estimate for restoring navigation with the Weyairu conveyed in letter, No. 367-I, dated the 2nd August 1871.

4. The orders of the Government of India on the Ordinary Budget Estimate involve a reduction of Rupees 3,99,162, and excluding one lakh which merely provided for a refund from Ordinary to Extraordinary, the actual reduction which has been made in the sum proposed to be expended amounts to Rupees 2,99,162. The Budget Estimate under Ordinary has been revised accordingly, and exhibits a total corresponding to the grant under that head. The distribution made by the Government of India and that which it has been found necessary to carry out are contrasted in the subjoined abstract:—

DISTRIBUTION AS MADE IN REVISED AND BUDGET ESTIMATE.

Funds, Systems of Canals, Objects of Work, &c.	Works.	Repairs.	Establishment.	Tools and Plant.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.
CAPITAL.					
Godavery Delta System ..	8,100	..	2,473	400	10,973
Kistna do. ..	2,000	..	2,799	32,150	36,949
Pennair Anicut do. ..	16,649	..	4,573	..	21,222
Chembrumbaukum Tank ..	12,000	..	3,295	..	15,295
Dowlaishweram Workshops ..	..	..	..	10,000	10,000
Special Revenue Establishment ..	..	..	39,000	..	39,000
Total ..	38,749	..	52,140	42,550	1,33,439
State outlay on Guaranteed Irrigation Works ..	10,500	..	..	..	10,500
	49,249	..	52,140	42,550	1,43,939
REVENUE.					
Godavery Delta System ..	..	1,25,000	84,663	50,650	2,60,313
Kistna do. ..	6,800	1,10,000	57,152	33,050	2,07,002
Pennair Anicut do. ..	6,975	29,500	14,427	..	49,902
Chembrumbaukum Tank ..	..	12,300	4,546	..	16,846
Palar Anicut System ..	..	36,000	12,582	..	48,582
Pelandorai do. ..	..	2,000	1,198	..	3,198
Kaveri Delta do. ..	17,000	84,800	42,700	..	1,44,500
Sreeviguntum Anicut System ..	..	17,000	6,826	..	23,826
Total, Revenue ..	29,775	4,16,600	2,24,094	83,700	7,54,169
ORDINARY AGRICULTURAL.					
Minor Irrigation Works ..	3,91,892	8,16,700	3,33,231	26,510	18,23,892
River Conservancy ..	77,700	1,73,925	72,669		
Miscellaneous ..	1,000	..	275		
Total, Ordinary Agricultural ..	4,00,592	9,90,625	4,06,165	26,510	18,23,892
Total, Ordinary ..	4,79,616	14,07,225	6,82,399	1,52,760	27,22,000

DISTRIBUTION AS APPROVED BY GOVERNMENT OF INDIA.

Funds, Systems of Canals, Objects of Work, &c.	Works.	Establishment.	Tools and Plant.	Total.
	Rs.	Rs.	Rs.	Rs.
CAPITAL.				
Godavery Delta Works ..	8,100	2,025	..	10,125
Kistna do. ..	2,000	500	..	2,500
Pennair Delta, Pennair Anicut Extension ..	16,649	4,162	..	20,811
Nellore Tank* ..	10,000	2,500	..	12,500
Chinna Kraka Tank ..	6,850	1,461	..	7,312
Nandial Tank* ..	20,000	5,000	..	25,000
Madras Water Supply Project* ..	29,446	7,361	..	36,807
Chembrumbaukum Tank do. ..	15,496	3,874	..	19,370
Poonian Anicut Extension* ..	22,000	6,500	..	27,500
Cinnakistnapatam Tank* ..	6,000	1,250	..	6,250
Head sluices to channels* ..	21,100	5,275	..	26,375
Minor Works* ..	1,85,000	46,253	..	2,31,253
Increase to Capital of Dowlaishweram Workshop ..	..	..	40,000	40,000
Tools and Plant for other Projects	..	..	35,022	35,022
Total ..	3,40,641	85,162	75,022	5,00,825
State Expenditure on Guaranteed Works ..	..	..	..	10,500
REVENUE ..	..	13,76,175	4,72,370	77,738	19,26,283
ORDINARY AGRICULTURAL ..	78,700	1,48,825	56,867	..	2,84,392
Total, Ordinary ..	4,19,341	15,25,000	6,14,399	1,52,760	27,22,000

* These are included under Ordinary Agricultural, Minor Irrigation, in the revised Budget Estimate.

I am to give the following general explanation regarding the variations which are here brought out. The details are very fully shown in the Budget Estimate and Appendices :—

Capital Ordinary.—The decrease under works in the revised abstract is Rupees 4,60,373. This difference is mainly caused by the transfer to the category of works for which Capital and Revenue Accounts are not kept of all Irrigation Works in the Presidency, except those included under eight systems for which it is intended to keep separate Capital and Revenue Accounts (*vide* Proceedings, Madras Government, communicated to the Government of India in Docket, No. 1,505, dated 17th June 1876). The grant for the Chembrumbaukum tank has been reduced by Rupees 3,496 which has been added to that for the Madras Water Supply Project. A corresponding reduction in the charge for general establishment results from the decrease in the grant for works, but additions are necessary to provide for the proportionate charge for the Chief Engineer and his establishment, as also for that for the special officer employed in the investigations connected with the revenue derived from Irrigation Works. Under Tools and Plant a distribution to systems of works has been made as far as practicable. It having been found that only Rupees 10,000 were required for the Dowlaishweram Workshops, the balance of the grant made by the Government of India has been reappropriated to make good the reductions ordered by them in other grants under this class of outlay.

Revenue.—In the Original Budget Estimate the outlay for "Extensions and Improvement" was improperly included in Part IV and formed part of the grant for "Repairs." Extensions and Improvement 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.

Ordinary Agricultural.—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 reappropriated from the grant for Repairs.

5. With reference to the remarks of the Government of India on certain works for which grants are made, I am desired to record the following observations :—

Lengthening the Pennair Anicut.—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.

Madras Water Works and Chembrumbaukum Tank Project.—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.

River Embankments on the Western Bank of the Godavery.—While assigning a grant for this work, the Government of India disallow that asked, for raising the river banks of the Godavery District for which there is no sanctioned estimate, and call for information on various points connected with the river embankments generally. An approximate estimate (amounting to Rupees 2,80,943) of the cost of the embankments, exclusive of the western embankment of the Central Delta and those of the Vanitiyam branch of the river, regarding which information has not yet been received, has been laid before this Government. Every effort will be made to furnish the Government of India as soon as possible with complete estimates of the whole of the outlay required. The embankments are intended to protect all the interests public and private liable to be injured by flood, and existing in the tract of country which these works guard. The safety of the canals is undoubtedly involved, but not more so than that of the material wealth created by prosperous agriculture fostered by the canals, and for which they receive no credit. Local cesses are raised on that property and the argument might be advanced with some justice that Local Funds should contribute to the embankments; while on the other hand the right of the inhabitants to share in the benefits of outlay of the unremunerative kind from Imperial Funds towards which they contribute must apparently be admitted. It would seem therefore that if the case is dealt with in the abstract, Irrigation, Ordinary Agricultural, and Local Funds should all contribute to the construction of the works. But irrigation has, already in connection with the execution of the Bank canals, been charged with outlay of this description which the other two funds did not share, and it was considered that it should now in its turn be exempted. The liability of Local Funds to bear a share of the cost of extensive works of this nature has not hitherto been advanced, and it would give a number of incoherent bodies a right of interference in the mode of dealing with structures which must be dealt with as a whole or not at all. As respects Zemindars owning land in the Deltas, the Madras Government has been advised that in the present state of the law landowners cannot under such circumstances be made to contribute to protective works. In the meantime the renewal or construction of the embankments is very necessary in order to guard against possible disaster.

Proceedings, Revenue Department, No. 1,316, dated 2nd September 1875.

Improving Right Bank of Pennair.—The above observations of this Government regarding the Godavery works are, I am to say, considered to apply to the case of the Pennair embankments also, with the addition that as the area of unirrigated land is greater in proportion to that irrigated, there is more reason for debiting the outlay to Ordinary Agricultural Funds.

Drainage of the Village of Gollalamudda in the Godavery District.—While passing the grant for the drainage of this village the Government of India (paragraph 15, Budget Orders) call the attention of this Government to a previous reference made by them on the subject of Delta village drainage. I am to say that it has been referred to various Revenue and Sanitary Departments concerned, and that when the reports called for have been received, the final views of the Government will be laid before the Government of India. In the meantime no expenditure will be incurred on village drainage unless the need of it is directly due to the Irrigation Works.

Public Works Department letter, No. 212-A. I, dated 20th July 1875.
G.O., No. 2,840, dated 2nd October 1875.

6. With regard to new works for which the grants are entirely disallowed, I am to submit the following explanations, and to express the hope of His Grace the Governor in Council that the Government of India will reconsider their decision and make the assignments which were asked for in the Original Budget Estimate in respect of these works :—

Paragraph 14, Budget Order.

Towing path, Western Delta, Nizampatam Canal.—This work is for the improvement of the navigation of certain creeks beyond the tail of the Nizampatam canal in

the Godavery Delta. These 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 system.

Wider bridge over the Ellore Canal at Ellore.—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 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.

Raising river banks of the Godavery District.—Explanation regarding this work has been given above in paragraph 5.

7. *Provision for Minor New Works.*—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 Work 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 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 dependent 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.

Letter, No. 475-A, dated 17th February 1875.
Do. „ 697, dated 17th March 1876.

8. *Grant for Repairs.*—The reappropriation 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.

9. *Provision for Survey Establishment.*—I am to explain 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 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 Works 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.

10. The following is a summary of the additional grants which I have been directed to ask for:—

Funds, Systems, and Objects of Work.	Classes.				
	Works.	Repairs.	Establishment.	Tools and Plant.	Total.
	RS.	RS.	RS.	RS.	RS.
Capital Extraordinary	...	...	10,000	...	10,000
Capital Ordinary.					
Wider bridge over the Ellore Canal at Ellore	5,350	...	1,338	...	6,688
Ordinary Agricultural.					
Towing path, Western Delta, Nizampatam Canal	8,930	...	2,233	...	11,163
Raising river banks of Godavery District ...	30,000	...	7,500	...	37,500
Minor Irrigation.					
Minor 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

11. In conclusion I am directed to say that the general instructions of the Government of India recorded in their orders on the Budget, and relating to the preparation of the Budget Estimate, will for the future be carefully carried out.

I have the honor to be,

Sir,

Your most obedient servant,

Colonel,
Offg. Under Secy. to Govt., P.W.D.,
for *Secretary to Government.*

Exd. A. Grubert.
Spare Copies

has reserves explanations
regarding items which are
entirely removed from
the budget. It conveys
the assurance of the Govt.
that various irregularities
which the Govt of India
notice, will be remedied
as soon as possible & it
closes as in the Viceroy's letter
the transmission of the
Recast Budget Estimate.

It is to be noticed that
the Govt of India in their
letter printed with P. & S.
dated 14. Aug. 76 No 2081
re-affirm their inability
to make additional Assignments.

Robt Scott.
H.S. 16.10.76

by the Government of
India.
The letter takes note
of the stringent measures
of retrenchment which
it has apparently been
announced by the Govt.
of India, are to mark
the policy of the current
year or the contrary that
Government is asked for
additional Assignments
to cancel out the effect of the Budget reductions
reductions made in the
Grants originally asked
for by the Govt.

This letter No 2. Accepts
all the reductions made
& asks for no additional
funds. It gives explanations
regarding works for which
Grants have been made

Accts-13 September /76 No 2447

Budget Orders

76-77

Explanatory Note to accompany Draft Orders Alternative Draft Order on Revised Irrigation Budget of 1876-77

Draft Order (No 1) framed on the basis of the instructions given by Members of Govt on the Margin of the Original draft of the 9th June 76.

It further Covers the transmission of the revised Budget Estimate and explains generally the changes which have been made in the distribution of the Grants, while adhering strictly to the Amounts allowed on the whole

No 2447A. Public Works Department.

PROCEEDINGS of the MADRAS GOVERNMENT.

UNDER date the 13th Septr 1876

READ the following:—

Orders of the Govt of India on the Irrigation Budget Estimate for 1876-77 dated March 27th 1876

The attention of this Government has been called to the necessity for the submission to the Government of India of revised estimates for all projects carried out from Loan funds, in cases where there has been no provision in the Original estimates for outlay on Establishment or Tools and Plant or when such provision where made has been or is likely to be exceeded. The Chief Engineer for Irrigation will therefore, in

communication with the Examiner prepare and submit to Govt. as soon as possible revised Estimates for all Extraordinary work in progress in which full provision will be made to cover past and future Outlay under the three clapes, Works, Establishment and Tools and Plant.

Accd
14/8/9

No. 2058
2053

C.E. for I.V.
Ex. P. Work V

Desd 15/10/76

No. 2448 dy 13th Septr 1876

To, The Secretary to the Govt. of India.

Sir,

I am directed to address you with reference to the Orders of the Govt. of India dated the 27th March last, on the Budget Estimate for the Irrigation ~~Lines~~ Works in this Presidency for 1876-77, and to forward at the same time 25 copies of the revised Budget for the year.

2. Under Extraordinary the amount of the Estimate has been reduced by

Rs

BR
10/9

Progress

Rs 10,000 said to be on account of a disallowance of an entry for Survey Establishment. I am to point out that there ~~was~~ no such entry in the Budget for the current year. ~~as originally~~ submitted ~~& the~~ Government of India. ~~to add that the Govt. has no intention of debiting expenditure on account of Famine to Loan funds.~~

I am to say that the proper proportion of general Establ. as compared with the works grant is Rs 9,520, and to ask that under the foregoing explanation a supplementary assignment of Rs 10,000 may be made to cover the deficit created by the orders in question. The following Statement compares the distribution of the Extraordinary grant as sanctioned by the Government

of

of India, and that in the Budget now presented.

9.

	1876-77 Estimate as passed by Govt. of India.				1876-77 Revised Budget Estimate			
	Works	Establt.	Tools & Plant	Total	Works	Establt.	Tools & Plant	Total
Godavery Delta System	258,400	54,600	41,300	354,300	258,400	70,953	41,300	370,653
Kistna ——do——do——	54,480	13,620	7,850	75,950	49,680	13,691	7,850	71,401
Pennair Anicut ——do——	21,000	5,250	250	26,500	21,000	5,766	250	27,016
Sreevigunturm—do——do——	39,400	9,850	"	49,250	36,820	10,110	"	46,930
	373,280	83,320	49,400	506,000	366,080	100,520	49,400	516,000
Less met by refund from Provincial Grant	50,000	"	"	50,000	50,000	"	"	"
Less deficit	"	"	"	"	"	10,000	"	60,000
Total Capital Extraordinary	323,280	83,320	49,400	456,000	316,080	90,520	49,400	456,000

I am to explain that the preliminary Budget Estimate on which the orders of the Government of India were passed contained no provision for the cost of the Chief Engineer for Irrigation and his Establishment as now detailed in part V of the revised Estimate, and to

meet

meet the proportion of the charge debitable to Extraordinary the following reductions in grants have been made and are shown in the foregoing statement.

	Works	Establt.
Kistna Delta Systems	Rs 4620	Rs 1155
Strengunturu Anicut do	" 2580	" 645
Total	7200	1800

3. In passing the grant for Tools and Plant and Establishment under Extraordinary the Govt. of India require an assurance that it will involve no excess over the provision in the Estimates for the Projets to which the charges are debitable. I am to state that the Govt. of Madras regret that such an assurance cannot be given. In certain cases no estimates for Establishment for loan fund

works in progress have been sanctioned: there are instances in which the works were commenced before the financial rules of the Govt. of India required that specific provision for establishment should be made. In other cases there are excesses over the estimates under either of these heads. The Govt. of Madras have passed orders directing the deficiencies in the Estimates in question to be made good, and I am to convey their assurance that in time will be lost in giving the Govt. of India full information as to past and prospective outlay from loan funds under these heads of account, with a view to obtaining sanction

sanction thereto. With respect to W.C. and the conditions on which the Govt of India say the grants are made I am desired to state that the excesses sanctioned are within the additional sum of 5 per cent which is the limitation of the sanctioning power of this Govt and also within their power as regards total sanction for individual projects. And further that care will be taken that these limits are not exceeded in the future. In reply to the specific enquiry made in para 3 of their Budget Orders I am to refer you to the sanction of the Govt of India to the Estimate for restoring navigation with the Weyaire conveyed in letter No 3673 dated the 2d August 1871.

The

Statement A

Distribution as approved by Government of India

Funds Systems of Canals Objects of Work &c	Works	Repairs	Establishment	Tools and Plant	Total
Capital					
Godavery Delta Works	8100		2025	10125	
Kistna Delta Works	2000		500	2500	
Pennair Delta, Pennair Anicut Extension	16649		4162 4612	20811	
Kellore Tank	10000		2500	12500	
Chinna Kroka Tank	5850		1462	7312	
Standial Tank	20000		5000	25000	
Madras Water Supply Project	29446		7361	36807	
Chembrambaukkum Tank Project	15496		3874	19370	
Cavery Anicut Extension	22000		5500	27500	
Chinna Kishnapatam Tank	5000		1250	6250	
Head Sluices to Channels	21100		5275	26375	
Minor Works	185000		46253	231253	
Increase to Capital of Dow Cashweram Workshop	-	-	-	40000	40000
Tools & Plant for other Projects	~	~	~	35022	35022
Total.	340641		85162	75022	500825
State Expenditure on Guaranteed Works	~	~	~	~	10500
Revenue					
Ordinary Agricultural	78700	148825	56867	~	284892
Total Ordinary	419341	1525000	614399	152760	2722000

* These are included under Ordinary Agricultural Minor Irrigation in the revised Budget Estimate

Funds Systems of Canals Objects of Work &c	Works	Repairs	Establishment	Tools and Plant	Total
Capital					
Godavery Delta System	8100		2473	400	10973
Kistna do do	2000		2799	32150	36949
Pennair Anicut do	16649		4573	-	21222
Chembrambaukkum Tank	12000		3295	-	15295
Dow Cashweram Workshops	-		-	10000	10000
Special Revenue Establishment	-		89000	-	89000
Total	38749		52140	42550	133409
State aid Lapsed Guaranteed Irrigation Works	10500		-	-	10500
	49249		52140	42550	143909
Revenue					
Godavery Delta System	-	125000	84663	50650	260313
Kistna do	6800	110000	87152	33050	237002
Pennair Anicut do	5975	29500	14427	-	49902
Chembrambaukkum Tank	-	12300	4546	-	16846
Palar Anicut System	-	36000	12582	-	48582
Pulandorai do	-	2000	1198	-	3198
Cauveri Delta do	17000	81800	42300	-	141100
Shivikumbum Anicut do		17000	6826	-	23826
Total Revenue	29775	413300	253700	83700	780475
Ordinary Agricultural		816700	233231		
Minor Irrigation Works	321892			26510	1823892
River Conservancy	77700	173925	72659		
Miscellaneous	1000		2275		
Total Ordinary Agricultural	400592	992625	408165	26510	1823892
	479816	1407225	682399	152760	2722000

I am to give the following general explanation regarding the variations which are here brought out. The details are very fully shown in the Budget Estimate and Appendices.

Capital Ordinary. The decrease under Works in the revised Abstract is R 4,60,373 ~~R 3,41,93~~. This difference is mainly caused by the transfer to the category of Work for which Capital and Revenue Accounts are not kept of all Irrigation Works in the Presidency except three included under eight systems (vide Proceedings Madras Govt communicated to the Govt of India in docket No. 1505 dated 17th June 1870) The grant for the Chembrambakkam Tank has been reduced by R 34,96 which has been added to that for the Madras Water Supply Project. A corresponding reduction in the charge for general Establishment results from the decrease in the grant for Works but additions are necessary to provide for the proportionate charges for the Chief Engineer and his Establishment and also for that for the special Officers employed in the ~~supervision of Capital~~ ~~and Revenue Accounts~~ Under

for which it is intended to keep separate Capital & Revenue Accounts

investigations connected with the Revenue derived from Irrigation works

Under Tools and Plant a distribution to systems of Work has been made as far as practicable. It having been found that only Rs 10000 were required for the Dowlaish-waram Workshops, the balance of the grant made by the Govt of India has been reappropriated to make good the reductions ordered by them in other grants under this class of outlay.

Revenue. In the original Budget Estimate the outlay for extensions and improvement was improperly included in Part IV and formed part of the grant for Repairs. Extensions and improvement are now brought under Original Work Part III and constitute an increase to that class. The grant for Repairs has been correspondingly reduced

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 Establishments, modified by the proportionate charge for the Chief Engineer &c already referred to.

Ordinary Agricultural 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 had been reappropriated from the grant for Repairs.

5. With reference to the remarks of the Govt of India on certain Works for

for which grants are made I am desired to record the following observations:-

Lengthening the Tennair Anicut.

The expenditure during the past year exceeded the amount provided in the Estimate sanctioned by this Govt. A revised Estimate is necessary which is being prepared and it will be submitted to the Govt of India as soon as possible.

Madras Water Works, and Chembarambakkam Tank Project.

The Govt have issued orders to ensure that the restrictions of the Govt of India's expenditure, laid down in para 14 of their Budget Orders are strictly attended to. The revised Estimates will very shortly be submitted.

Para 14 Budget order

31/9

River Embankments on the Western bank of the Pedaveny. While assigning a grant for this work the Government of India disallow that asked for raising the river banks of the Pedaveny District for which there is no sanctioned Estimate, and call for information on various points connected with the river embankments generally. An approximate estimate (amounting to Rs 280943) of the cost of the embankments exclusive of the Western Embankment of the Central Delta and those of the Vaitiyaru branch of the river regarding which information has not yet been received, has been laid before this Government. Every

effort will be made to furnish the government of India as soon as possible with complete estimates of the whole of the outlay required. The Embankments are intended to protect all the interests public and private liable to be injured by flood, and existing in the tract of country which these works guard. The safety of the Canals is undoubtedly involved but not more so than that of the material wealth created by prosperous Agriculture fostered by the Canals and for which they receive no credit. Local Cesses are raised on that property and the

argument might be advanced with some justice that Local Funds should contribute to the embankments; while on the other hand the right of the inhabitants to share in the benefits of outlay of the impersonative kind from Imperial Funds towards which they contribute must apparently be admitted. It would seem therefore that if the case is dealt with in the abstract, Irrigation, Ordinary Agricultural and Local Funds should all contribute to the construction of the works. But irrigation has already in connection with the Canals been charged with outlay of this

description which the other two funds did not share and it was considered that it should now in its turn be so supplied. The liability of Local funds to bear a share of the cost of extensive works of this nature has not hitherto been advanced and it would give a number of incoherent bodies a right of interference in the mode of dealing with structures which must be dealt with as a whole or not at all. As respects Zemindars owning land in the deltas, the Madras Government has been advised that in the present state of the Law landowners cannot under such circumstances be made to contribute to protective works.

Pw. Rev. Dept. No 1316 17 & Septr.

In the meantime the renewal or construction of the embankments is very necessary in order to guard against possible disaster.

Improving Right Bank of Pennair. The above observations of this Government regarding the Godavery works are also to say considered to apply to the case of the Pennair embankments also with the addition that as the area of unirrigated land is greater in proportion to that irrigated there is more reason for debiting the whole to Ordinary Agricultural Funds

Drainage.

Drainage of the Village of Gallalamudda in the Godaneny District. While passing the grant for the Drainage of this village the Government of India (Para 15, Budget Orders) call the attention of this Government to a previous reference made by them on the subject. I am to say that it has been referred to various Revenue and Sanitary Departments concerned and that when the reports called for have been received the final views of the Government will be laid before the Government of India. In the meantime no expenditure will be incurred on village drainage unless the need of it is directly due to the Irrigation Works.

Rx to letter No 212 A 18/26 July/75.

Do No 2840 of 2 Oct/75.

6. With regard to new works for which the grants are entirely disallowed I am to submit the following explanations and to express the hope of this Government that the Government of India will reconsider their decision and make the appointments which were asked for in the original Budget Estimate in respect of these Works.

Towing path, Western Delta, Nizampatam Canal. This work is for the improvement of the navigation of certain creeks beyond the tail of the Nizampatam Canal in the Godaneny

Delta. There are used for local traffic in connection with the adjacent town of Ryapuspaham and the proposed extension 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, if the Delta System.

Rider Bridge over the Ellore Canal at Ellore.

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 forgoing decision Rs 5350 and not as erroneously entered in the Budget estimate Rs 7500. 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.

Raising river banks of the Godavery District.

Explanation regarding this work has been given above in para 5.

7. Provision for Minor New Works. The provision made in the Original Budget Estimate was Rs 230000 under Capital-ordinary, this has been reduced to Rs 185,000 in the Budget Orders & transfer to the Minor Work grant of Rs 20000 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 ~~and the allotments distributed have been modified accordingly~~ I am however to point out that the amount (Rs 230,000) originally

Letter No 475 A 717 Feb/75
to 697 717 March/76.

asked for is less than half that which this Work 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 occurrence of every heavy fall of rain. The Government I am to say appreciate the necessity for such arrangements and scraping 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 desirable
progress is hereafter
made in the collection
and arrangement of
information.

8. Grant for Repairs

The reappropriation
which has been made
in the revised Budget
Estimate in order to
provide for the charge
for Special Establish-
ments has reduced the
amount available
under this Class of
Outlay by Rs. ~~70,000~~ 60,000

This reduction affects
the ~~minor~~ Irrigation
Works for which Capital
and Revenue Accounts
are not kept. The
remarks made in the
foregoing paragraph
regarding the imper-
fection of the construction
of Minor Works connected
with Banks 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 provi-
sions effect no land
Revenue receipts tend
to aggravate the financial
pressure if it is wished to
remedy. I am also to include the
[illegible] ordered to annexed the list of

of those which the Govt of India are asked to forego.

9.- Provision for Survey Establishment. Para 10 explains 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 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 in which the grouping of minor Irrigation works 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.

10. The following is a Summary of the additional grants which I have been directed to ask for.

Funds

Funds, Systems, and objects of Work.	Classes. Works	Repairs	Rehabilitation	Tools and Plant	Total.
Capital Extraordinary	"	-	10000	-	10000
Capital Ordinary					
Weir Anicut over the Illore Canal at Illore	5350	-	1338	-	6688
Ordinary Agricultural					
Irrigation, Western Delta Nizampatam Canal	8930	-	2233	-	11163
Raising River Banks of Godavery District	30,000	-	7500		37500
Minor Irrigation					
Minor new Works	45000		11250		56250
Repairs	68,000 ~~71,000~~		17500		85500 ~~88,000~~
Surveys			5000		5000
Total Ordinary	189,280	68,000 ~~71,000~~	44,821	-	2,02,101

11. In conclusion I am directed to say that the General instructions of

the Government of India recorded in the Orders on the Budget and relating to the preparation of the budget Estimate will for the future be carefully carried out.

Asst. Secy. to Govt. 21/9/15

5-9

W. 8/9

Urgent

I think we had better adopt this draft. We may not get what we ask for but I think we should make an effort. I am not sure that the Government will be very urgently pressed and we can really push retrenchment reasonably in this branch of the administration - we have already been reduced to the lowest possible point. P.I.E.
10/9.

No 206

11-2-13 II ✓

Govt. of Madras 1876

PUBLIC WORKS.

To The Chief Engr for Irrigation

Dated

Issued

Recd. Encl.

G. O., No. 1876, No. 2445

Nos.

Remarks Irrigation Budget Estimate for 1876-77

Passing Orders on the

Forwarding with observations Sections 25 & 26 of the Annual Budget Estimate for Irrigation Works in the Presidency for 1876-77.