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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU
 PUBLIC RELATIONS DEPARTMENT

GO No	(5 3)	Press
BP No		Mis
Dated 22 / 11 / 1977		1977

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153/77

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

2nd May 1878, No. 361 I.

Irrigation.
Account.

Read the following paper:—

No. 7. Endorsement of the Chief Engineer for Irrigation, dated 12th April 1878, No. 109 I.

From J. H. LATHAM, Esq., Chief Engineer and Manager of the Madras Irrigation and Canal Company, to the Chief Engineer for Irrigation, dated Kurnool, 1st March 1878, No. 33.

Regular Estimate for Maintenance 1878-79.

On the 29th November 1877 I had the honor to submit to you a budget estimate of the net sum chargeable to Maintenance of the Canal for 1878-79.

2. The following are the figures:—

BUDGET 1878-79.

Gross Estimated Charges 1878-79—

	RS.
General Management	59,302
Conservancy Staff	81,836
Repairs (Special)	33,790

Total ... 1,74,868

Estimated Recoveries 1878-79—

For Staff engaged on construction 26,666

Net balance chargeable to Maintenance 1878-79 1,48,202

3. B. POTT.—I now have the honor to submit the regular estimate of the net expenditure on maintenance for the same year.

REGULAR 1878-79.

Gross Estimated Charges 1878-79—

General management	RS.	59,302
Conservancy staff, upper division	RS.	44,600
Lower " " " " " "	RS.	37,252
Repairs (Special) upper division	RS.	21,860
Lower " " " " " "	RS.	18,050
		39,910
Total ...		1,81,064

Estimated Recoveries 1878-79—

Toordcherla extension	72,100
One-third of this is	24,033
Net balance chargeable to maintenance 1878-79	1,57,031

4. I have the honor to ask the sanction of Government—

- (1.) To the above expenditure, provided the budget estimate be in no item exceeded.
- (2.) To my spending in repairs any saving made in staff, notwithstanding the above provision. This is equivalent to allowing me, if I find it practicable, to do more work by contract and less by monthly paid men.
- (3.) To my temporary use of Rupees 90,000 Capital funds, if necessary, to enable me to meet expenses of maintenance from the opening of the canal for supply of water to Government for irrigation, in June or July, until I receive the payment for the water so supplied to crops. The irrigation commences in June, and has to be carried on until March, more or less, until the Government pay the Company for the water so used. Capital funds are properly available for this purpose, and I know of no other means ever employed for such a purpose. In the case of this Company it might have been unobjectionable for the Government to pay, for the water used, an estimated monthly sum from 1st July to 31st December, for the water for that half-year; the sum to be adjusted at settlement; but this may be technically what in law would be called an "advance" to the Company, and all advance is prohibited by the Secretary of State's order. Whatever sum should be thus used, from capital, for working the canal pending payment for the water delivered, would be recovered from the money paid to the Company by the Collectors for the water so delivered. This, for the half-year's irrigation of July to December, is due on the 31st December, but delay necessarily occurs; for instance, this year the money has not been paid the Company yet, the Company's demand have been sent in for the 31st December, but nothing has been yet paid upon them. Any small balance could be adjusted at the settlement between the Government and Company, which is made annually in the dry season.

5. I therefore ask to be allowed to maintain the canal, from the time of its opening to the time of first payment being completed, by the use of capital money. As this first payment comes in from the Collectors, it will be available only for repaying to capital the capital sum so used, until that is repaid. The settlement intended to be held about December was found impracticable according to the letter of the Water-rate Rules, and is really made one of account, an approximation only, and time all will be adjusted and all balances paid. I also ask to make a similar use of capital at any time between the sending in by the Company to Government of a demand or bill for money due and such time as Government pay it, provided the sum so used do not exceed the amount of the demand or bill. This will enable me to meet the cost of monthly irrigation for January to June.

MADRAS IRRIGATION AND CANAL COMPANY.

COMPARATIVE Statement showing the Differences between the Regular Estimates of 1877-78 and those of 1878-79.

Items.	As per Estimate of 1877-78.	As per Estimate of 1878-79.	DIFFERENCE BETWEEN COLUMNS 2 AND 3.		Sheet of Details.	Remarks.
			Increase.	Decrease.		
CAPITAL ACCOUNT.	RS.	RS.	RS.	RS.		RS.
Agency and Engineering Establishment.	533	A 24,033	23,500	..	1	A Of this General Management .. 8,011
Upper Division.						Conservancy Establishment .. 16,022
General works on Main Canal ..	1,000	54,000	53,000	..	2	Total .. 24,033
Distribution channels ..	600	18,100	17,500	..		
Total Capital ..	2,133	96,133	94,000	..		
REVENUE ACCOUNT.						
Proportion or share of General Management.	59,320	C 51,231	971	..	1	B General Management .. 59,302
						Deduct recoveries .. 8,011
						Balance, Total .. 51,291
Upper Division.						
Conservancy Staff including contingencies.	42,285	C 28,578	..	13,707	3	C Total Conservancy .. 44,600
Repairs of Main Canal ..	14,000	17,320	3,320	..	4	Deduct Recoveries .. 16,022
Do. of Distribution Works ..	6,000	3,450	..	2,550	5	Balance, Total .. 28,578
Do. of Buildings ..	1,000	900	..	100	6	
Do. of Telegraph ..	100	100	..	..	7	
Total ..	63,385	50,438	12,947	16,567		
Lower Division.						
Conservancy staff including contingencies.	35,092	37,252	1,560	..	8	
Repairs of Main Canal ..	8,000	9,450	1,450	..	9	
Do. of Distribution Works ..	2,000	7,400	5,400	..	10	
Do. of Buildings ..	300	1,200	900	..	11	
Total ..	45,392	55,302	9,910	..		
Grand Total of Revenue ..	1,59,697	1,57,031	2,666	16,567		

DETAIL.

REGULAR Estimate of General Management for 1878-79.

Office.	Number.	Salary.			Allowance.			Total.			Annual Total.		
		RS.	A.	P.	RS.	A.	P.	RS.	A.	P.	RS.	A.	P.
<i>Chief Engineer and Manager's Office.</i>													
Chief Engineer and Manager ..	1	2,500	0	0	200	0	0	2,700	0	0			
Chief Clerk and Clerks ..	4	200	0	0	..	..	..	200	0	0			
Draughtsmen ..	2	70	0	0	..	..	..	70	0	0			
Peons ..	5	35	0	0	..	..	..	35	0	0			
Chairmen ..	4	28	0	0	..	..	..	28	0	0			
Sweeper ..	1	2	0	0	..	..	..	2	0	0			
Monthly Total ..	..	2,835	0	0	200	0	0	3,035	0	0			
Annual do. ..	..	..	..	..	..	..	..	..	..	..	36,420	0	0

REVENUE Estimate of General Management for 1878-79—(Continued).

Office.	Number.	Salary.	Allowance.	Total.	Annual Total.
<i>Chief Accountant's Office.</i>					
Chief Accountant ...	1	RS. 280 0 0	...	280 0 0	RS. 280 0 0
Clerks ...	5	270 0 0	...	270 0 0	1,350 0 0
Peons ...	3	21 0 0	...	21 0 0	63 0 0
Inspector ...	1	2 8 0	...	2 8 0	27 2 4
Monthly Total ...	...	573 8 0	...	573 8 0	6,882 0 0
Annual do. ...	...	...	...	...	...
<i>Medical.</i>					
Consulting Surgeon ...	1	50 0 0	...	50 0 0	600 0 0
Doctors ...	3	80 0 0	20 0 0	100 0 0	1,200 0 0
Monthly Total ...	...	130 0 0	20 0 0	150 0 0	1,800 0 0
Annual do. ...	...	...	...	...	...
<i>Stores.</i>					
Store-keepers ...	4	200 0 0	...	200 0 0	2,400 0 0
Store Inspectors and Watchmen ...	15	100 0 0	...	100 0 0	1,200 0 0
Monthly Total ...	...	300 0 0	...	300 0 0	3,600 0 0
Annual do. ...	...	...	...	...	...
Temporary hands ...	...	...	...	...	48,702 0 0
Contingencies ...	...	...	...	...	600 0 0
Grand Annual Total ...	...	...	...	...	59,302 0 0

Capital Revenue	...	...	...	...	...
Total	...	...	...	...	59,302

UPPER DIVISION.

Capital Account.

REVENUE Estimate of Cost of Works for Main Supply and Distribution for 1878-79.

Particulars of Work.	Amount of each Work.	Total.
<i>Main Supply.</i>		
Enlarging Main Canal between locks Nos. 1 and 2, 6th section.	54,000	54,000
<i>Distribution.</i>		
Enlarging Tadicherla channel, 6th section	7,550	7,550
Constructing new branches to Tadicherla channel.	10,550	18,100
Grand Total	...	72,100

LIST of Conservancy Staff for Season 1878-79.

Name.	No.	Salary.	Allowance.	Total.
C. H. Wilks, Esq., Divisional Engineer	...	800	150	950
H. E. Maltby, Esq., Assistant do.	...	300	120	420
Chairmen, at Rupees 7 each	8	56	...	56
Surveyors	1	100	40	140
Overseers and Amins	...	500	100	600
Tindals	5	60	...	60
Bankers	179	1,074	...	1,074
Sluice-keepers	15	90	...	90
Surveyors' Chairmen	3	21	...	21
Draughtsman	1	35	...	35
Clerks	...	150	...	150
Signallers	...	40	...	40
Cash Peons	2	14	...	14
Monthly Total	...	3,240	410	3,650
Annual do.	...	...	...	43,800
Temporary hands	...	...	...	200
Contingencies	...	...	...	600
Annual Total	...	...	...	44,600

MAINTENANCE AND REPAIRS.

REGULAR Estimate of Repairs (Special) to be done in 1878-79.

Mileage.	Nature of Work.	Amount of each Work.	Total.
MS. CHS.	MAIN CANAL REPAIRS.	RS. A. P.	RS. A. P.
<i>1st Section.</i>			
...	Sunkesala Head-works, examination and repair after water has fallen	500 0 0	...
2 77	Five chains of puddles	584 11 2	...
3 2		...	...
5 44		2,904 0 0	...
to	Nineteen chains	...	...
5 63	Raising bank from 5th mile 5 chains to 10 chains	293 5 4	...
8 5		...	...
to		...	...
8 10	Filling in road gap	30 0 0	...
8 31		...	...
Total of 1st section			4,312 0 0
<i>2nd Section.</i>			
22 47	Filling in road gap	100 0 0	...
to		...	...
50		...	...
23 47 1/2	Do. do.	12 0 0	...
to		...	...
50		10 0 0	...
27 22	Suddravé wall	150 0 0	...
26 17		30 0 0	...
27 49		299 4 0	...
24 16	No. 13 calingulah	...	...

REGULAR Estimate of Repairs to Buildings to be done in 1878-79.

Particulars.	Quantity.	Rate.	Amount.	Total.
		RS.	RS.	RS.
Soonesula bungalow ...	...	...	50	
Hindry Office, &c. ...	...	...	50	
Upper Division Office ...	...	...	15	
Fooder bungalow ...	...	...	15	
Ullur do. ...	...	...	16	
Pagadial do. ...	...	...	25	
Jupaud do. ...	...	...	50	
Lookinsula do. ...	...	...	25	
Velapanur do. ...	...	...	50	
Jutar do. ...	...	...	25	
				315
<i>Bankers' Huts.</i>				
	NO.			
1st, 2nd, and 3rd sections ...	12	10	120	
4th and 5th do. ...	7	10	70	
6th section ...	14	10	140	
7th do. ...	3	15	45	
				375
Total ...	...	...	...	690

Abstract to accompany Regular Estimate of Repairs to be done in 1878-79.

Particulars.	Amount.
<i>Main Canal Repairs.</i>	
1st section ...	RS. A. P.
2nd do. ...	4,312 0 6
3rd do. ...	1,335 0 10
4th do. ...	2,034 0 9
5th do. ...	3,276 6 0
6th do. ...	2,124 8 6
7th do. ...	2,720 0 0
	986 4 0
Contingencies at about 5 per cent. ...	16,788 4 7
	831 11 5
Total of main canal repairs ...	17,620 0 0
Total of buildings ...	690 0 0
Total of distribution ...	3,450 0 0
Repairs to telegraph line between Soonesula and Kurnool.	100 0 0
Conservancy establishment ...	44,600 0 0
Grand Total ...	66,460 0 0

LOWER DIVISION.

List of Conservancy Staff for Season 1878-79.

Names.	No.	Salary.	Allowance.	Total.
		RS.	RS.	RS.
J. O. Dunphy, Esq., Conservancy Engineer ...	...	450	150	600
A. L. Dunphy, Esq., Assistant Engineer ...	...	300	120	420
Chainmen to Engineers ...	8	56	...	56
Surveyors ...	2	150	60	210
Overseers and Amins ...	16	400	100	500
Tindals ...	3	40	...	40
Bankers ...	153	906	...	906
Sluice-keepers ...	9	54	...	54
Surveyors' Chainmen ...	6	42	...	42
Accountant and Clerks ...	5	160	...	160
Draughtsman ...	1	35	...	35
Cash Peons ...	3	21	...	21
Sweeper ...	1	2	...	2
Monthly Total ...	...	2,616	430	3,046
Annual do. ...	...	...	...	36,552
Temporary hands ...	...	...	...	100
Contingencies ...	...	...	...	600
Annual Total ...	...	...	...	37,252

MAINTENANCE AND REPAIRS.

REGULAR Estimate of Repairs to be done in 1878-79.

Name of Work.	Amount.
<i>Main Canal Repairs.</i>	
8th section ...	RS.
9th do. ...	2,400
Pennair ancient ...	2,600
10th section ...	1,000
	3,000
Contingencies at 5 per cent. ..	9,000
	450
Total ...	9,450

REGULAR Estimate of Repairs to Distribution to be done in 1878-79.

Particulars.	Amount.	Remarks.
<i>Distribution Repairs.</i>		
8th section ...	RS.	
9th do. ...	4,000	
10th do. ...	2,000	
	800	
Total ...	490	

MAINTENANCE AND REPAIRS.

REGULAR Estimate of Repairs to Buildings to be done in 1878-79.

Particulars.	Amount.	Remarks.
<i>Repairs of Buildings.</i>	RS.	
8th section, Yalloor bungalow ...	200	
Do., Chintacunta do. ...	300	
9th section, Dhoor do. ...	120	
Do., Store shed ...	40	
10th section, Adimayapally bungalow	60	
Do., Overseers' houses, Tindals' huts, and Sluice-keepers' huts ...	480	
Total ...	1,200	

ABSTRACT to accompany Regular Estimate of Repairs for 1878-79.

Particulars.	Amount.	Remarks.
<i>Main Canal, Repairs.</i>	RS.	
8th section ...	2,400	
9th do. ...	2,000	
Pennair anicut ...	1,000	
10th section ...	3,000	
	9,000	
Contingencies at 5 per cent. ...	450	
Total of Main Canal repairs ...	9,450	
Total of repairs of buildings ...	1,200	
Total of repairs of distribution ...	7,400	
Conservancy Establishment ...	37,252	
Total ...	53,902	

Kurnool,
1st March 1878.(Signed) J. H. LATHAM,
Chief Engineer and Manager.

SUBMITTED for the consideration of Government. The disposal of this letter has been delayed until the budget estimates had been completed, and the latter had to be revised in connection with the sanction of the navigation estimates, which took place after the budget had been prepared.

2. What Mr. Latham terms in this letter the regular estimate of 1878 is not the regular estimate which is prepared after the first-half of the year has expired, and is based upon the actuals of the half-year, but a revised estimate of expenditure made out before the commencement of the year.

3. This revised estimate takes no account of navigation expenditure, which will alter very materially the distribution of establishment charges, and will reduce greatly the debit on that account to Revenue. What the capital outlay on navigation in 1878-79 will be has not been, and perhaps could not at present be, estimated by the Chief Engineer and Manager, but this circumstance need not prevent the sanction of the establishment charges as a whole, leaving their distribution to be settled under

the rules in due course. In preparing the Budget Estimates the probable expenditure on navigation had to be assumed in this office in order to save delay and to make these estimates more approximately correct than they would otherwise have been, and the navigation outlay was taken as on works ... Rs. 1,59,548

The only other contemplated capital outlay is on the extension of irrigation under the Tudicherla channel, viz.:—

Main-supply, 6th section ...	54,000	
Distribution ...	18,100	
		72,100
Total Capital ...		2,31,648

4. Mr. Latham estimates the outlay on revenue works at—

Upper division ...	RS.	21,860
Lower do. ...	RS.	18,050
		39,910

He terms them special repairs, but they are rather particular repairs in contradistinction to general repairs which are executed usually by the monthly paid labor.

5. The proposed establishment charges are—

General management ...	RS.	59,302
Conservancy staff, upper division ...	44,600	
Do. lower do. ...	37,252	
		81,852
Total ...		1,41,154

There are some small differences between the provision for 1877-78 and 1878-79, among which may be mentioned an increase of Rupees 50 per month for each of the two Assistant Engineers, contingent on their passing an examination in the Vernacular. The establishment estimate is recommended for sanction. One-third of the capital outlay on works will be chargeable to capital for share of establishment charges, and one-third of the sum so determined is debitable to general management, and the remainder to executive establishment.

6. Mr. Latham asks permission to spend on repairs any saving made in staff. There is no objection to this; but, as the saving in staff chargeable to Revenue will depend upon capital outlay, it will, it is thought, be better and simpler for the Chief Engineer and Manager to state when sending in his regular estimate (proper) six months hence what the requirements may by that time be found to be.

7. Mr. Latham further asks for permission to meet Revenue charges, temporarily, to the extent of Rupees 90,000 from capital, pending the receipt of the revenue earned by the Company, on the ground that this revenue though ordered to be paid to the Company immediately after the

G.O. No. 2,657, 3rd October 1876.

close of the half-year cannot, in practice, be adjusted until some time afterwards, and he mentions that when his letter was written the revenue earned to the 31st December had not been paid to the Company.

The undersigned has ascertained that the following payments have been subsequently made:—

	RS.	A.	P.	DATE.
Kurnool ...	40,000	0	0	5th March 1878.
Cuddapah ...	38,000	0	0	7th " "
Do. ...	457	8	5	20th " "
Total ...	78,457	8	5	

Mr. Latham's demand statements were sent to the—

Collector of Karnool on the 18th January 1878.

12th February "

and 1st April "

Do. of Cuddapah on the 12th February "

and 18th March "

It is to be noticed that under the arrangements sanctioned in October 1876 the Company receive the revenue due for water a considerable time before it can be realized by Government from the ryots using the water.

The orders of Government on this matter are requested.

(Signed) JOHN MULLINS, Lt.-Col., R.E.,
Chief Engineer for Irrigation.

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

No. 8. ORDER THEREON, 2nd May 1878, No. 361 I.

HIS GRACE the Governor in Council approves of the revised estimates submitted by the Chief Engineer and Manager, Madras Irrigation and Canal Company, for sanction leaving it to the Company to report hereafter the proposed capital outlay on navigation works.

The estimates provide for—

Capital outlay on works exclusive of navigation	RS.
Revenue outlay on works	72,100
Establishment.	
General management	59,302
Conservancy staff	81,852
	1,41,154

2. His Grace in Council considers that, as suggested by the Chief Engineer for Irrigation, it will be better for the Company to revise hereafter the estimate for Revenue works expenditure rather than that any general sanction for the application of establishment savings to such expenditure should be accorded.

3. With reference to Mr. Latham's request to be allowed to make use of capital funds temporarily to meet revenue charges, pending the receipt of revenue earned for water supplied, Government cannot accede to any modification of existing arrangements, which were agreed to by the Chief Engineer and Manager prior to the issue of G.O., No. 2,657, of the 3rd October 1876, and which were designed to place the Company in funds for revenue expenditure at the earliest possible date.

(True Extract.)

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

(True Copy.)

Philip Henry

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

To the Chief Engineer for Irrigation.
" Examiner, Irrigation Company's Accounts.
" Revenue Department.

Encl. E. C. Shunkar.

15 Spars Copies

Ch. E. & H. J. C. G.

20/5

Revenue 1878 Rept
No 2184
IRRIGATION
ACCOUNT

Govt. of (1878) Madrid.
PUBLIC WORKS.

TO THE CHIEF ENGINEER OF IRRIGATION,

Dated May 20th

No 204

G. O., 2nd May 1878, No 361

MAY.

Nos. 7-8.

No 1259

Communicated to the
Board of Revenue

22nd May 1878

Remitted Estimate of Expenditure for 1878-79,
Madrid Irrigation and Canal Company—
Passing orders on the Note of the Chief
Engineer for Irrigation forwarding the
and with reference to advances from capital
and revenue apply