6-3-94 No. 614 W
28-2-94 No. 533 W
5-12-93 No. 3131 W
8662
1883 W
1894
12204
5-5-93 No.
1894

GOVERNMENT OF MADRAS.

FINANCIAL DEPARTMENT.

Read—the following papers:—

From the Government of India, Finance and Commerce Department, dated 14th July 1894, No. 3549-A.

From T. W. RAWLINS, Esq., Accountant-General, to the Chief Secretary to Government, dated Fort St. George, 31st July 1894, No. I.B.E.-162.

With reference to your endorsement, No. 1486, dated the 23rd July 1894, on Government of India letter, No. 3549-A., dated 14th July 1894, herewith returned, I have the honour to report that the differences between the grants entered in Government of India No. 1342-A., dated 1st April 1893, and in the preliminary Provincial account of this office for March 1894, are, as shown below, due to subsequent additions and deductions sanctioned by the Government of India which were also, as usual, carried out in the consolidated abstracts and the Civil accounts submitted by this office to the Comptroller-General.

2. The sum of Rs. 4,00,000 shown as the budget grant for "43, Minor Works and Navigation" in charge of Civil officers, was adopted from G.O., Public Works, No. 126-I., dated 9th February 1893.

3. All these were fully explained by foot-notes in my Provincial accounts rendered to you for September 1893 and February 1894.

	Rs.	Rs.
11. Forest—		
Original grant		8,12,000
Deduct—		
As per Government of India, Finance Department, No. 3138-A, dated 22nd July 1893	5,000	
As per Government of India, Finance Department, No. 3150-Ex., dated 22nd July 1893 ..	6,000	
As per Government of India, Finance Department, No. 4798-A., dated 2nd November 1893.	1,000	
	——	— 12,000
		8,00,000
18. General Administration—		
Original grant		9,48,000
Add—		
As per Government of India, Finance Department, No. 1072-P., dated 28th February 1894		+ 2,000
		9,50,000

	Rs.
20. Police—	
Original grant	43,59,000
Deduct—	
As per Government of India, Finance Department, No. 1072-P., dated 28th February 1894	— 2,000
	43,57,000
21. Marine—	
Original grant	50,000
Add—	
As per Government of India, Marine Department (Finance), No. 606, dated 3rd June 1893	+ 12,000
	62,000

Memorandum, dated 13th August 1894, No. 1616.

From T. W. RAWLINS, Esq., Accountant-General, to the Chief Secretary to Government, dated Fort St. George, 30th August 1894, No. I.B.E.-187.

With reference to your official memorandum, No. 1616, dated the 13th August 1894, I have the honour to state that, in accordance with Article 1519 of the Civil Account Code, the budget estimates of the year in question as printed in the estimates of 1894-95 are left untouched, although reappropriations may have been sanctioned by the Government of India or Madras. Any reappropriations or additions sanctioned subsequent to the passing of the original budget estimates are taken into account only in the revised estimate.

2. In connection with the accounts, the practice is different. In order to carry out the provisions of Article 1545 of the Code, the amount actually sanctioned must necessarily be noted in the accounts and accordingly all alterations sanctioned by the Government of India have been entered in the accounts furnished to the Government of India and Comptroller-General. But it has been the practice to omit alterations made by the Madras Government apparently on the ground that they are not communicated by the Madras Government to the Government of India and cannot therefore be verified and they have therefore been also omitted from the Provincial account which is regarded as an extract of the other account. Without the inclusion of all alterations the budget check on expenditure cannot be effective and no distinction will in future be made between alterations made by the Government of India and those made by the Madras Government.

From the Government of India, Finance and Commerce Department, dated 22nd September 1894, No. 4913-A.

Order—dated 31st October 1894, No. 919, Financial.

The foregoing correspondence relates to certain alterations made by the Accountant-General in the column "Budget grant" of the Provincial accounts submitted to this Government. In order to exercise an efficient check over the grants as altered by additional allotments sanctioned from time to time, the Accountant-General has been in the habit of increasing and reducing the grants thus affected, in accordance with Articles 158 and 1545 of the Civil Account Code. Hitherto the additional allotments sanctioned by the Government of India have alone been taken into account by the Accountant-General. He proposes in future to include supplemental grants made by this Government also.

2. The Government is of opinion that it would be more convenient for all purposes if two columns were added to the statement of monthly accounts—one showing the alterations made from time to time, including surrenders as well as supplemental grants, and the other exhibiting the original grants as thus altered. The column "Budget Grant" would then remain untouched as required by section 1519 of the Civil Account Code. The figures in the columns of actuals might, moreover, be rounded to hundreds of rupees.

3. To ensure accuracy in the alterations and to keep Government informed of the progress of expenditure during the year, all Heads of Departments will, in future, submit a formal report whenever they foresee that the original grant of the year is likely either to be exceeded by unforeseen expenses or to be reduced by probable savings. These instructions will not apply to alterations of less than Rs. 5,000.

4. The following letter will be despatched to the Government of India :—

[Here enter No. 920, dated 31st October 1894.]

(True Extract.)

L Francis

for Chief Secretary.

To the Accountant-General.
" the Departments of Secretariat.
" all Heads of Departments.

Exd. A. Raitt.

8661 9-2-95 No 1263

Govt. of } 894} Madras.

FIN NCIAL.

Issued 20 Sep

Recd. 13.11.94 Encl.

Recorded

G.O., 31st October 1894, No. 919.

OCTOBER.

Budget Grant.

Passing orders on correspondence relating to certain alterations made by the Accountant-General in the column — of the Provincial accounts submitted to Government.

DESPATCHED
19 NOV. 94

INDEXED

IMPERIAL—MAJOR WORKS.

PRELIMINARY ISSUE.

Public Works Department.

BUDGET ESTIMATE

OF

REVENUE AND EXPENDITURE

UNDER

IRRIGATION MAJOR WORKS

IN THE

MADRAS PRESIDENCY.

FOR THE YEAR

1893-94.

MADRAS,
9th February 1893.

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.,
Irrigation Branch.

CONTENTS.

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BUDGET ESTIMATE OF REVENUE	2
ABSTRACT BUDGET ESTIMATE OF EXPENDITURE	6
DETAILS OF THE BUDGET ESTIMATE OF EXPENDITURE—	
Part I.—Arranged by Projects	7
„ IV.—Detail of the Budget Estimate for Establishment	8
„ VII.—Detail of Estimate of Suspense Balances	10

GOVERNMENT OF MADRAS.

REVENUE.

Abstract Budget Estimate of Revenue expected from Irrigation—Major works in the Madras Presidency for the year from 1st April 1893 to 31st March 1894.

	Actual Realizations, 1891-92.	Budget Estimate, 1892-93.	Revised Estimate, 1892-93.	Budget Estimate, 1893-94.
	Rs.	Rs.	Rs.	Rs.
IRRIGATION.				
IMPERIAL.				
MAJOR PRODUCTIVE WORKS—(DIRECT RECEIPTS).				
Godávari Delta System, Collections in the Public Works Department.	1,10,964	1,10,000	1,10,000	1,10,000
Kistna Delta System do. do.	48,309	50,000	50,000	50,000
Pennér Anicut System do. do.	832	600	800	800
Sangam Anicut System do. do.	742	1,400	1,000	1,200
Cauvery Delta System do. do.	4,691	8,500	8,500	4,880
Srivaikuntham Anicut System do. do.	1,559	1,500	1,200	1,120
Kurnool-Cuddapah Canal. — Collections in the Revenue Department ...	1,16,028	80,000	93,684	87,368
Deduct Collection Charges	6,713	4,000	4,684	4,368
Net Collections in the Revenue Department ...	1,09,315	76,000	89,000	83,000
Collections in the Public Works Department...	9,101	9,000	9,000	9,000
Total ...	1,18,416	85,000	98,000	92,000
Protective Work—				
Rushikulya Project	...	...	500	...
Total ...	2,85,513	2,57,000	2,70,000	2,60,000

GOVERNMENT OF MADRAS.

REVENUE.

Memorandum of the Amounts to be Credited to each Project on Account of Share of Enhanced Land Revenue Due to, or dependent on, the works.

	Actual Realizations, 1891-92.	Budget Estimate, 1892-93.	Revised Estimate, 1892-93.	Budget Estimate, 1893-94.
	Rs.	Rs.	Rs.	Rs.
IRRIGATION.				
XXIX. MAJOR WORKS—PORTION OF LAND REVENUE DUE TO IRRIGATION.				
Godávari Delta—				
Irrigation Revenue	22,44,575	21,80,000	22,90,000	23,25,000
Deduct Revenue due to old Irrigation	1,24,000	1,24,000	1,24,000	1,24,000
Revenue due to the System	21,20,575	20,56,000	21,66,000	22,01,000
Share of enhanced Land Revenue	1,61,386	1,59,000	1,62,000	1,63,000
Total ...	22,81,961	22,15,000	23,28,000	23,64,000
Deduct Collection Charges in the Civil Department	1,14,098	1,11,000	1,16,400	1,18,200
Net Revenue ...	21,67,863	21,04,000	22,11,600	22,45,800
Four per cent. on sale-proceeds of tank-bed and other waste lands less 5 per cent. for collection charges	465	...	400	200
Total ...	21,68,328	21,04,000	22,12,000	22,46,000
Kistna Delta—				
Irrigation Revenue	17,22,391	16,65,000	17,50,000	18,50,000
Deduct Revenue due to old Irrigation	71,000	71,000	71,000	71,000
Revenue due to the System	16,51,391	15,94,000	16,79,000	17,79,000
Share of enhanced Land Revenue	1,74,459	1,74,000	1,75,000	1,80,000
Total ...	18,25,850	17,68,000	18,54,000	19,59,000
Deduct Collection Charges in the Civil Department	91,292	88,000	92,700	97,950
Net Revenue ...	17,34,558	16,80,000	17,61,300	18,61,050
Four per cent. on sale-proceeds of tank-bed and other waste lands less 5 per cent. for collection charges	2,581	...	2,700	2,950
Total ...	17,37,139	16,80,000	17,64,000	18,64,000
Pennér Anicut—				
Irrigation Revenue	1,09,181	2,50,000	2,50,000	2,50,000
Deduct Revenue due to old Irrigation	1,17,000	1,17,000	1,17,000	1,17,000
Revenue due to the System	— 7,819	1,33,000	1,33,000	1,33,000
Share of enhanced Land Revenue	10,324	17,000	17,000	17,000
Total ...	2,505	1,50,000	1,50,000	1,50,000
Deduct Collection Charges in the Civil Department	125	7,000	7,500	7,500
Net Revenue ...	2,380	1,43,000	1,42,500	1,42,500
Four per cent. on sale-proceeds of tank-bed and other waste lands less 5 per cent. for collection charges	251	...	500	500
Total ...	2,631	1,43,000	1,43,000	1,43,000

GOVERNMENT OF MADRAS.

REVENUE—continued.

Memorandum of the Amounts to be Credited to each Project on Account of Share of Enhanced Land Revenue Due to, or dependent on, the works—continued.

	Actual Realizations, 1891-92.	Budget Estimate, 1892-93.	Revised Estimate, 1892-93.	Budget Estimate, 1893-94.
	Rs.	Rs.	Rs.	Rs.
IRRIGATION—*continued.*				
XXIX. MAJOR WORKS—PORTION OF LAND REVENUE DUE TO IRRIGATION—continued.				
Sangam Anicut—				
Irrigation Revenue	1,37,023	2,84,000	3,23,000	3,52,000
Deduct Revenue due to old Irrigation	1,39,000	1,39,000	1,39,000	1,39,000
Revenue due to the System	—1,977	1,45,000	1,84,000	2,13,000
Share of enhanced Land Revenue	3,386	11,000	14,000	20,000
Total ...	1,409	1,56,000	1,98,000	2,33,000
Deduct Collection Charges in the Civil Department	70	8,000	9,900	11,650
Net Revenue ...	1,339	1,48,000	1,88,100	2,21,350
Four per cent. on sale-proceeds of tank-bed and other waste lands less 5 per cent. for collection charges	3,432	...	3,900	3,650
Total ...	4,771	1,48,000	1,92,000	2,25,000
Cauvery Delta—				
Irrigation Revenue	29,49,756	31,00,000	29,50,000	36,50,000
Deduct Revenue due to old Irrigation	23,65,000	23,65,000	23,65,000	23,65,000
Revenue due to the System	5,84,756	7,35,000	5,85,000	12,85,000
Share of enhanced Land Revenue	1,41,516	1,42,000	1,42,000	2,00,000
Total ...	7,26,272	8,77,500	7,27,000	14,85,000
Deduct Collection Charges in the Civil Department	36,313	43,500	36,000	74,000
Net Revenue ...	6,89,959	8,34,000	6,91,000	14,11,000
Four per cent. on sale-proceeds of tank-bed and other waste lands less 5 per cent. for collection charges	...	...	...	...
Total ...	6,89,959	8,34,000	6,91,000	14,11,000
Srivaikuntham Anicut—				
Irrigation Revenue	1,85,732	1,66,000	1,70,000	1,85,400
Deduct Revenue due to old Irrigation	79,000	79,000	79,000	79,000
Revenue due to the System	1,06,732	87,000	91,000	1,06,400
Share of enhanced Land Revenue	1,809	2,000	2,000	2,000
Total ...	1,08,541	89,000	93,000	1,08,400
Deduct Collection Charges in the Civil Department	5,427	4,000	5,000	5,400
Net Revenue ...	1,03,114	85,000	88,000	1,03,000
Four per cent. on sale-proceeds of tank-bed and other waste lands less 5 per cent. for collection charges	...	...	...	...
Total ...	1,03,114	85,000	88,000	1,03,000

GOVERNMENT OF MADRAS.

REVENUE—continued.

Memorandum of the Amounts to be Credited to each Project on Account of Share of Enhanced Land Revenue Due to, or dependent on, the works—continued.

	Actual Realizations, 1891-92.	Budget Estimate, 1892-93.	Revised Estimate, 1892-93.	Budget Estimate, 1893-94.
	Rs.	Rs.	Rs.	Rs.
IRRIGATION—*continued.*				
XXIX. MAJOR WORKS—PORTION OF LAND REVENUE DUE TO IRRIGATION—continued.				
Barúr Tank—				
Irrigation Revenue	7,481	12,000	10,400	11,500
Deduct Revenue due to old Irrigation	2,000	2,000	2,000	2,000
Revenue due to the System	5,481	10,000	8,400	9,500
Share of enhanced Land Revenue	2	...	...	...
Total ...	5,483	10,000	8,400	9,500
Deduct Collection Charges in the Civil Department	274	1,000	400	500
Net Revenue ..	5,209	9,000	8,000	9,000
Four per cent. on sale-proceeds of tank-bed and other waste lands less 5 per cent. for collection charges	...	...	...	...
Total ...	5,209	9,000	8,000	9,000
Kurnool-Cuddapah Canal—				
Share of enhanced land revenue under tanks owing to supply of canal water	15,096	...	10,000	10,000
Deduct Collection Charges in the Civil Department	754	...	500	500
Net Revenue ...	14,342	...	9,500	9,500
Total—				
Irrigation Revenue	73,56,139	76,57,000	77,43,000	86,24,000
Deduct Revenue due to old Irrigation	28,97,000	28,97,000	28,97,000	28,97,000
Revenue due to the System	44,59,139	47,60,000	48,46,000	57,27,000
Share of enhanced Land Revenue	5,07,978	5,05,500	5,22,000	5,92,000
Total ...	49,67,117	52,65,500	53,68,000	63,19,000
Deduct Collection Charges in the Civil Department	2,48,353	2,62,500	2,68,400	3,16,000
Net Revenue ...	47,18,764	50,03,000	50,99,600	60,03,000
Four per cent. on sale-proceeds of tank-bed and other waste lands less 5 per cent. for collection charges	6,729	...	7,400	7,000
Total ...	47,25,493	50,03,000	51,07,000	60,10,000

GOVERNMENT OF MADRAS.

CHARGES.

Abstract Budget Estimate of Expenditure on Irrigation—Major Works in the Madras Presidency for the year from 1st April 1893 to 31st March 1894.

		Reference to detailed Estimate.	Actual outlay, 1891–92.	Budget Estimate, 1892–93.	Revised Estimate, 1892–93.	Budget Estimate, 1893–94.
		Pages.	Rs.	Rs.	Rs.	Rs.
IMPERIAL.						
MAJOR (PROTECTIVE) WORKS.						
Famine Relief and Insurance.						
35. CONSTRUCTION OF PROTECTIVE IRRIGATION WORKS.						
	Rs.					
I.—Works ... ... { In progress ... 3,05,660						
{ Not commenced 61,933			5,20,829	3,63,724	4,19,500	3,67,593
II.—Establishment			1,18,196	82,276	91,931	80,407
III.—Tools and plant			2,206	4,000	969	2,000
IV.—Receipts on capital account			— 766	...	...	...
Total Protective Works ...			6,40,465	4,50,000	5,12,400	4,50,000
Less—Expenditure in England			17,275	...	...	...
„ Loss by exchange			7,502	...	...	...
Net Total ...			6,15,688	4,50,000	5,12,400	4,50,000
42. (WORKING EXPENSES).						
	Rs.					
I.—Extensions and improvements. { In progress						
{ Not commenced 90,340			1,16,442	1,34,587	99,017	90,340
II.—Maintenance and repairs			5,35,654	5,17,854	5,77,460	5,24,914
III.—Establishment			4,38,179	4,57,779	4,60,957	5,06,659
IV.—Tools and plant			84,353	85,780	93,566	83,087
V.—Refunds of revenue			1,260	...	...	...
Total Working Expenses ...			11,75,888	11,96,000	12,31,000	12,05,000
CAPITAL EXPENDITURE NOT CHARGED TO REVENUE.						
49. IRRIGATION.						
	Rs.					
I.—Works ... { In progress ... 7,88,075						
{ Not commenced ... 5,56,044			12,13,090	10,34,508	12,30,431	13,44,119
II.—Establishment			2,69,014	2,29,672	2,73,577	2,96,008
III.—Tools and plant			1,37,543	35,820	90,792	59,873
IV.—Suspense account			1,199	...	...	...
V.—Receipts on capital account			— 2,894	...	...	...
Total Capital Expenditure ..			16,17,952	13,00,000	15,94,800	17,00,000

GOVERNMENT OF MADRAS.

CHARGES.

Part I.

Details of the Budget Estimate of Expenditure on Irrigation—Major Works in the Madras Presidency for the year 1893–94, arranged by Projects and Objects of Work.

	Amount of Sanctioned Estimate.	Actual Outlay to end of 1891–92.	Budget Estimate, 1892–93.	Probable Outlay during 1892–93 (Revised estimate).	Budget Estimate, 1893–94.	Remarks and References.
	Rs.	Rs.	Rs.	Rs.	Rs.	
IMPERIAL.						
MAJOR (PROTECTIVE) WORKS.						
Famine Relief and Insurance.						
35. CONSTRUCTION OF PROTECTIVE IRRIGATION WORKS.						
Capital Account.						
Rushikulya Project	39,40,000	24,74,735	4,50,000	5,12,400	4,50,000	Government of India Register No. 1 I. of 1891–92. Proceedings of Madras Govt., No. 419 I. of 19th May 1891.
Total ...	...	...	...	...	...	
42. (WORKING EXPENSES).						
Godávari Delta	...	...	4,96,000	5,45,506	5,02,000	
Kistna do.	...	...	3,94,000	4,19,645	3,98,000	
Pennér Anicut	...	...	30,000	24,438	30,000	
Sangam do.	...	...	43,000	41,931	43,000	
Kurnool-Cuddapah Canal ...	...	...	1,18,000	1,53,540	1,17,000	
Barúr tank Project	...	...	6,000	5,880	4,290	
Cauvery Delta	...	...	93,000	9,868	78,000	
Srívaikuntham Anicut ...	...	...	16,000	20,142	20,360	
Rushikulya Project	...	...	...	10,050	12,350	
Total ...	...	...	11,96,000	12,31,000	12,05,000	
CAPITAL EXPENDITURE NOT CHARGED TO REVENUE.						
49. IRRIGATION.						
Works in Progress.						
Godávari Delta System ...	1,04,633	76,310	...	5,009	...	Government of India letter No. 174 I. of 9th September 1890. Proceedings of Madras Government, No. 664 I. of 17th November 1890. Proceedings of Madras Government, No. 268 I. of 19th March 1891. Proceedings of Madras Government, No. 38 I. of 14th January 1893.
Kistna Delta System ...	1,39,19,784	97,37,639	4,23,000	3,27,377	4,71,000	Government of India Register No. 8 I. of 1884–85. Proceedings of Madras Govt., No. 862 I. of 22nd September 1884. Government of India letter No. 10 I. of 22nd January 1889. Proceedings of Madras Government, No. 62 I. of 11th February 1889.
Pennér Anicut do. ...	1,513	621	...	69	...	Government of India letter No. 224 I. of 29th October 1891, printed in Proceedings of Madras Government, No. 861 I. of 6th November 1891.
Sangam Anicut do. ...	31,30,000	29,96,363	36,000	26,931	54,000	Government of India Register No. 4 I. of 1881–82. Proceedings of Madras Govt., No. 352 I. of 2nd June 1881. Govt. of India Register No. 1 I. of 1889–90. Proceedings of Madras Government, No. 284 I. of 12th June 1889. Proceedings of Madras Government, No. 1067 I. of 17th December 1892.
Barúr Tank	7,115	3,495	...	3,614	...	Government of India letter No. 230 I. of 14th November 1891, printed in Proceedings of Madras Government, No. 928 I. of 4th December 1891. Proceedings of Madras Government, No. 778 I. of 15th September 1892.
Periyár Project	54,25,000	37,68,583	8,41,000	12,31,800	11,75,000	Government of India Register No. 1 I. of 1886–87. Proceedings of Madras Govt., No. 386 I. of 29th May 1886, and No. 354 I. of 8th June 1887. Sanction extended until 30th September 1894—*vide* Proceedings, Madras Govt., No. 407 I. of 25th July 1890.
Total ...	2,25,88,045	1,65,83,011	13,00,000	15,94,800	17,00,000	

GOVERNMENT OF MADRAS.

CHARGES.

Part IV.

Detail of the Budget Estimate for Establishment of the Irrigation Branch in the Madras Presidency for the year 1893–94.

	Budget Estimate, 1893–94.	Revised Estimate, 1892–93.
	Rs.	Rs.
IMPERIAL.		
FAMINE RELIEF AND INSURANCE—		
35. Construction of Protective Irrigation Works.		
Grant for Works	3,67,593	4,19,500
Deduct item for which no charge for Establishment is admissible.		
Compensation for land	18,000	19,800
Net Grant ...	3,49,593	3,99,700
Contribution to Provincial Funds at 23 per cent. on the Net Grant ...	80,407	91,931
IRRIGATION.		
42. Major Works (Working Expenses).		
Grant for Works and Repairs	6,15,254	6,76,477
Deduct items for which no charge for Establishment is admissible.		
Compensation for land, Godávari Delta System	4,000	...
Do. do. Cauvery do.	1,000	...
Payment to the Telegraph Department for maintenance and supervision of the Kurnool-Cuddapah Canal telegraph line	...	3,400
Payment to the Telegraph Department on account of the demolition of the telegraph line along the Kurnool-Cuddapah Canal	...	35,000
Total ...	5,000	38,400
Net Grant ...	6,10,254	6,38,077
A. 23 per cent. on the Net Grant	1,40,359	1,46,757
Direct Revenue	2,60,000	2,70,000
Deduct estimated collections in the Revenue Department of water-rates levied on lands irrigated under the Kurnool-Cuddapah Canal	83,000	89,000
Net Direct Revenue ...	1,77,000	1,81,000
B. 10 per cent. on Net Direct Revenue	17,700	18,100
Irrigation Revenue exclusive of enhanced share of Land Revenue	57,27,000	48,46,000
Add estimated collections in the Revenue Department of water-rates levied on land irrigated under the Kurnool-Cuddapah Canal	83,000	89,000
Total ...	58,10,000	49,35,000

GOVERNMENT OF MADRAS.

CHARGES.

Part IV—continued.

Detail of the Budget Estimate for Establishment of the Irrigation Branch in the Madras Presidency for the year 1893–94—continued.

	Budget Estimate, 1893–94.	Revised Estimate, 1892–93.
	Rs.	Rs.
C. 6 per cent. on Irrigation Revenue	3,48,600	2,96,100
Total A + B + C ...	5,06,659	4,60,957
CAPITAL EXPENDITURE NOT CHARGED TO REVENUE.		
49. Irrigation.		
Total Grant for Works	13,44,119	12,30,431
Deduct item for which no charge for Establishment is admissible.		
Land Compensation	57,127	40,696
Net Grant ...	12,86,992	11,89,735
Contribution to Provincial Funds at 23 per cent. on Net Grant ...	2,96,008	2,73,577

GOVERNMENT OF MADRAS.

CHARGES.

Part. VII.

Abstract of the probable increase or decrease in the Suspense Accounts of Irrigation Major Works in the Madras Presidency for the year 1893–94.

NIL.

All Suspense Accounts are included under Provincial, 45. Civil Works.

MINOR WORKS AND NAVIGATION.

PRELIMINARY ISSUE.

Public Works Department.

BUDGET ESTIMATE

OF

REVENUE AND EXPENDITURE

UNDER

IRRIGATION MINOR WORKS AND NAVIGATION

IN THE

MADRAS PRESIDENCY

FOR THE YEAR

1893-94.

MADRAS,
9th February 1893.

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.,
Irrigation Branch.

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GOVERNMENT OF MADRAS.

REVENUE.

Abstract Budget Estimate of Revenue expected from Irrigation Minor Works and Navigation in the Madras Presidency for the year from 1st April 1893 to 31st March 1894.

	Actual Realizations, 1891-92.	Budget Estimate, 1892-93.	Revised Estimate, 1892-93.	Budget Estimate, 1893-94.
	Rs.	Rs.	Rs.	Rs.
PROVINCIAL.				
IRRIGATION AND NAVIGATION WORKS.				
Works for which Capital and Revenue Accounts are kept.				
Chembrambakam Tank System	5	50	50	50
Madras Water-supply and Irrigation Extension	14,435	12,000	12,000	12,200
Pálár Anicut System	1,313	1,700	1,700	1,100
Poiney Anicut System	730	100	100	450
Cheyár Anicut System	585	100	100	450
Pelandorai Anicut System	109	250	250	200
Shatiatope Anicut System	195	50	50	100
Vriddháchalam Anicut System	3	20	20	20
Mehamattur Anicut System	5	10	10	...
Tirukoilúr Anicut System	375	450	450	40
Lower Coleroon Anicut System	761	710	710	740
Arkenkotta Channel System	1	...	...	...
Thadapalli Channel System	13	...	...	...
Kalingaroyen Channel System	222	500	500	350
Maradur Anicut System	1,068	560	560	800
Buckingham Canal	98,326	97,000	97,000	1,00,000
Vedarniem Canal	1,236	1,500	1,500	1,500
Total ..	1,19,382	1,15,000	1,15,000	1,18,000
Works for which neither Capital nor Revenue Accounts are kept, P.W.D.	12,526	12,000	12,000	10,000
AGRICULTURAL WORKS.				
Works for which neither Capital nor Revenue Accounts are kept ...	28,724	23,000	23,000	22,000
TOTAL ..	1,60,632	1,50,000	1,50,000	1,50,000

GOVERNMENT OF MADRAS.

CHARGES.

Abstract Budget Estimate of Expenditure on Irrigation Minor Works and Navigation in the Madras Presidency for the year from 1st April 1893 to 31st March 1894.

	Reference to Detailed Estimate.	Actual outlay, 1891-92.	Budget Estimate, 1892-93.	Revised Estimate, 1892-93.	Budget Estimate, 1893-94.
PROVINCIAL.	Pages.	Rs.	Rs.	Rs.	Rs.
MINOR WORKS FOR WHICH CAPITAL AND REVENUE ACCOUNTS ARE KEPT.					
CAPITAL.					
I.—Works ... (In progress ... ... Rs. 2,21,683; Not commenced ... Rs. 63,682)	...	2,58,837	1,77,260	2,52,443	2,85,365
II.—Establishment	...	56,529	40,770	57,602	61,315
III.—Tools and Plant	...	288	2,595	2,776	3,320
Less Receipts on Capital Account	...	59	...	...	...
Total, Capital ...	...	3,15,595	2,20,625	3,12,821	3,50,000
REVENUE.					
I.—Extensions and Improvements. (In progress ... ... ; Not commenced ... Rs. 50,696)	...	98,164	1,04,097	84,699	50,696
II.—Maintenance and Repairs	...	3,45,013	2,41,166	2,40,873	1,91,338
III.—Establishment	...	1,13,715	90,911	86,381	66,547
IV.—Tools and Plant	...	2,851	2,826	1,578	2,419
Refunds of Revenue	...	87	1,600	1,600	...
Total, Revenue ...	...	5,59,830	4,40,600	4,15,131	3,11,000
Total Minor Works for which Capital and Revenue Accounts are kept	...	8,75,425	6,61,225	7,27,952	6,61,000
MINOR WORKS FOR WHICH NEITHER CAPITAL NOR REVENUE ACCOUNTS ARE KEPT.					
I.—Works— Major ... (In progress ... Rs. 61,004; Not commenced ... Rs. 1,12,530)	...	2,81,979	2,22,240	2,74,384	1,73,534
Minor	...	2,97,665	2,56,226	2,43,912	2,99,042
II.—Repairs	...	14,98,029	11,00,850	11,92,861	11,84,015
III.—Establishment	...	5,76,068	5,05,150	5,25,506	5,13,921
IV.—Tools and Plant	...	18,534	17,474	19,923	18,488
Refunds of Revenue	...	1	...	...	...
Total Minor Works for which neither Capital nor Revenue Accounts are kept	...	26,72,276	21,01,940	22,56,586	21,89,000
AGRICULTURAL WORKS.					
Works for which neither Capital nor Revenue Accounts are kept.					
I.—Works— Major ... (In progress ... Rs. 27,857; Not commenced ... Rs. 70,500)	...	84,964	73,213	68,824	98,357
Minor	...	8,850	11,650	15,188	12,000
II.—Repairs	...	2,68,150	2,24,000	2,14,709	1,69,000
III.—Establishment	...	83,795	73,339	71,008	66,452
IV.—Tools and Plant	...	5,278	4,633	4,483	4,191
Refunds of Revenue	...	259	...	...	...
Total, Agricultural Works ...	...	4,51,296	3,86,835	3,74,212	3,50,000
Total, Provincial ...	...	39,98,997	31,50,000	33,58,750	32,00,000

GOVERNMENT OF MADRAS.

CHARGES.

Abstract Budget Estimate of Expenditure on Irrigation Minor Works and Navigation in the Madras Presidency for the year from 1st April 1893 to 31st March 1894—continued.

	Reference to Detailed Estimate.	Actual outlay, 1891-92.	Budget Estimate, 1892-93.	Revised Estimate, 1892-93.	Budget Estimate, 1893-94.
	PAGES.	Rs.	Rs.	Rs.	Rs.
GRAND TOTAL, PROVINCIAL 43. MINOR WORKS AND NAVIGATION.					
Works ... { In progress ... ... Rs. 3,10,544 / Not commenced ... ... 6,08,450 }	...	10,30,459	8,44,686	9,39,450	9,18,994
Repairs	...	21,11,192	15,66,016	16,48,443	15,44,353
Establishment	...	8,30,107	7,10,170	7,40,497	7,08,235
Tools and Plant	...	26,951	27,528	28,760	28,418
Refunds of Revenue	...	347	1,600	1,600	...
Less Receipts on Capital Account	...	59	...	...	...
Total, Provincial ...	...	39,98,997	31,50,000	33,58,750	32,00,000
LOCAL IRRIGATION CESS FUND.					
43. MINOR WORKS AND NAVIGATION.					
Minor Works for which Capital and Revenue Accounts are kept.					
Revenue.					
I.—Extensions and Improvements	...	2,095	...	...	...
Minor Works for which neither Capital nor Revenue Accounts are kept, P.W.D.					
I.—Original Works	...	18,075	31,000	20,000	26,000
II.—Repairs	...	3,268	...	2,000	2,000
Total ...	...	21,343	31,000	22,000	28,000
Grand Total ...	...	23,438	31,000	22,000	28,000

GOVERNMENT OF MADRAS.

CHARGES.

Part I.

Details of the Budget Estimate of Expenditure on Irrigation Minor Works and Navigation in the Madras Presidency for the year 1893–94, arranged by Projects and Objects of Work.

	Amount of Sanctioned Estimate.	Actual Outlay to end of 1891-92.	Budget Estimate, 1892-93.	Probable Outlay during 1892-93 (Revised Estimate).	Budget Estimate, 1893-94.	Remarks and References.
PROVINCIAL.	Rs.	Rs.	Rs.	Rs.	Rs.	
43. MINOR WORKS AND NAVIGATION.						
Minor Works for which Capital and Revenue Accounts are kept.						
CAPITAL.						
Works in Progress.						
Dondapad Tank Project ...	1,30,000	...	6,225	24,675	68,000	P.M.G., No. 191 I., dated 25th Feb. 1892.
Pálár Anicut System	19,83,750	18,66,959	7,700	16,397	32,000	Government of India Register No. 17 I. of 1884-85. *Vide* P.M.G., No. 85 I., dated 29th January 1885; P.M.G., No. 278 I., dated 17th May 1890; P.M.G., No. 3 I., dated 30th January 1891; P.M.G., No. 603 I., dated 11th July 1892.
Tirukoilúr Anicut System ...	36,408	...	12,300	9,225	8,500	P.M.G., No. 391 I., dated 16th July 1890.
Shatiatope Anicut System ...	26,000	...	7,400	7,400	14,500	P.M.G., No. 920 I., dated 30th November 1891.
Buckingham Canal	86,14,000	74,95,371	1,87,000	1,71,795	1,61,000	Government of India Register No. 15 I. of 1883-84. P.M.G., No. 625 I., dated 9th August 1883, and No. 195 I., dated 16th February 1884.
Sagiler Project	2,96,000	...	...	43,050	50,000	P.M.G., No. 95 I., dated 4th February 1892.
Patha Cuddapah Tank Supply Channel.	49,000	...	...	25,090	16,000	P.M.G., No. 484 I., dated 23rd May 1892.
Other Projects	...	...	...	15,189	...	
Total, Capital ..	...	...	...	3,12,821	3,50,000	
REVENUE.						
Cumbum Tank System ...	...	...	13,530	6,093	7,000	
Thadapalli Channel System ...	...	...	4,920	3,321	3,700	
Arkenkotta do. do. ...	...	...	2,460	3,628	2,700	
Kalingaroyen do. do. ...	...	...	5,600	1,111	5,000	
Chembrambakam Tank System.	...	...	1,100	— 1,327	— 5,500	
Madras Water-supply and Irrigation Extension.	...	...	1,000	7,104	...	
Vallúr Anicut System	...	...	3,690	1,476	600	
Pálár do. do.	...	...	71,000	73,362	55,500	
Poiney do. do.	...	...	24,610	20,920	21,000	
Cheyár do. do.	...	...	86,110	65,692	27,500	
Pelandorai Anicut System ...	...	...	24,480	20,827	15,500	
Shatiatope do. do. ...	...	...	16,000	15,139	13,000	
Vriddhachalam Anicut System...	...	...	9,850	5,545	5,500	
Mehamattur do. do. ...	...	...	3,325	11,935	3,700	
Tirukoilúr do. do. ...	...	...	9,270	9,270	9,200	
Lower Coleroon do. do. ...	...	...	28,370	29,846	23,000	
Maradur do. do. ...	...	...	8,670	14,205	13,000	
Chilka Lake Canal	...	...	615	984	600	
Buckingham do.	...	...	1,16,000	1,16,000	1,04,000	
Vedarniem do.	...	...	10,000	10,000	6,000	
Total, Revenue ..	...	...	4,40,600	4,15,131	3,11,000	
Total, Minor Works for which Capital and Revenue Accounts are kept	...	...	6,61,225	7,27,952	6,61,000	

GOVERNMENT OF MADRAS.

CHARGES.

Part I—continued.

Details of the Budget Estimate of Expenditure on Irrigation Minor Works and Navigation in the Madras Presidency for the year 1893–94, *arranged by Projects and Objects of Work*—continued.

	Amount of Sanctioned Estimate.	Actual Outlay to end of 1891–92.	Budget Estimate, 1892–93.	Probable Outlay during 1892–93 (Revised Estimate).	Budget Estimate, 1893–94.	Remarks and References.
	Rs.	Rs.	Rs.	Rs.	Rs.	
PROVINCIAL—*continued.*						
43. MINOR WORKS AND NAVIGATION—*continued.*						
Minor Works for which neither Capital nor Revenue Accounts are kept, P.W.D.						
Old maintenance charges ...	...	...	3,64,169	3,64,169	3,64,169	
Ordinary Minor Works, Public Works Department.	...	...	8,66,101	9,87,188	8,80,000	
Investigation of upland projects in Kistna district.	...	...	4,200	8,360	5,831	
Tank Restoration Works—						
Investigation	...	...	91,000	66,135	80,000	
Execution	...	...	3,76,470	4,30,734	4,59,000	
Minor Works, Revenue Department.	...	...	4,00,000	4,00,000	4,00,000	
Total ...	...	...	21,01,940	22,56,586	21,89,000	
Total, Irrigation and Navigation Works	...	...	27,63,165	29,84,538	28,50,000	
AGRICULTURAL WORKS.						
Works for which neither Capital nor Revenue Accounts are kept.						
MAJOR ORIGINAL WORKS.						
In Progress.						
River Embankments.						
Moodicondanaur both banks from bridge on road No. 5 to road No. 15, improvements ...	11,800	...	3,000	6,800	8,800	P.M.G., No. 749 I., dated 13th December 1890.
Cauvery both banks from road No. 4 to Kumbakónam bridge, raising	25,900	...	3,000	9,000	9,057	P.M.G., No. 500 I., dated 11th September 1890.
Coleroon left bank, raising and strengthening below bridge to Nundiar anicut	82,300	53,392	10,000	10,000	10,000	P.M.G., No. 557 I., dated 7th October 1890.

GOVERNMENT OF MADRAS.

CHARGES.

Part I—continued.

Details of the Budget Estimate of Expenditure on Irrigation Minor Works and Navigation in the Madras Presidency for the year 1893–94, *arranged by Projects and Objects of Work*—continued.

	Amount of Sanctioned Estimate.	Actual Outlay to end of 1891–92.	Budget Estimate, 1892–93.	Probable Outlay during 1892–93 (Revised Estimate).	Budget Estimate, 1893–94.	Remarks and References.
	Rs.	Rs.	Rs.	Rs.	Rs.	
PROVINCIAL—*continued.*						
AGRICULTURAL WORKS —*continued.*						
Works for which neither Capital nor Revenue Accounts are kept. —continued.						
Works not commenced.						
Nagavalli river left embankment at Gotta Mangalapuram ...	4,330	...	...	...	2,000	P.M.G., No. 681 I., dated 10th August 1892.
Nagavalli river left embankment between Aunaveram and Ampili villages	5,730	...	...	...	2,000	
Nagavalli river left embankment above Nandivada Agraharam.	3,430	...	...	...	1,500	
Raising river embankment from Vijeshweram to Polavaram.	20,000	...	...	...	15,000	P.M.G., No. 780 I., dated 15th September 1892.
Raising Vasista right bank from head to Chinchinada.	72,800	...	...	...	20,000	P.M.G., No. 56 I., dated 19th January 1893.
Raising Vasista left bank from head to junction of Gunnaram canal.	35,700	...	...	...	20,000	P.M.G., No. 101 I., dated 4th February 1893.
Diverting Vinatyam right bank along the Pasarlapudi channel left bank.	16,000	...	...	...	10,000	P.M.G., No. 1043 I., dated 10th December 1892.
Total, Major Original Works ...	...	...	...	...	98,357	
Minor Original Works	...	...	...	...	12,000	
Repairs	...	...	...	...	1,69,000	
Establishment	...	...	...	...	66,452	
Tools and Plant	...	...	...	...	4,191	
Total, Agricultural Works ...	...	...	...	...	3,50,000	
Total, Provincial ...	...	...	...	...	32,00,000	
LOCAL IRRIGATION CESS FUND.						
43. MINOR WORKS AND NAVIGATION.						
Minor Works for which neither Capital nor Revenue Accounts are kept, P.W.D.	...	...	...	22,000	28,000	
Total ...	...	...	...	22,000	28,000	

GOVERNMENT OF MADRAS.

CHARGES.

Part IV.

Detail of the Budget Estimate for Establishment of the Irrigation Branch in the Madras Presidency for the year 1893-94.

Number. 1892-93.	Number. 1893-94.	Particulars.	Rate of salary.	Budget Estimate for 1893-94. Per mensem.	Per annum.	Total.	Revised Estimate for 1892-93.
		IRRIGATION.	Rs.	Rs.	Rs.	Rs.	Rs.
		43. Minor Works and Navigation.					
		PROVINCIAL.					
		Grant for works and repairs	...	...	...	24,63,347	25,87,893
		Deduct items on which no charge for establishment is admissible—					
		Grant for land compensation	...	...	...	22,773	2,002
		Grant for investigation of upland projects in Kistna district.	...	...	...	4,831	6,160
		Grant for Survey establishment of Tank Restoration parties.	...	...	...	23,830	17,785
		Grant for repairs to "Minor Works," Revenue Department.	...	...	...	4,00,000	3,80,189
		Total Deductions ...	...	...	...	4,51,434	4,06,136
		Net Grant for Works and Repairs ...	...	...	...	20,11,913	21,81,757
		A. Share of the Public Works establishment charges at 23 per cent. on the net grant for works and repairs.	...	...	...	4,62,735	5,01,867
		Estimate of Direct Revenue	...	...	...	1,50,000	1,50,000
		B. Share of the Public Works establishment charges at 10 per cent. on Direct Revenue.	...	...	...	15,000	15,000
		Revenue due to old Irrigation under Major Works.	...	...	...	28,97,000	28,97,000
		C. Share of the Public Works establishment at 6 per cent. on Revenue.	...	...	...	1,73,830	1,73,830
		Total, A + B + C ...	...	...	...	6,51,565	6,90,697
		Special Establishment required for investigating upland projects in Kistna District.					
				20	20		
1	1	Clerk		50	50		
1	1	Draughtsman					
					70	840	
					...	100	
		Travelling allowance	...		...	60	
		Contingencies	...				
		Total ...	...	...	...	1,000	2,000
		Special Establishment for investigating requirements of Tanks systematically.					
		ATTACHED TO THE OFFICE OF THE CHIEF ENGINEER FOR IRRIGATION.					
				180	180		
1	1	Clerk		100	100		
1	1	Do.		40	40		
1	1	Do.		32	32		
1	1	Do.		29	29		
1	1	Do.		17	17		
1	1	Do.		...	54		
4	4	Tracers, 3 at Rs. 14 and 1 at Rs. 12		115	115		
1	1	Draughtsman		70	70		
1	1	Do.		40	40		
2	1	Do.					

GOVERNMENT OF MADRAS.

CHARGES.

Part IV—continued.

Detail of the Budget Estimate for Establishment of the Irrigation Branch in the Madras Presidency for the year 1893-94—continued.

Number. 1892-93.	Number. 1893-94.	Particulars.	Rate of salary.	Budget Estimate for 1893-94. Per mensem.	Per annum.	Total.	Revised Estimate for 1892-93.
		IRRIGATION—cont.	Rs.	Rs.	Rs.	Rs.	Rs.
		43. Minor Works and Navigation—continued.					
		PROVINCIAL—continued.					
1	1	Draughtsman	30	30			
1	1	Do.	25	25			
1	1	Muchi	12	12			
1	1	Head Messenger	10	10			
2	2	Messengers	7	14			
1	1	Waterman	1	1			
		Total ...	...	769	9,228		
		Travelling Allowance and Contingencies ...	...	...	1,172		
		Total ...	...	...	10,400		
		No. 1 INVESTIGATION PARTY—(MADURA).					
1	1	Executive Engineer	950	950			
1	1	Overseer	100	100			
1	1	Clerk	35	35			
1	1	Do.	25	25			
1	1	Do. or Draughtsman	22	22			
1	1	Draughtsman	55	55			
1	1	Do.	40	40			
4	4	Lascars	6	24			
		Total ...	...	1,251	15,012		
		Travelling Allowance and Contingencies ...	...	...	1,018		
		Total ...	...	...	16,030		
		No. 2 INVESTIGATION PARTY—(TINNEVELLY).					
1	1	Overseer	60	60			
1	1	Clerk	38	38			
1	1	Clerk or Assistant Draughtsman	25	25			
1	1	Draughtsman	65	65			
1	1	Do.	40	40			
3	3	Lascars	6	18			
		Total ...	...	246	2,952		
		Travelling Allowance and Contingencies ...	...	...	868		
		Total ...	...	...	3,820		
		No. 4 INVESTIGATION PARTY—(PATUKOTA, TANJORE.)					
1	1	Executive Engineer	950	950			
1	1	Overseer	100	100			
1	1	Clerk	40	40			
1	1	Do.	25	25			
1	1	Do. and Assistant Draughtsman	20	20			

GOVERNMENT OF MADRAS.

CHARGES.

Part IV—continued.

Detail of the Budget Estimate for Establishment of the Irrigation Branch in the Madras Presidency for the year 1893–94—continued.

Number. 1892-93.	Number. 1893-94.	Particulars.	Rate of salary.	Budget Estimate for 1893-94. Per mensem.	Per annum.	Total.	Revised Estimate for 1892-93.
			Rs.	Rs.	Rs.	Rs.	Rs.
		IRRIGATION—continued.					
		43. Minor Works and Navigation—continued.					
		Provincial—continued.					
		No. 4 Investigation Party—(Patukota, Tanjore)—continued.					
1	1	Draughtsman	50	50			
1	1	Do.	30	30			
4	4	Lascars	6	24			
1	1	Sweeper	2	2			
		Total ...	...	1,241	14,892		
		Travelling Allowance and Contingencies ...	...	...	2,078		
		Total ...	...	...	16,970		
		No. 5 Investigation Party—(Patukota, Tanjore).					
1	1	Overseer	60	60			
2	2	Clerks	27 & 20	47			
1	1	Draughtsman	55	55			
...	1	Do.	40	40			
1	1	Do.	30	30			
...	1	Tracer	14	14			
3	3	Lascars	6	18			
		Total ...	...	264	3,168		
		Travelling Allowance and Contingencies ...	...	...	622		
		Total ...	...	...	3,790		
		No. 7 Investigation Party—(Kistna).					
1	1	Overseer	80	80			
1	1	Clerk	30	30			
1	1	Do.	20	20			
1	1	Draughtsman	30	30			
3	3	Lascars	6	18			
1	1	Sweeper	2	2			
		Total ...	...	180	2,160		
		Travelling Allowance and Contingencies ...	...	...	540		
		Total ...	...	...	2,700		

GOVERNMENT OF MADRAS.

CHARGES.

Part IV—continued.

Detail of the Budget Estimate for Establishment of the Irrigation Branch in the Madras Presidency for the year 1893–94—continued.

Number. 1892-93.	Number. 1893-94.	Particulars.	Rate of salary.	Budget Estimate for 1893-94. Per mensem.	Per annum.	Total.	Revised Estimate for 1892-93.
			Rs.	Rs.	Rs.	Rs.	Rs.
		IRRIGATION—continued.					
		43. Minor Works and Navigation—continued.					
		Provincial—continued.					
		No. 8 Investigation Party—(Vizagapatam).					
1	1	Overseer	60	60			
1	1	Clerk	20	20			
1	1	Draughtsman	30	30			
1	1	Lascar	6	6			
		Total ...	...	116	1,392		
		Travelling Allowance and Contingencies ...	...	...	568		
		Total ...	...	...	1,960		
		Total, Special Establishment ...	...	...	...	56,670	49,800
		Total, Establishment Charges ...	...	...	...	7,08,235	7,40,497

GOVERNMENT OF MADRAS.

CHARGES.

Part VII.

Abstract of the Probable Increase or Decrease in the Suspense Accounts of Irrigation Minor Works in the Madras Presidency for the year 1893–94—Nil.

All suspense accounts are included under Provincial, 45. Civil Works.

GOVERNMENT OF MADRAS.

Statement showing the estimated amount of Receipts and Expenditure for the years 1893-94 and 1892-93.

Accounts.	Budget Estimate for 1893-94.	Revised Estimate for 1892-93.	Accounts.	Budget Estimate for 1893-94.	Revised Estimate for 1892-93.
1	2	3	4	5	6
	Rs.	Rs.		Rs.	Rs.
To Balance—			By Civil Department		
Cash in chest (including imprests)			By Central Adjusting Account		
Cash in hands of Civil Officers			By Telegraph Department		
To Civil Department			By transfers of the Public Works Department—		
To Central Adjusting Account			Divisional		
To Telegraph Department			General	4,10,000	4,20,000
To transfers of the Public Works Department—			Irrigation		
Divisional	65,83,000	67,18,950	State Railways		
General			State Outlay on Guaranteed Railways		
Irrigation			By Guaranteed Railways		
State Railways			By London Account—		
To Guaranteed Railways			Miscellaneous		
To London Account—					
Stores			*(Applicable only when used for estimates of Irrigation Branch.)*		
Miscellaneous					
(Applicable only when used for estimates of Irrigation Branch.)			By Expenditure against Imperial Budget Grant—		
			Net capital expenditure on Irrigation works not charged against Revenue	17,00,000	15,94,800
To Imperial Revenue Receipts—			Net charges for Major Works—Working Expenses	12,05,000	12,31,000
Major Works—Direct receipts	2,60,000	2,70,000	Net charges for Minor Works and Navigation		
Minor Works and Navigation			Net charges for Famine Relief and Insurance—Construction of Protective Irrigation Works	4,50,000	5,12,400
To Provincial Revenue Receipts—			By Expenditure against Provincial Budget Grant—		
Major Works—Direct receipts			Net charges for Major Works—Working Expenses		
Minor Works and Navigation	1,50,000	1,50,000	Net charges for Minor Works and Navigation	32,00,000	33,58,750
To Incorporated Local Fund Receipts—			By Expenditure against Incorporated Local Fund Budget Grant—		
Minor Works and Navigation			Net charges for Minor Works and Navigation	28,000	22,000
Generally applicable.			*Generally applicable.*		
To Income Tax			By Suspense Accounts (not affecting the Budget Grant)—		
To Suspense Accounts (not affecting the budget grant)—			Deposits		
Deposits			Tuccavee Advances		
Tuccavee Advances			Expenditure against Contributions by Native States		
Contributions by Native States			Famine Relief		
Famine Relief			Civil Engineers' Provident Fund		
Civil Engineers' Provident Fund			Total	69,93,000	71,38,950
			By Balance—		
			Cash in chest (including imprests)		
			Cash in hands of Civil Officers		
Grand Total	69,93,000	71,38,950	Grand Total	69,93,000	71,38,950

(Signed) I. S. SHERLOCK-HUBBARD,
Examiner, Public Works Accounts.

MADRAS,
January 1893.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following paper :—

No. 22 I.

Note by the Acting Chief Engineer for Irrigation.

The accompanying preliminary issue of the budget estimates of the Irrigation Branch, Public Works Department, under Imperial, Provincial and Local for 1893–94, embodying the revised estimates for 1892–93, works up to the Imperial grants provisionally sanctioned by the Government of India in its letter, No. 5 A.I., dated 10th January 1893, printed in Proceedings of the Madras Government, No. 69 I., dated 24th January 1893, and to the Provincial and Local grants fixed in Proceedings of the Madras Government, No. 1275, Financial, dated 25th November 1892, and No. 1254, Revenue, dated 14th December 1892.

2. The budget estimates of receipts and expenditure for 1893–94 compare with the revised and budget estimates for 1892–93 and the actuals of 1891–92 as shown below :—

—	Budget estimate, 1893–94.	Revised estimate, 1892–93.	Budget estimate, 1892–93.	Actuals, 1891–92.
IMPERIAL.				
Receipts.	RS.	RS.	RS.	RS.
XXIX. Major Works—				
Direct receipts	2,60,000	2,70,000	2,57,000	2,85,513
Portion of Land Revenue due to Irrigation ..	60,10,000	51,07,000	50,03,000	47,18,751
Total ..	62,70,000	53,77,000	52,60,000	50,04,264
Expenditure.				
35. Protective Works, Irrigation	4,50,000	5,12,400	4,50,000	6,15,688
42. Major Works (Working expenses)	12,05,000	12,31,000	11,96,000	11,75,888
49. Capital Expenditure not charged to Revenue ..	17,00,000	15,94,800	13,00,000	16,17,952
Total ..	33,55,000	33,38,200	29,46,000	34,09,528
PROVINCIAL.				
Receipts.				
XXX. Minor Works and Navigation—				
Direct receipts	1,50,000	1,50,000	1,50,000	1,60,632
Expenditure.				
43. Minor Works and Navigation	32,00,000	33,58,750	31,50,000	39,98,997
LOCAL IRRIGATION CESS FUND.				
Expenditure.				
43. Minor Works and Navigation	28,000	22,000	31,000	23,438
Total .. { Receipts ..	64,20,000	55,27,000	54,10,000	51,64,896
Expenditure ..	65,83,000	67,18,950	61,27,000	74,31,963

3. *Major Works—Direct Receipts.*—There was an increase of revenue under the Kurnool-Cuddapah canal last year, the canal water having been extensively used owing to scanty rainfall. As it is probable that a portion of this increase will be maintained this year, an increase of Rs. 13,000 over the budget estimate is anticipated, but as this cause is not expected to affect the revenue of next year, the budget estimate for that year is Rs. 10,000 less than the current year's revised estimate.

4. *Major Works—Portion of Land Revenue due to Irrigation.*—The current year's revised estimate is Rs. 1,04,000 more than the budget estimate. The increase is due to probable extension of irrigation under the Godávari and Kistna deltas and the Sangam anicut system. The large increase of Rs. 9,03,000 of the budget estimate for next year over the current year's revised estimate is chiefly due to the probability of most of the taluks of the Tanjore district being brought under the new settlement and to extension of irrigation in the Kistna delta and under the Sangam anicut.

5. *Protective Works, Irrigation.*—The current year's budget grant for the Rushikulya project was increased to admit of its works being proceeded with rapidly. The revised estimate under this head includes the additional grant of Rs. 5,000 sanctioned by the Government of India in its telegram, No. 2 A.I., dated 6th January 1893, printed in Proceedings of the Madras Government, dated 14th January 1893, No. 41 I. The Superintending Engineer, I Circle, not having yet submitted the distribution statement called for in the above order, the sanctioned grant has been distributed by departmental heads as shown below :—

	RS.
Works	4,19,500
Establishment	91,931
Tools and plant	969
Total ...	5,12,400

6. (*a*). 42. *Major Works (Working expenses).*—The current year's revised estimate exceeds the budget estimate by Rs. 35,000, an additional grant to that extent having been sanctioned by the Government of India for the Kurnool-Cuddapah canal to meet payment to the Telegraph department on account of the telegraph line along the canal ordered to be dismantled. The budget grant for the ensuing year is Rs. 9,000 more than that of the current year, the increase being chiefly required for improving certain works of the Cauvery delta for which estimates are reported to be under preparation.

(*b*) The provisional grant of Rs. 12,05,000 for next year is distributed as shown below :—

——	Extensions and Improvements.	Maintenance and Repairs.	Establishment. 23 per cent. on expenditure.	Establishment. 10 per cent. on direct receipts.	Establishment. 6 per cent. on Irrigation revenue.	Tools and plant.	Total.
Productive.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Godávari delta ..	29,927	2,30,000	58,863	11,000	1,32,060	40,150	5,02,000
Kistna ,, ..	8,976	1,90,000	45,764	5,000	1,06,740	41,520	3,98,000
Pennér anicut ..	1,660	16,140	4,094	80	7,980	46	30,000
Sangam ,, ..	6,338	18,116	5,624	120	12,780	22	43,000
Kurnool-Cuddapah canal	11,353	76,500	20,322	900	4,980	2,445	1,17,000
Barur tank ..	..	3,000	690	..	600	..	4,290
Cauvery delta ..	27,025	— 25,634	90	488	77,100	—1,069	78,000
Srívaikuntham anicut.	4,561	6,792	2,612	112	6,360	— 77	20,360
Protective.							
Rushikulya project ..	..	10,000	2,300	..	..	50	12,350
Total ..	90,340	5,24,914	1,40,359	17,700	3,48,600	83,087	12,05,000

(*c*) In the schedule of demands embodied in Proceedings of the Madras Government, No. 1044 I., dated 10th December 1892, the current year's budget estimate of Irrigation revenue was adopted for the purpose of calculating establishment charges at 6 per cent. on Irrigation revenue. The estimate of this revenue for next year subsequently received from the Board of Revenue showed an increase of Rs. 9,70,000 over the budget estimate for the current year, necessitating an increase of Rs. 58,200 in the provision for establishment charge at 6 per cent. This amount has been provided by reducing the grants entered in the schedule of demands chiefly for "Extensions and Improvements." The amount required for the Cauvery delta system under "Maintenance and repairs" is Rs. 25,634 less than the old maintenance charges provided for under 43. Minor Works and Navigation.

(*d*) The subjoined statement shows the amounts applied for and those provided under "Extensions and Improvements," "Maintenance and Repairs" and "Tools and plant" for each division for 1893–94 :—

System.	Division.	Extensions and Improvements. Amount applied for.	Extensions and Improvements. Amount provided.	Maintenance and Repairs. Amount applied for.	Maintenance and Repairs. Amount provided.	Tools and Plant. Amount applied for.	Tools and Plant. Amount provided.
1	2	3	4	5	6	7	8
	Productive.	RS.	RS.	RS.	RS.	RS.	RS.
Godávari delta ..	Eastern	12,000	12,000	75,000	75,000	35,000	35,000
	Western	25,000	17,927	1,55,000	1,55,000	5,500	5,150
	Total ..	37,000	29,927	2,30,000	2,30,000	40,500	40,150
Kistna delta ..	Eastern	6,000	4,000	75,000	70,000	37,000	37,000
	Gudiváda	4,000	3,000	40,000	40,000	500	500
	Western	3,000	1,976	80,000	80,000	4,000	4,020
	Total ..	13,000	8,976	1,95,000	1,90,000	41,500	41,520
Sangam anicut ..	Nellore	10,000	6,683	30,000	30,000	50	79
	Deduct old maintenance charge	345	345	11,884	11,884	57	57
	Net Total ..	9,655	6,338	18,116	18,116	— 7	22
Pennér anicut ..	Nellore	5,000	5,224	30,000	30,000	..	51
	Deduct old maintenance charge	3,564	3,564	13,860	13,860	5	5
	Net Total ..	1,436	1,660	16,140	16,140	— 5	46
Kurnool-Cuddapah canal.	Kurnool	12,000	11,853	78,000	76,500	2,400	2,445
Barur tank ..	Salem	..	..	3,000	3,000	..	..
Cauvery delta ..	Tanjore	30,000	17,495	40,000	40,000	200	134
	Negapatam	14,060	9,030	30,000	30,000	500	400
	Trichinopoly	500	500	10,000	10,000	..	..
		53,560	27,025	80,000	80,000	700	534
	Deduct old maintenance charge	..	..	1,05,634	1,05,634	1,603	1,603
	Net Total ..	53,560	27,025	— 25,634	— 25,634	— 903	— 1,069
Srívaikuntham anicut.	Tinnevelly	5,850	4,913	12,000	12,000	..	1
	Deduct old maintenance charge	352	352	5,208	5,208	78	78
	Net Total ..	5,498	4,561	6,792	6,792	— 78	— 77
	Protective.						
Rusikulya project ..	Ganjam	..	..	10,000	10,000	..	50
	Total ..	1,32,149	90,340	5,31,414	5,24,914	83,407	83,087

(*e*) Under "Extensions and Improvements" funds have been provided for the following major works.

Cauvery Delta System.

Tanjore Division.

	Rs.
(1) North Rajen voikal, improvements near Marattur anicut ...	4,000
(2) Moodacondanor regulator	2,000
(3) Konacodangal improvements	2,495
Negapatam Division.	
(4) Odamboghyar head sluice	3,000
(5) Rajen voikal and Elavalore head sluices	3,030
	14,525

Srivaikuntham Anicut System.

Tinnevelly Division.

	Rs.
(6) Jib crane for falling shutters, Oppar Odai dam, Korampolam tank	2,913

Estimates for items (5) and (6) have been sanctioned in G.O., No. 1040 I., dated 10th December 1892, and No. 1012 I., dated 30th November 1892, respectively. The Superintending Engineer, V Circle, should see that estimates for the remaining items are submitted without delay.

7. (*a*) *Capital expenditure not charged to revenue.*—The current year's revised estimate is Rs. 2,94,800 more than the budget estimate. The increase represents the additional funds sanctioned by the Government of India for the Periyár project now in rapid progress.

(*b*) The provisional grant of 17 lakhs sanctioned for next year is Rs. 1,05,200 more than the current year's revised estimate and is distributed as shown below :—

—		Land.	Works.	Establishment.	Tools and plant.	Total.
		Rs.	Rs.	Rs.	Rs.	Rs.
Kistna delta ..	Eastern division	7,500	90,500	83,490	..	4,71,000
	Gudivâda ,, ...	5,000	80,000		..	
	Western ,, ...	7,500	1,92,500		4,510	
	Total ..	20,000	3,63,000	83,490	4,510	4,71,000
Sangam anicut, Nellore division		5,500	39,431	9,069	..	54,000
Periyár project.	No. I division	..	6,07,766	1,39,786	51,448	7,99,000
	,, II ,, ...	31,627	2,76,795	63,663	3,915	3,76,000
	Total ..	31,627	8,84,561	2,03,449	55,363	11,75,000
	Grand Total ..	57,127	12,86,992	2,96,008	59,873	17,00,000

In the schedule of demands printed in Proceedings of the Madras Government, No. 1044 I., dated 10th December 1892, it was proposed to provide for next year Rs. 1,50,000 for commencing the improvements to the Kalingaroyen channel for which estimates were sanctioned two years ago. The Government of India, in fixing the provisional grant under this head, remarked in its letter, No. 5 A.I., dated 10th January 1893, printed in Proceedings of the Madras Government, No. 69 I., dated 24th January 1893, that work on this project should not be begun in 1893–94 unless the full requirements of the projects under execution can be met from the provisional grant. It has consequently been decided not to provide any grant for this project, the amount of Rs. 1,05,000 proposed to be assigned to it in G.O., No. 69 I., dated 24th January 1893, being diverted to augment the grant for the Periyár project which is found to be insufficient to meet the requirements.

(*c*) The following statement compares the probable "direct" capital outlay to the end of 1893–94 with the sanctioned estimates for the projects for which funds have been provided for expenditure next year.

—	Sanctioned estimate.	Outlay to end of 1891–92.	Revised estimate, 1892–93.	Budget estimate, 1893–94.	Total.	Balance of estimate.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Kistna delta	1,39,19,784	97,37,639	3,27,377	4,71,000	1,05,36,016	33,83,768
Sangam anicut	31,30,000	29,96,363	26,931	54,000	30,77,294	52,706
Periyár project	54,25,000	37,68,583	12,31,800	11,75,000	61,75,383	— 7,50,383
Total ..	2,24,74,784	1,65,02,585	15,86,108	17,00,000	1,97,88,693	26,86,091

As the sanctioned estimates for works in the No. I Periyár division will be largely exceeded by the grants now proposed to be given, the submission of the revised estimates now under preparation by the Superintendent of Works, No. I Periyár division, should be expedited.

8. *Provincial—Minor Works and Navigation—Direct Receipts.*—No increase is anticipated over the budget estimate of this year in the current year's revised estimate and the budget estimate for the ensuing year.

9. *Provincial—Minor Works and Navigation.*—The current year's revised estimate is Rs. 2,08,750 more than the budget estimate, the increase being due to several works having been carried out for "relief" purposes.

10. The ensuing year's budget estimate is only Rs. 32 lakhs, or Rs. 1,58,750 less than the current year's revised estimate, the Financial Department having curtailed the assignment with reference to the requirements of other services.

11. The assignment of Rs. 32 lakhs has been distributed as shown below :—

	Rs.	Rs.
Minor Works for which Capital and Revenue Accounts are kept—		
Capital Account (see para. 12)	3,50,000	
Revenue ,, (see para. 13)	3,11,000	
		6,61,000
Minor works for which neither Capital nor Revenue Accounts are kept, Public Works Department—		
Old maintenance charges of Major and Minor works for which Capital and Revenue Accounts are kept (see para. 14)	3,64,169	
Ordinary works (see para. 15)	8,80,000	
Tank Restoration works (see para. 16)	5,39,000	
Investigation of Kistna upland projects (see para. 17)	5,831	
		17,89,000
Minor works, Revenue Department (see para. 18)	...	4,00,000
Agricultural works (see para. 19)		3,50,000
Total ...		32,00,000

12. (*a*) *Capital Account.*—The amount proposed for expenditure under this head compares with the sanctioned estimates as shown below :—

—	Amount of estimate.	Outlay to end of 1891–92.	Probable outlay during 1892–93.	Budget estimate for 1893–94.				Total outlay.	Balance.
				Works.	Establishment.	Tools and plant.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Dondapad tank	1,30,000	..	24,675	56,500	11,500	..	68,000	92,675	37,325
Sagilér project ..	2,96,000	..	43,050	40,000	9,200	800	50,000	93,050	2,02,950
Patha Cuddapah tank supply channel	46,000	..	25,090	13,008	2,992	..	16,000	41,090	4,910
Pálár anicut	19,83,750	18,66,959	16,397	26,000	5,980	20	32,000	19,15,356	68,394
Shatiatope anicut ..	26,000	2,826	7,400	12,214	2,286	..	14,500	24,726	1,274
Tirukoilúr anicut ..	36,408	12,687	9,225	6,911	1,589	..	8,500	30,412	5,996
Buckingham canal ..	86,14,000	74,95,371	1,71,795	1,30,732	27,768	2,500	1,61,000	78,28,166	7,85,834
Total ..	1,11,32,158	93,77,843	2,97,632	2,85,365	61,315	3,320	3,50,000	1,00,25,475	11,06,683

(b) A works grant of Rs. 56,500 for the Dondapad tank project and of Rs. 40,000 for the Sugilér project have been provided against Rs. 66,500 and Rs. 50,000 respectively applied for by the Superintending Engineers concerned. The amounts proposed for the Tirukoilúr and Shatiatope anicut systems are intended for replacing the improvements to the Pombay and Morattu channels of the respective systems. The Superintending Engineer, II Circle, applied for a grant of Rs. 1,75,000 for expenditure on works alone of the Buckingham canal, Rs. 1,03,050 being for works in progress and the balance, viz., Rs. 71,950, for works not yet commenced. It has not been found possible to provide a larger grant for the canal than Rs. 1,61,000 including establishment and tools and plant charges, or Rs. 26,000 less than the budget grant of the current year. The Superintending Engineer, IV Circle, applied for a works grant of Rs. 34,660 for expenditure on improvements to the Kávéripák surplus channel of the Pálár anicut system and for fixing screw gearing shutters to the scouring vents of the Pálár anicut. The demand has been reduced to Rs. 26,000 by striking out the provision made by the Superintending Engineer for expenditure on distributaries, the amount applied for being reduced for want of funds.

13. *Revenue Account.*—The following statement shows the amount provided for each system under this head :—

Divisions.	Systems.	Extensions and improvements.	Maintenance and repairs.	Establishment. 23 per cent. on expenditure.	Establishment. 10 per cent. on direct receipts.	Tools and plant.	Total.
		RS.	RS.	RS.	RS.	RS.	RS.
Kurnool	Cumbum tank	5,191	500	1,309	..	..	7,000
Coimbatore ..	Kalingarayen channel ..	500	3,537	928	35	..	5,000
	Thadapally do. ..	500	2,568	692	..	..	3,700
	Arkenkota do. ..	195	2,000	505	..	..	2,700
North Arcot ..	Poiney anicut	10,000	7,037	3,918	45	..	21,000
	Cheyár do.	7,321	15,000	5,134	45	..	27,500
	Pálár do.	8,000	28,000	8,280	60	40	44,380
Chingleput ..	Pálár do.	2,000	7,000	2,070	50	..	11,120
	Chembrambakam tank ..	— 2,283	— 2,104	— 1,009	5	— 109	— 5,500
	Madras water-supply and irrigation extension ..	— 3,600	2,616	— 226	1,220	— 10	..
	Vallur anicut	..	488	112	..	..	600
South Arcot ..	Pelandorai anicut ..	4,148	8,439	2,895	20	— 2	15,500
	Shatiatope do. ..	3,000	7,561	2,429	10	..	13,000
	Tirukoilúr do. ..	2,477	5,000	1,719	4	..	9,200
	Vriddhachalam anicut ..	1,470	3,000	1,028	2	..	5,500
	Mehamattur do. ..	1,000	2,008	692	..	..	3,700
	Lower Coleroon do. ..	2,000	12,000	3,220	57	..	17,277
	Do. do. ..	1,639	3,000	1,067	17	..	5,723
Tanjore	Marudur anicut	2,000	8,504	2,416	80	..	13,000
Tinnevelly ..	Chilka lake canal ..	..	488	112	..	..	600
Ganjam ..	Buckingham do. ..	5,138	70,000	16,362	10,000	2,500	1,04,000
Buckingham canal ..	Vedarniem do. ..	..	4,756	1,094	150	..	6,000
Negapatam ..							
	Total ..	50,696	1,91,338	54,747	11,800	2,419	3,11,000

14. *Old Maintenance Charges.*—The sum provided under this head is that fixed in G.Os., Nos. 395 I. and 484 I., dated 10th July and 4th September 1890, respectively.

15. (*a*) *Ordinary Works.*—The allotments proposed under this head are compared below with the current year's grants :—

	1893-94.	1892-93.
	RS.	RS.
Original works, major	1,36,024	2,54,580
Do. minor (see statement A) ...	1,40,000	96,144
Repairs (see statement A)	4,30,000	4,41,185
Establishment at 23 per cent. on expenditure ...	1,62,386	1,82,202
Do. at 10 per cent. on direct revenue ...	1,000	1,200
Tools and plant at 1½ per cent. on expenditure ...	10,590	11,877
Total ...	8,80,000	9,87,188

Owing to the reduction of the total assignment, the amounts provided for original works, major, and repairs for next year are less than the grants for the current year. The amount provided for minor original works includes a reserve of Rs. 24,000.

(*b*) Under Original Works, Major, funds have been provided for the following sanctioned works :—

Divisions.		Amount provided.
		RS.
Ganjam	1. Godakanalla anicut	2,750
Vizagapatam ...	2. Pulaparthi channel flood embankment ...	1,980
	3. Peddakattu anicut on Kottacota river, reconstruction	1,850
	4. Improvements to Neelanagaram channel.	2,900
	5. Improvements, &c., to Kandi anicut and channel and Venkamakristnasagaram tank	6,000
Godávari Western.	6. Parimpudi Bhimudu tank	4,500
Nellore	7. Karedu tank supply channel	4,000
	8. Pakala old tank	1,000
	9. Kalavakur tank	8,000
	10. Chelakalva left bank and Kota Pimaka tank	16,064
Bellary	11. Roya channel	8,000
	12. Ramasagar channel	1,500
	13. Thoortha channel	1,800
	14. Kampli channel	4,000
Salem	15. Constructing an anicut and improving the channel to supply the Sangambasavam tank	3,000
Coimbatore ...	16. Head sluice to Vangul channel	2,820
	17. Do. to Nerur do.	3,430
	18. Reconstructing an anicut dam on Amarávati river for the supply of Sinapretty channel	1,500
	19. Restoring Kadathur anicut and repairing the escape below the head of the Kadathur channel	3,700
Chingleput ...	20. Kunnavakam tank, constructing two irrigation sluices and a surplus weir ...	2,780
	21. Katturmadugu, constructing a surplus weir across	4,000
	22. Santhavalur tank, constructing a new weir and revetment	6,000
	23. Uttukotai tank, improvements to ...	3,620
	24. Veeranur Hissa tank, constructing a new weir	3,750
	25. Orathur tank, reconstructing weir No. 2.	2,600
Trichinopoly ...	26. Nandiar channel extension	10,000
	27. Vengalam large and small tanks improvements	3,440
	28. Arumbavoor large and small tanks improvements	2,860
	29. Arasangudi Karamuthukulam, reveting a portion of the bund	3,180
	30. Thottiam Chinna voikal, improving dam.	3,000
Madura	31. Paravay tank improvements	2,000
	32. Thondaneri tank improvements	2,000
	33. Chattrapatti anicut extension and constructing head sluice	3,000
Tinnevelly ...	34. Vembakottai Periyakulam improvements.	3,000
	35. Perangeri channel improvements ...	2,000
	Total ...	1,36,024

(*c*) The distribution by divisions of the grants proposed for expenditure on minor original works and repairs is shown in statement A appended to this note.

16. (*a*) *Tank Restoration Works.*—The amount of Rs. 5,39,000 provided for expenditure on tank restoration works has been distributed as shown below :—

—	Investigation.				Execution.						Total.
					Original works.						
	Works.	Establishment.	Tools and plant.	Total.	Major.	Minor.	Repairs.	Establishment.	Tools and plant.	Total.	
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Central office ..	1,510	10,400	500	12,410	..	..	..	..	..	..	12,410
Vizagapatam ..	2,472	1,960	..	4,432	..	3,000	5,000	1,840	120	9,960	14,392
Godâvari Eastern..	..	..	..	..	..	2,000	2,000	920	60	4,980	4,980
Do. Western..	..	..	..	..	..	1,000	3,000	920	60	4,980	4,980
Kistna do. ..	2,352	2,700	..	5,052	..	8,000	20,000	6,440	420	34,860	39,912
Salem	..	..	..	..	..	8,000	20,000	6,440	420	34,860	34,860
North Arcot ..	..	..	..	..	..	20,000	25,000	10,350	675	56,025	56,025
Chingleput ..	..	..	..	..	..	19,778	40,000	13,749	896	74,423	74,423
South Arcot ..	..	..	..	..	13,000	5,000	20,000	8,740	570	47,310	47,310
Negapatam ..	10,488	20,760	..	31,248	..	25,222	30,000	12,701	829	68,752	1,00,000
Madura	3,384	16,030	..	19,414	15,135	20,000	31,165	15,249	994	82,543	1,01,957
Tinnevelly ..	3,624	3,820	..	7,444	9,375	8,000	15,000	7,446	486	40,307	47,751
Total ..	23,830	55,670	500	80,000	37,510	1,20,000	2,11,165	84,795	5,530	4,59,000	5,39,000

(*b*) Funds have been provided for the following sanctioned major original works :—

	Amount provided.
	Rs.
South Arcot—	
Alangal channel improvements	10,000
Pullinellayanur tank and channel improvements	3,000
Madura—	
Panniyur Periakommoi tank and channel, repairing and improving.	5,000
No. 257 Chuttram Puliangulam Periakommoi tank and channel, providing three weirs, &c.	3,745
No. 201. Kullaneri Periakommoi and anicut channel improvements	3,390
No. 69. Anuppanadi Periakommoi and channel, raising and strengthening the tank and channel bunds	3,000
Tinnevelly—	
Srivaikuntham Periyakulam improvements	2,175
Nattampatti Periyakulam do.	1,200
Nedumgulam improvements	2,000
Pudaramkulam do.	2,000
No. 1 Vilvarayankulam tank improvements	2,000
Total ...	37,510

17. *Investigation of Kistna upland projects.*—The sum of Rs. 5,831 provided under this head is distributed as shown below :—

	Rs.
Works	4,831
Establishment	1,000
Total ...	5,831

18. *Minor Works, Revenue Department.*—A sum of Rs. 4 lakhs has been provided for expenditure on Minor Irrigation works, Revenue Department, in accordance with para. 2 of G.O., No. 1254, Revenue, dated 14th December 1892.

19. (*a*) *Agricultural works.*—The distribution of the amount of Rs. 3,50,000 provided for expenditure on agricultural works during next year compares as follows with the current year's grants :—

	1893-94.	1892-93.
	Rs.	Rs.
Orignal works, Major	98,357	68,824
„ Minor	12,000	15,188
Repairs	1,69,000	2,14,709
Establishment at 23 per cent. on expenditure ...	64,252	68,708
„ at 10 per cent. on direct receipts ...	2,200	2,300
Tools and plant, 1⅓ per cent. on expenditure	4,191	4,483
Total ...	3,50,000	3,74,212

Owing to the exigencies of other works the demands made by Superintending Engineers under this head have been considerably reduced.

(*b*) The major original works for which funds have been provided are enumerated in part I of the Budget estimates for "43. Minor Works and Navigation." The distribution of the grants for minor original works and repairs is shown in statement B attached to this note.

LOCAL IRRIGATION CESS FUND—MINOR WORKS AND NAVIGATION EXPENDITURE.

20. The current year's revised estimate is Rs. 9,000 less than the budget estimate, a reduction due to a re-apportionment of expenditure between provincial and local irrigation cess fund having been made. The budget estimate of Rs. 28,000 for next year, which is Rs. 6,000 more than the current year's revised estimate, is distributed as shown below :—

	Rs.	Rs.
Salem Division—		
Cauvery channel		5,000
Bellary Division—	Rs.	
Thoortha channel	10,000	
Ramsagur „	8,000	
Kampli „	5,000	
		23,000
Total ...		28,000

The Superintending Engineers, III and IV Circles, should see that early arrangements are made for utilizing fully the grants from this fund.

GENERAL.

21. The total grant for works and repairs under all heads and the contribution to "45. Civil Works" on account of establishment and tools and plant charges are as shown below :—

	1893-94.	1892-93.
	Rs.	Rs.
Total grant for works and repairs	48,18,313	49,36,301
Establishment at 23 per cent. on expenditure ...	9,79,509	10,14,132
„ at 10 per cent. on direct receipts.	32,700	33,100
„ at 6 per cent. on Irrigation revenue	5,22,430	4,69,930
„ special, for Tank Restoration and investigation of Kistna upland projects	56,670	49,800
Total establishment ...	15,91,309	15,66,962
Tools and plant at 1⅓ per cent. on expenditure ...	20,311	21,788

A.—Statement showing the proposed grants for Minor Original Works under Rs. 2,500 each and Repairs for 1893–94 under Minor Works for which neither Capital nor Revenue accounts are kept, P.W.D.

	Irrigation revenue for 1891–92.	Grants for 1893–94. Minor Original Works under Rs. 2,500 each.	Repairs.
	RS.	RS.	RS.
Ganjam	92,587	5,000	10,000
Vizagapatam	5,647	4,000	12,000
Godávari Eastern	51,439	2,000	20,000
„ Western		3,000	5,000
Kistna Eastern	31,988	3,000	7,000
Nellore	55,957	9,000	25,000
Cuddapah	1,42,369	9,000	25,000
Kurnool	27,497	2,000	10,000
Bellary	2,21,209	5,000	40,000
Coimbatore	1,63,946	2,500	12,000
Salem	1,06,449	3,500	12,000
West Coast	...	...	2,000
North Arcot	1,20,804	10,000	30,000
Chingleput	2,67,230	20,000	80,000
South Arcot	2,53,241	15,000	50,000
Tanjore	36,959	1,000	1,000
Negapatam		1,000	2,000
Trichinopoly	3,01,340	6,000	25,000
Madura	3,21,898	5,000	20,000
Tinnevelly	3,48,326	6,000	40,000
Periyár No. II		4,000	2,000
Total		1,16,000	4,30,000
Reserve		24,000	...
Total		1,40,000	4,30,000

B.—Statement showing the grants for Minor Original Works below Rs. 2,500 each and Repairs under Agricultaral Works for 1893–94.

	Grants for 1893–94. Minor Original Works below Rs. 2,500 each.	Repairs.
	RS.	RS.
River conservancy—		
Vizagapatam	...	1,000
Godávari Eastern	...	10,000
„ Western	...	10,000
Kistna Eastern	...	2,200
„ Western	...	5,000
Nellore	...	1,000
Cuddapah	...	3,000
Salem	...	800
Coimbatore	1,000	2,000
North Arcot	...	500
South Arcot	500	3,500
Tanjore	...	21,000
Negapatam	2,000	10,000
Trichinopoly	...	8,000
Total	3,500	78,000
River Embankments—		
Ganjam	1,000	5,000
Rushikulya	...	1,000
Vizagapatem	...	2,500
Godávari Eastern	...	7,000
„ Western	1,000	7,000

B.—Statement showing the grants for Minor Original Works below Rs. 2,500 each and Repairs under Agricultural Works for 1893–94—*cont.*

	RS.	RS.
Kistna Eastern	1,000	6,000
„ Western	...	7,000
Nellore	...	3,000
Cuddapah	...	4,000
Coimbatore	500	1,000
South Arcot	500	4,500
Chingleput	500	1,000
Tanjore	500	21,000
Negapatam	...	9,500
Trichinopoly	1,000	8,000
Tinnevelly	1,000	3,000
Total	7,000	90,500
Drianages—		
Tanjore	500	...
Trichinopoly	...	500
Total	500	500
Miscellaneous—		
Salem	150	...
Coimbatore	700	...
Tanjore	150	...
Total	1,000	...
Grand Total	12,000	1,69,000

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
7th February. Ag. Chief Engineer for Irrigation.

To the Acting Joint Secretary to Government,
Public Works Department, Irrigation Branch.

ORDER—dated 9th February 1893, No. 126 I., Public Works.

The budget estimates for "Major Works" and "Minor Works and Navigation" for 1893–94, embodying the revised estimates for 1892–93 as drawn up by the Acting Chief Engineer for Irrigation, are approved and will be submitted to the Government of India. The distribution by divisions of the grants for "Minor Original Works" and "Repairs" proposed by him is also approved.

2. The sum of Rs. 4 lakhs provided for expenditure on repairs to "Minor Works, Revenue Department," during next year will be placed at the disposal of the Board of Revenue for early appropriation to districts.

3. The Superintending Engineer, V Circle, will expedite the submission of estimates for works for which funds have been provided in anticipation of sanction.

4. Ordered that the following letter be sent to the Government of India.

[Here enter No. 127 I., Public Works, dated 9th February 1893.]

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.,
Irrigation Branch.

To the Chief Engineer for Irrigation.
To all Superintending Engineers.
To the Superintendent of Works, No. I Periyár Division.
„ Examiner of Public Works Accounts.
„ Revenue Department.
„ Financial „

Exd. T. K. Narayana Aiyangar.
Spare Copies

IRRIGATION.
ACCOUNT.

Govt. of {1893} Madras.

PUBLIC WORKS.

Dated February, 9th.

Recd. *Encl.*

G.O., 9th Feb. 1893, No. 126 I.

FEBRUARY.

Budget Estimates, Irrigation Branch

Passing orders on the preliminary issue of the — for 1893–94.

GOVERNMENT OF MADRAS.

FINANCIAL DEPARTMENT.

Read—the following papers:—

From the Government of India, Finance and Commerce Department, dated 14th July 1894, No. 3549-A.

From T. W. RAWLINS, Esq., Accountant-General, to the Chief Secretary to Government, dated Fort St. George, 31st July 1894, No. I.B.E.-162.

With reference to your endorsement, No. 1486, dated the 23rd July 1894, on Government of India letter, No. 3549-A., dated 14th July 1894, herewith returned, I have the honour to report that the differences between the grants entered in Government of India No. 1342-A., dated 1st April 1893, and in the preliminary Provincial account of this office for March 1894, are, as shown below, due to subsequent additions and deductions sanctioned by the Government of India which were also, as usual, carried out in the consolidated abstracts and the Civil accounts submitted by this office to the Comptroller-General.

2. The sum of Rs. 4,00,000 shown as the budget grant for "43, Minor Works and Navigation" in charge of Civil officers, was adopted from G.O., Public Works, No. 126-I., dated 9th February 1893.

3. All these were fully explained by foot-notes in my Provincial accounts rendered to you for September 1893 and February 1894.

	Rs.	Rs.
11. Forest—		
Original grant		8,12,000
Deduct—		
As per Government of India, Finance Department, No. 3138-A, dated 22nd July 1893	5,000	
As per Government of India, Finance Department, No. 3150-Ex., dated 22nd July 1893 ..	6,000	
As per Government of India, Finance Department, No. 4798-A., dated 2nd November 1893.	1,000	
		— 12,000
		8,00,000
18. General Administration—		
Original grant		9,48,000
Add—		
As per Government of India, Finance Department, No. 1072-P., dated 28th February 1894		+ 2,000
		9,50,000

		Rs.
20. Police—		
Original grant		43,59,000
Deduct—		
As per Government of India, Finance Department, No. 1072-P., dated 28th February 1894	—	2,000
		43,57,000
21. Marine—		
Original grant		50,000
Add—		
As per Government of India, Marine Department (Finance), No. 606, dated 3rd June 1893	+	12,000
		62,000

Memorandum, dated 13th August 1894, No. 1616.

From T. W. RAWLINS, Esq., Accountant-General, to the Chief Secretary to Government, dated Fort St. George, 30th August 1894, No. I.B.E.-187.

With reference to your official memorandum, No. 1616, dated the 13th August 1894, I have the honour to state that, in accordance with Article 1519 of the Civil Account Code, the budget estimates of the year in question as printed in the estimates of 1894–95 are left untouched, although reappropriations may have been sanctioned by the Government of India or Madras. Any reappropriations or additions sanctioned subsequent to the passing of the original budget estimates are taken into account only in the revised estimate.

2. In connection with the accounts, the practice is different. In order to carry out the provisions of Article 1545 of the Code, the amount actually sanctioned must necessarily be noted in the accounts and accordingly all alterations sanctioned by the Government of India have been entered in the accounts furnished to the Government of India and Comptroller-General. But it has been the practice to omit alterations made by the Madras Government apparently on the ground that they are not communicated by the Madras Government to the Government of India and cannot therefore be verified and they have therefore been also omitted from the Provincial account which is regarded as an extract of the other account. Without the inclusion of all alterations the budget check on expenditure cannot be effective and no distinction will in future be made between alterations made by the Government of India and those made by the Madras Government.

From the Government of India, Finance and Commerce Department, dated 22nd September 1894, No. 4913-A.

Order—dated 31st October 1894, No. 919, Financial.

The foregoing correspondence relates to certain alterations made by the Accountant-General in the column "Budget grant" of the Provincial accounts submitted to this Government. In order to exercise an efficient check over the grants as altered by additional allotments sanctioned from time to time, the Accountant-General has been in the habit of increasing and reducing the grants thus affected, in accordance with Articles 158 and 1545 of the Civil Account Code. Hitherto the additional allotments sanctioned by the Government of India have alone been taken into account by the Accountant-General. He proposes in future to include supplemental grants made by this Government also.

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	Rs.
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Original grant	43,59,000
Deduct—	
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	43,57,000
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Original grant	50,000
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2. The Government is of opinion that it would be more convenient for all purposes if two columns were added to the statement of monthly accounts—one showing the alterations made from time to time, including surrenders as well as supplemental grants, and the other exhibiting the original grants as thus altered. The column "Budget Grant" would then remain untouched as required by section 1519 of the Civil Account Code. The figures in the columns of actuals might, moreover, be rounded to hundreds of rupees.

3. To ensure accuracy in the alterations and to keep Government informed of the progress of expenditure during the year, all Heads of Departments will, in future, submit a formal report whenever they foresee that the original grant of the year is likely either to be exceeded by unforeseen expenses or to be reduced by probable savings. These instructions will not apply to alterations of less than Rs. 5,000.

4. The following letter will be despatched to the Government of India :—

[Here enter No. 920, dated 31st October 1894.]

(True Extract.)

J. F. PRICE,
Chief Secretary.

To the Accountant-General.
,, the Departments of Secretariat.
,, all Heads of Departments.

Exd. A. Raitt.

Govt. of {1894} Madras.

FINANCIAL.

Issued

Recd. *Encl.*

G.O., 31st October 1894, No. 919.

OCTOBER.

Budget Grant.

Passing orders on correspondence relating to certain alterations made by the Accountant-General in the column — of the Provincial accounts submitted to Government.

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Govt. of {1894} Madras.

FINANCIAL.

Issued

Read. Encl.

G.O., 31st October 1894, No. 919.

OCTOBER.

Budget Grant.

Passing orders on correspondence relating to certain alterations made by the Accountant-General in the column — of the Provincial accounts submitted to Government.

Ro: 2970 W. dy 17 Nov 1894

Recorded

(Sd) J.P.W

Ex. P. W. a

C. S. for D

C. S. for Rep.