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MADRAS RECORD OFFICE.

Government of Madras.

DEPARTMENT.

G.O. No. 780-781

Press
Mis.

Dated 7/11/57

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
7th March 1877. No. 781.*

No. 159. Read the following letter from Lieutenant-Colonel J. MULLINS, R.E., Chief Engineer for Irrigation, to the Secretary to Government, Public Works Department, dated Fort St. George, 1st March 1877, No. 130—W :—

I HAVE the honor to submit herewith the Budget Estimate of the Madras Irrigation and Canal Company for 1877-78.

2. Under the Orders of Government noted in the margin, the system of making advances to the Company, irrespective of the earnings of the canal, for the purpose of enabling them to meet the working expenses, ceased on the 30th of September last, and it has been ruled that such payments are to be limited to the *bona fide* demand for water supplied, or to such portion of it as may remain after reasonable deduction for differences of estimate between the Revenue Officers of the Government and those of the Company, and to the recoupment of sums realized on Miscellaneous Account by the Company's Officers and paid into the Government Treasury. The payments are to be made monthly, or as often as may be required after the demand statement has been received.

G.O. No. 1,296, dated 23rd May 1876.
" " 2,657, " 3rd Oct. "

3. A Revenue Account in the form contemplated by the Contract of 1863 between the Government and the Company, and modified by that of 1866, has therefore to be kept henceforth, and the original Revenue Advance Account must be closed. The debit against the Company on the 30th September as per the last mentioned account is estimated at Rupees 4,63,504-12-10. See Statement III of Budget Estimate.

4. It is evident that, under the arrangement now brought into operation, the State may have to supply funds during any year in excess of collections made or receipts realized during that year, and, on the other hand, a reduction of the amount of earnings in one year as compared with the previous year would probably result in the receipt into the treasury by collections of an amount in excess of the payment to the Company on account of their demand.

The actual demand for 1876-77 is estimated at Rupees 1,85,000. That for 1877-78 is estimated at Rupees 1,18,000, and the collections in 1877-78 should apparently exceed the sum which will have to be paid to the Company during that year. The estimate of collections for Cuddapah is only Rupees 12,000, for Kurnool no statement has been received from the Collector. If provision has simply to be made in the Budget for any excess of payments for earnings over collections it will be necessary for the Revenue Officers to furnish this office with careful estimates of such collections. Those now supplied have been based on the data of previous year, and are not suited to the present exceptional season. Under the actual circumstances it has to be noted that payments to the Company by Government will probably be made in 1877-78 to the amount of Rupees 1,18,000 for water supplied and miscellaneous collections by the Company's Officers paid into the treasury.

5. The estimated outlay on the establishment of control and for compensation for land amounts to Rupees 8,698 as follows :—

	Budget, 1877-78.	Budget, 1876-77.
	RS.	RS.
Establishment	5,698	6,508
Compensation for land	3,000	4,000
Total ...	8,698	10,508

*Proceedings of the Madras Government, Public Works Department,
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6. The outlay from Loan Capital is estimated by the Chief Engineer and Manager as follows.—

	1877-78.	1876-77.
	RS.	RS.
Agency and Engineering Establishment ...	533	7,677
General Works on Main Canal ...	1,000	20,880
Distribution ...	600	1,250
Buildings ...	...	900
Total ...	2,133	30,707

The balance of capital available was about Rupees 61,804 at the close of the calendar year.

7. The estimate of revenue expenditure amounts to Rupees 1,43,625 as shown below:—

	1877-78.	1876-77.
	RS.	RS.
Share of General Management ..	46,928	41,061
Conservancy Staff, Upper Division ...	36,593	41,460
Do. do. Lower do. ...	28,704	41,976
Repairs to Main Canal ...	22,000	23,827
Do. Distribution Works ...	8,000	5,624
Do. Buildings ...	1,300	1,549
Do. Telegraph ...	100	100
Total ...	1,43,625	1,55,597

8. The irrigation of the land under the canal is at present carried on under very abnormal circumstances. The scarcity in the Kurnool and Cuddapah Districts amounting to famine has given a most powerful impetus to cultivation where water amounting to famine has given a most powerful impetus to cultivation where water was available. The Company's demand for water supplied for the season ending 31st December will probably amount to, as already stated in paragraph 4, Rs. 1,85,000, and a repetition of the failure of rain in the next monsoon would result in a larger demand. Under all the circumstances it has been thought proper to estimate the demand for the season ending 31st December 1877 at Rupees 1,18,000, or two-thirds of that of the current year.

The actual receipts into the treasury will probably amount to Rupees 1,25,000. The demand estimated for 1877-78 is detailed below:—

	ACRES.	RS.
Kurnool ...	28,745	78,666
Cuddapah ...	19,163	39,334
	47,908	1,18,000

No. 160.

ORDER THEREON, 7th March 1877, No. 780.

IRRIGATION, No. 15.

Account.

WITH the foregoing letter the Chief Engineer for Irrigation submits the Regular Estimate of the Madras Irrigation and Canal Company for the year 1876-77, and the Budget Estimate for 1877-78.

*Proceedings of the Madras Government, Public Works Department,
7th March 1877. No. 781.*

2. The Budget Estimate of State expenditure for 1877-78 is as follows:—

	RS.
Establishment ...	5,698
Compensation for land ...	3,000

The charges on account of establishment for 1877-78 are Rupees 810 less than for 1876-77. The decrease is owing to the arrangements ordered to be carried out in G.O., No. 2,145, dated 16th August 1876, under which the monthly expenditure was reduced by Rupees 67½.

3. The provision for land compensation is Rupees 1,000 less than that of the current year.

4. No amount has been provided for 1877-78 on account of excess of working expenses over gross receipts into Treasury, as has been done in the Budgets of the current and preceding years, as under the orders noted in the margin advances to cover such deficits have been discontinued. G.O., No. 1,296, dated 23rd May 1876.

The Chief Engineer for Irrigation estimates that for 1877-78 the earnings will amount to Rupees 1,18,000, and the gross receipts into treasury on account of the canal to Rupees 1,25,000, or Rupees 7,000 in excess of the amount to be disbursed by Government.

5. The Chief Engineer for Irrigation will be informed with reference to the latter part of paragraph 4 of his letter that, in future, provision will have to be made in the Budget for any excess of payments for earnings over collections, and the Collectors of Kurnool and Cuddapah will be called upon, through the Revenue Department, to furnish that Officer annually with careful estimates of such collections. These estimates should reach the Chief Engineer for Irrigation by the end of December in each year.

6. The estimate of expenditure on capital account, which is as follows,

	RS.
Agency and Engineering Establishment ...	533
Works on Main Canal ...	1,000
Distribution ...	600
Total	2,133

is approved, and will be met from the balance of capital in the hands of the Company, which is reported to have amounted to about Rupees 61,804 at the close of the calendar year 1876.

Ordered that these Statements be forwarded to the Government of India.

(True Extract.)

(Signed) JOHN MULLINS, Lieut.-Colonel, R.E.,
Secretary to Government, P.W.D.

DOCKET No. 781, dated 7th March 1877.

COPY of the above forwarded to the Government of India.

(True Extract.)

Lieut.-Colonel, R.E.,

Secretary to Government, P.W.D.

Exd. S T. Austin.

Spare Copies

Statement

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STATEMENT IV.
Regular Estimate of Collections on account of Revenue for 1876-77, and Budget Estimate of Collections for 1877-78.

Districts.	REGULAR ESTIMATE FOR 1876-77.			Probable collections during 1877-78.
	Amount collected from 1st April to 30th September 1876.	Probable collections from 1st October 1876 to 31st March 1877.	Total of column 2 and 3.	
1	2	3	4	5
	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.
Kurnool	11,966 2 7	15,000 0 0	26,996 2 7	12,000 0 0
Cuddapah	26,897 3 9	3,000 0 0	29,897 3 9	...
Total ...	38,893 6 4	18,000 0 0	56,893 6 4	...

STATEMENT V.
Abstract Estimate Comparative of Outlay on Revenue Account with Revenue earned by Company for 1876-77 and 1877-78.

	GROSS EARNINGS.			WORKING EXPENSES.			BALANCE.			PERCENTAGE OF WORKING EXPENSES ON REVENUE.		
	1876-77.			1876-77.			1876-77.			1876-77.		
	1877-78.	Budget Esti- mate.	Regular Esti- mate.	1877-78.	Budget Esti- mate.	Regular Esti- mate.	1877-78.	Budget Esti- mate.	Regular Esti- mate.	1877-78.	Budget Esti- mate.	Regular Esti- mate.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.			
Main Canal from Soonkasala to the Pennair ..	1,18,000	75,000	1,85,000	1,43,625	1,55,597	1,56,450	25,625	80,597	28,550	121.7	207.5	84.6

STATEMENT VI.
ESTIMATE OF STATE OUTLAY.
Detail of Controlling Establishment.

NUMBER.	PARTICULARS.	SALARY OF OFFICE.	ESTIMATE OF 1877-78.			BUDGET ESTIMATE OF 1876-77 charges per annum.	REGULAR ESTIMATE OF 1876-77.
			PER Mensem.	PER ANNUM.	TOTAL.		
1	Deputation allowance to Head Clerk, office of Chief Engineer for Irrigation...	RS.	RS.	RS.	RS.	RS.	RS.
1	Head Clerk ...	50	50	600	3,798	4,608	4,608
1	Accountant ...	50	50	600			
1	Record-keeper ...	42	42	504			
1	Draughtsman and Estimator ...	50	50	600			
1	Peon ...	40	40	480			
1	Do. ...	8	8	96	3,798	4,608	4,608
1	Accountant ...	7	7	84			
1	Peon ...	62½	62½	750			
		7	7	84			
	Travelling allowance and batta for Office Establishment ...				3,798	4,608	4,608
	Office expenses and contingencies ...				700	700	137
					1,200	1,200	1,680
	Total of Controlling Establishment.				5,698	6,608	6,425

* Vide G.O., No. 2,145, dated 16th August 1876.

STATEMENT VII.
Estimate of State Outlay for the purchase of Land.

NUMBER OF ITEM.	PARTICULARS.	AREA IN ACRES.	AMOUNT OF ESTIMATE.	COMPUTED PAYMENT TO 31st MARCH 1877.	ESTIMATE FOR 1876-77.	REGULAR ESTIMATE FOR 1876-77.	ESTIMATE FOR 1877-78.
	Kurnool.			RS.	RS.	RS.	RS.
	Main canal ...	325	Not estimated for the land registers and bills are sanctioned by Government from time to time prior to the transfer of the land.	82,767	3,000	1,726	2,000
	Distribution ...						
	Buildings ...						
	Total ...	325		82,767	3,000	1,726	2,000
	Cuddapah.						
	Main canal ...	150	Not estimated for the land registers and bills are sanctioned by Government from time to time prior to the transfer of the land.	21,020	1,000	1,000	1,000
	Distribution ...						
	Buildings ...						
	Total ...	150		21,020	1,000	1,000	1,000
	Grand total for Kurnool and Cuddapah...	475		1,03,787	4,000	2,726	3,000

Abstract of the Statements VI. and VII.

Controlling Establishment ...	RS.
Outlay for the purchase of land ...	3,000
Total ...	8,698

STATEMENT VIII.
Detail Estimate of Establishments for General Management.

OFFICE.	SANCTIONED SCALE G.O., No. 481, OF 22ND FEBRUARY 1876.				PROPOSED WORKING SCALE FOR 1877-78.			
	NUMBER.	SALARY.	ALLOWANCE.	TOTAL.	NUMBER.	SALARY.	ALLOWANCE.	TOTAL.
Chief Engineer and Manager's Office.		RS.	RS.	RS.		RS.	RS.	RS.
Chief Engineer and Manager ...	1	2,500	200	2,700	1	2,500	200	2,700
Head Clerk ...	1	130	...	130	1	150	...	150
Clerks ...	5	135	...	135	1	15	...	15
Draughtsman ...	1	50	...	50	1	50	...	50
Store Assistant ...	1	70	...	70	1	70	...	70
Store Lascars ...	4	29½	...	29½	4	29½	...	29½
Store Watchmen ...	3	19½	...	19½	3	19½	...	19½
Peons and Chainmen ...	6	42	...	42	8	56	...	56
Sweeper ...	1	2	...	2	1	2	...	2
Consulting Surgeon ...	1	50	...	50	1	50	...	50
Dressers ...	3	80	20	100	3	75	25	100
Contingencies ...	...	140	...	140	...	140	...	140
	27	3,248	220	3,468	25	3,157	225	3,382
Chief Accountant's Office.								
Chief Accountant ...	1	300	...	300	1	250	...	250
Accountant ...	1	110	...	110	1	110	...	110
Examiners ...	2	120	...	120	2	120	...	120
Clerk ...	1	30	...	30	1	30	...	30
Moochee ...	1	10	...	10	1	10	...	10
Peons ...	3	21	...	21	3	21	...	21
Sweeper ...	1	2½	...	2½	1	2½	...	2½
	10	593½	...	593½	10	543½	...	543½
Grand Total, per Mensem ...	...	3,841½	220	4,061½	...	3,700½	225	3,925½
Grand Total, per Annum ...	...	...	...	48,738	...	...	...	47,106

Abstract.. {	* Capital Outlay..	Rs.	178
	Revenue ..	46,928	
	Total Rs. ..	47,106	

KURNOOL,
30th October 1876.

(Signed) J. H. LATHAM,
Chief Engineer and Manager.

STATEMENT IX.

Detail Estimate of Conservancy Establishment.

Office.	SANCTIONED SCALE G.O. No. 431, of 22ND FEBRUARY 1876.				PROPOSED WORKING SCALE FOR 1877-78.			
	Number.	Salary.	Allowance.	Total.	Number.	Salary.	Allowance.	Total.
Upper Division.								
Conservancy Engineers ...	2	1,300	300	1,600	11	800	150	950
Engineer's Chainmen ...	8	56	...	56	4	23	...	23
Overseers ...	...	...	...	...	4	185	60	245
Sub Overseers ...	8	400	100	500	7	99	20	119
Amins ...	...	...	...	...	9	143	10	153
Bankers ...	141	846	...	846	179	1,073	...	1,073
Tindals ...	3	40	...	40	4	50	...	50
Regulating Sluicemen ...	3	43	...	43	15	90	...	90
Surveyors ...	1	100	40	140	1	100	40	140
Surveyor's Chainmen ...	3	21	...	21	3	21	...	21
Accountant and Clerks ...	3	100	...	100	4	125	...	125
Cash Peons ...	2	14	...	14	2	14	...	14
Signallers ...	2	40	...	40	2	45	...	45
Contingencies (Stationery), &c. ...	...	50	...	50	...	25	...	25
Total ...	181	3,015	410	3,455	235	2,799	280	3,079
Lower Division.								
Conservancy Engineers ...	2	1,200	270	1,470	1	450	150	600
Engineer's Chainmen ...	7	40	...	40	4	24	...	24
Overseers ...	...	...	...	...	6	198	85	283
Sub Overseers ...	8	400	100	500	7	120	25	145
Amins ...	...	...	...	...	...	...	...	...
Bankers ...	171	1,026	...	1,026	151	906	...	906
Tindals ...	5	50	...	50	3	30	...	30
Regulating Sluicemen ...	13	78	...	78	9	54	...	54
Surveyors ...	1	100	40	140	1	90	40	130
Surveyor's Chainmen ...	3	21	...	21	3	21	...	21
Accountant and Clerks ...	3	100	...	100	4	120	...	120
Draughtsman ...	...	...	...	...	1	35	...	35
Cash Peons ...	2	14	...	14	2	14	...	14
Contingencies (Stationery), &c. ...	...	50	...	50	...	30	...	30
Total ...	215	3,088	410	3,498	192	2,092	300	2,392
Monthly Grand Total ...	...	6,103	850	6,953	...	4,891	580	5,471
Grand Total, per Annum ...	...	...	...	83,436	...	...	...	*65,652

Abstract .. { * Capital Outlay Rupees.. 355
Revenue " " .. 65,297

Total Rupees.. 65,652

(Signed) J. H. LATHAM,
Chief Engineer and Manager.

KURNOOL,
30th October 1876.

STATEMENT X.

Estimate Expenditure during 1877-78 from Guaranteed and Loan Capital.

Items.	Budget estimated for 1877-78.	Budget estimated for 1876-77.	Regular estimated for 1876-77.
	RS.	RS.	RS.
Main Canal ...	1,000	20,880	20,800
Distribution ...	600	1,250	517
Building ...	533	900	399
Establishment...	...	7,677	7,243
Total ...	2,133	30,707	28,959

KURNOOL,
1st November 1876.

(Signed) J. H. LATHAM,
Chief Engineer and Manager.

STATEMENT XI.

Detail Estimate of Expenditure on Construction Account.

Name of Work.	Amount of Sanctioned Estimate.	Actual Expenditure up to 31st March 1876.	Expenditure from 1st April to 31st August 1876.	Anticipated Expenditure from 1st Sept. to 31st March 1877.	Total of Columns 4 and 5.	Total of Columns 3 and 6.	Probable Expenditure for 1877-78.
1	2	3	4	5	6	7	8
MAIN SUPPLY.							
Anicut and head works at Kurnool ..	3,03,050 0 0	60,731 1 3	..	..	..	60,731 1 3	..
Do. at Soonkesala ..	4,89,222 0 0	4,77,402 12 0	..	..	..	4,77,402 12 0	..
Do. at Somaswaram ..	1,71,727 1 7	68,130 11 11	42 0 0	53 0 0	100 0 0	68,230 11 11	..
Do. at Adampally ..	4,38,233 1 11	4,35,040 11 4	..	..	..	4,35,040 11 4	..
Aqueduct across the River Hindry ..	2,80,512 5 0	2,80,512 5 0	..	..	..	2,80,512 5 0	..
Canal for one mile from the head sluice of the Kurnool Anicut	65,000 0 0	49,615 0 9	..	..	..	49,615 0 9	..
South Main Canal, 1st Section, 1st to 17 1/2 miles	11,29,593 13 5	11,15,203 7 10	2,870 4 3	8,123 11 9	11,000 0 0	11,26,303 7 10	..
Do., 2nd " 18th to 32nd "	20,15,763 13 2	20,20,316 6 1	..	..	..	20,20,316 6 1	..
Do., 3rd " 32nd to 43rd "	9,83,981 0 10	9,81,561 5 2	..	..	..	9,81,561 5 2	..
Do., 4th " 43rd to 60th "	10,65,577 8 9	9,98,945 9 7	4,442 15 5	4,937 0 7	9,400 0 0	10,08,313 9 7	1,000 0 0
Do., 5th " 61st to 72nd "	8,91,880 1 1	8,91,464 8 3	..	..	..	8,91,464 8 3	..
Do., 6th " 72nd to 91st "	9,46,394 4 8	8,78,157 7 0	..	..	..	8,78,157 7 0	..
Do., 7th " 92nd to 114th "	7,46,063 12 2	6,82,537 0 10	..	..	..	6,82,537 0 10	..
Do., 8th " 115th to 143rd "	8,38,050 1 8	8,38,050 1 8	..	..	..	8,38,050 1 8	..
Do., 9th " 144th to 178th "	9,63,114 8 4	8,09,837 8 4	266 6 2	33 9 10	300 0 0	8,10,157 8 4	..
Do., 10th " 179th to 186th "	2,51,265 11 2	1,96,537 5 2	..	..	..	1,96,537 5 2	..
Total ..	115,94,473 2 9	107,31,098 6 2	7,621 9 10	13,178 6 2	20,800 0 0	107,51,898 6 2	1,000 0 0
Alteration of calingulals, &c. ..	66,530 0 0	39,031 1 2	..	..	..	39,031 1 2	..
Telegraph Line from Soonkesala to Cuddapah ..	72,033 13 0	67,312 9 9	— 6 0	..	— 6 0	67,312 3 9	..
Breach repairs of August 1876 ..	62,410 0 0	54,084 1 7	..	..	..	54,084 1 7	..
DISTRIBUTION.							
Branch Channels and Sluices of 1st Section ..	7,002 15 5	5,727 1 8	..	..	..	5,727 1 8	..
Distribution Works of 2nd " ..	6,000 0 0	6,312 13 6	..	..	..	6,312 13 6	..
Do. of 3rd " ..	11,173 3 0	10,524 1 10	..	..	..	10,524 1 10	..
Do. of 4th " ..	47,101 14 0	34,657 2 9	..	..	..	34,657 2 9	600 0 0
Total ..	71,176 12 5	62,576 13 4	— 6 0	..	— 6 0	62,570 13 4	600 0 0
Constructing a bund across the canal in 45th mile, 4th Section ..	21,076 10 8	10,243 12 8	74 7 6	..	..	10,317 10 4	..
Distribution Works of 6th Section ..	72,833 5 4	44,922 5 1	..	..	..	44,922 5 1	..
Do. of 6th " ..	47,617 9 6	23,004 11 5	..	..	..	23,004 11 5	..
Do. of 7th " ..	61,630 8 8	43,330 10 4	..	..	..	43,330 10 4	..
Do. of 8th " ..	15,017 3 1	13,368 7 11	..	..	..	13,368 7 11	..
Do. of 9th " ..	1,689 0 7	1,454 1 11	..	..	..	1,454 1 11	..
Kurnool Town Water-supply ..	946 9 10	946 9 10	..	..	..	946 9 10	..
Distribution Works at Soonkesala ..	3,43,277 9 1	2,29,492 8 8	517 2 3	..	..	2,30,009 10 11	600 0 0
Total ..	3,43,277 9 1	2,29,492 8 8	517 2 3	..	..	2,30,009 10 11	600 0 0
Buildings.							
Soonkesala Station ..	6,045 10 8	6,045 10 8	..	..	..	6,045 10 8	..
Kurnool Workshop ..	30,612 0 0	17,297 5 1	..	..	..	17,297 5 1	..
Do. Hospital ..	6,118 0 0	4,976 3 9	..	..	..	4,976 3 9	..
Puggadial Station ..	3,977 7 7	3,871 12 8	..	..	..	3,871 12 8	..
Jupaud ..	5,164 10 4	4,533 4 9	..	..	..	4,533 4 9	..
Valapanoor do. ..	2,684 4 5	2,634 4 5	..	..	..	2,634 4 5	..
Aylcor do. ..	612 0 0	204 1 3	..	..	..	204 1 3	..
Yalloor do. ..	1,236 0 0	566 15 4	..	..	..	566 15 4	..
Dhoor do. ..	4,979 7 6	4,972 9 5	..	..	..	4,972 9 5	..
Watchers' Huts ..	3,200 0 0	2,916 8 9	..	..	..	2,916 8 9	..
Kurnool Workshop Latrine ..	143 3 0	141 11 6	..	..	..	141 11 6	..
Overseer's house at Puggadial ..	237 2 0	232 7 2	..	..	..	232 7 2	..
Overseer's and Driver's house at Jupaud ..	576 6 0	457 10 8	..	..	..	457 10 8	..
Overseer's house and store at Valapanoor ..	568 6 0	421 11 9	..	..	..	421 11 9	..
Four Overseer's houses in Lower Division ..	1,100 0 0	700 14 11	..	..	..	1,100 0 0	..
Total ..	1,00,629 9 11	83,353 3 8	63 9 10	345 7 3	399 1 1	83,752 4 9	..
Grand Total ..	122,29,384 2 9	1,12,07,404 15 0	8,191 15 11	13,623 13 5	21,715 13 4	1,12,29,120 12 4	1,600 0 0
ABANDONED BUILDINGS.							
Kurnool Foundry Overseers' Huts, Sheds, and Anicut Office ..	15,654 15 4	15,631 5 1	..	..	..	15,631 5 1	..
Bowansay Station ..	13,333 13 2	12,337 5 7	..	..	..	12,337 5 7	..
Donnapad Station ..	6,331 4 11	6,331 4 11	..	..	..	6,331 4 11	..
Total ..	1,00,629 9 11	83,353 3 8	63 9 10	345 7 3	399 1 1	83,752 4 9	..
Grand Total ..	122,29,384 2 9	1,12,07,404 15 0	8,191 15 11	13,623 13 5	21,715 13 4	1,12,29,120 12 4	1,600 0 0

KURNOOL,
1st November 1876.(Signed) J. H. LATHAM,
Chief Engineer and Manager.

STATEMENT XIII.

Estimate of Area of Land required by the Company in 1877-78.

Name of work for which land is required.	AREA OF LAND UNDER CLASS			
	A.	B.	C.	D.
	<i>Acre.</i>	<i>Acre.</i>	<i>Acre.</i>	<i>Acre.</i>
<i>Main Canal.</i>				
Upper Division ...	...	...	...	...
Lower do. ...	...	...	...	...
<i>Distribution.</i>				
Upper Division ...	325	...	...	...
Lower do. ...	150	...	...	...
Total ...	475	...	...	...

KURNOOL,
30th October 1876.(Signed) J. H. LATHAM,
Chief Engineer and Manager.

STATEMENT XIV.

Estimate of area of land to be irrigated in 1877-78.

Position.	Areas		
	Commanded.	Supplied in 1876-77.	to be Supplied in 1877-78.
	<i>Acre.</i>	<i>Acre.</i>	<i>Acre.</i>
<i>Upper Division.</i>			
First Section ...	1,935	1,500	1,200
Second do. ...	1,080		800
Third do. ...	3,726	5,500	1,000
Fourth do. ...	26,906		4,000
Fifth do. ...	10,332		3,000
Sixth do. ...	58,951	2,800	3,500
Seventh do. ...	28,800	5,000	2,500
<i>Lower Division.</i>			
Eighth Section ...	89,600	15,000	13,022
Ninth do. ...	13,600		
Tenth do. ...	5,600		
Total ...	2,40,530	29,800	29,022

KURNOOL,
1st November 1876.(Signed) J. H. LATHAM,
Chief Engineer and Manager.

Note: Subsequent statements from the Chief Engineer and Manager show that the area supplied in 1876-77 in the Kurnool District will be 43118.38 ^{acres} and the area in the Cuddapah District will, it is expected, be two-thirds of that in Kurnool say 28745 acres.

J. H. L.

Statement

STATEMENT XII.

Detail Estimate of expenditure on Revenue Account.

Item.	Budget for 1876-77.		Actual Expenditure from 1st April to 31st August 1876.		Anticipated Expenditure from 1st September to 31st March 1877.		Total of columns 3 and 4.		Probable Expenditure for 1877-78.	
	Rs.	A. P.	Rs.	A. P.	Rs.	A. P.	Rs.	A. P.	Rs.	A. P.
Proportion or share of charges for GENERAL MANAGEMENT including Contingencies ...	41,061	0 0	18,342	9 10	27,300	0 0	45,642	9 10	46,928	0 0
<i>Main Supply, Conservancy, Staff, &c.</i>										
Upper Division including office contingencies (stationery) ...	41,460	0 0	13,231	13 1	21,000	0 0	34,231	13 1	36,593	0 0
Lower do. ...	41,976	0 0	9,247	6 2	16,800	0 0	26,047	6 2	28,704	0 0
Total ...	83,436	0 0	22,479	3 3	37,800	0 0	60,279	3 3	65,297	0 0
<i>Main Canal Repairs.</i>										
Upper Division ...	16,047	0 0	8,632	13 5	10,000	0 0	18,632	13 5	14,000	0 0
Lower do. ...	7,780	0 0	8,633	8 0	3,000	0 0	11,633	8 0	8,000	0 0
Total ...	23,827	0 0	17,266	5 5	13,000	0 0	30,266	5 5	22,000	0 0
<i>Distribution Repairs.</i>										
Upper Division ...	2,625	0 0	515	2 6	1,500	0 0	2,015	2 6	6,000	0 0
Lower do. ...	2,999	0 0	246	0 9	2,000	0 0	2,246	0 9	2,000	0 0
Total ...	5,624	0 0	761	3 3	3,500	0 0	4,261	3 3	8,000	0 0
<i>Buildings Repairs.</i>										
Upper Division ...	1,050	0 0	547	10 6	200	0 0	747	10 6	1,000	0 0
Lower do. ...	499	0 0	192	1 7	200	0 0	392	1 7	300	0 0
Total ...	1,549	0 0	739	12 1	400	0 0	1,139	12 1	1,300	0 0
<i>Telegraph Repairs.</i>										
Upper Division ...	100	0 0	10	0 2	70	0 0	80	0 2	100	0 0
Lower do. ...	...	...	...	...	...	...	...	...	...	...
Total ...	100	0 0	10	0 2	70	0 0	80	0 2	100	0 0
<i>Storage...</i>										
Upper Division ...	...	...	...	...	...	...	...	...	...	...
Lower do. ...	...	...	...	...	...	...	...	...	...	...
Total ...	...	...	...	...	...	...	...	...	...	...
Grand Total ...	1,55,597	0 0	59,599	2 0	82,070	0 0	1,41,669	2 0	1,43,625	0 0

KURNOOL,
30th October 1876.(Signed) J. H. LATHAM,
Chief Engineer and Manager.

P.W.D.

2 1877

NO-2275

Sp. A. 7th March 1877 J.B. 159

Madras Irrigation and Canal Company.

Budget Estimate of 1877-78.

Contents.

- Statement I. Abstract Statement of outlay and Earnings for 1877-78.
- Statement II. Forecast of Revenue Advance account on the 31st March 1878.
- Statement III. Statement of Earnings and Expenses of the Company to 31st December 1875 and Estimate of Earnings and Expenses from 1st January 1875 to 30th September 1876.
- Statement IV. Regular Estimate of Collections on account of Revenue for 1876-77 and Budget Estimate of Collections for 1877-78.
- Statement V. Abstract Estimate Comparative of outlay on Revenue Account with Revenue earned by Company for 1876-77 and 1877-78.
- Statement VI. Estimate of State outlay. Detail of Controlling Establishment.
- Statement VII. Estimate of State outlay for the purchase of Land.
- Statement VIII. Detail Estimate of Establishments for General Management.
- Statement IX. Detail Estimate of Conservancy Establishment.

Statement

Statement XIV. Estimate of area of land to be irrigated in 1877-78.

Abstract Statement of Outlay and Warnings for 1877-78.

Detail		Outlying		Budget Regular		Budget (Regular)		Actual	
Statement		Heads and sub heads of Account.		Estimate, Estimate		1877-78 1878-79		1875-76	
No.		Account.		1877-78 1878-79		1875-76		1875-76	
I		Capital Outlay		533 7243 6012					
II		Establishment shares of Construction		1600 21716 19678					
		Total Capital Outlay		2133 28959 25690					
XII		Revenue Outlay		46928 45643 42203					
		Establishment (shares of General Management)		98697 96026 135360					
		Repairs including Condensers Staff		143625 141669 177562					
		Total Revenue Outlay		5698 6425 5498					
VI		State Outlay		3000 2726 488					
VII		Controlling Establishment		8698 9151 5986					
		Purchase of Land		15456 179779 209239					
		Total State Outlay							
		Grand Total							

* The earnings for water supplied for irrigation and town supply are credited to the Company from time to time as claimed statements are received. The Miscellaneous Earnings Collected by the Company are credited to them and received into the Treasury. Vols. 9, 10 & 11 December 1876.

Fort St. George
1st March 1877

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19.

Madison Irrigation and Canal Company.
Budget Estimate of 1877-78.
Statement II.

Statement II.
Forecast of Revenue advances account on the 31st. March 1878.

Advances to Company.	Amount.		Receipts into Treasury.	Amount.
Advances to the Madras Irrigation and Canal Company: on Revenue Account from 1 st July 1863 to 31 st September 1876	77,988 1/3		Actual Collections on account of land irrigated and water supply to Karnool and Miscellaneous Revenue receipts on account of Canal from 1 st July 1863 to 31 st March 1876	2,45,052 15 1
Regular Estimate of advances on account of earnings from 1 st October 1876 to 31 st March 1877	1,77,000		Regular Estimate of Collections as above for 1876-77	70,000
Budget Estimate of advances on account of earnings during 1877-78	1,18,000		Budget Estimate of Collections as above for 1877-78	1,25,000
Total	10,74,881 3 3		Balance	44,005 15 1
			Total	10,74,881 3 3

Note. No provision has been made in the Budget of 1877 for the payment to the Company on account of their demand for water supplied during the year; such payments are however practically advanced.

of Fort St. George
1st March 1847

*Madras Irrigation and Canal Company.
Budget Estimate of 1877-78.
Statement III.*

*Statement of Earnings and Expenses of the Company to 31st Dec.
- 1875 and Estimate of Earnings and Expenses from 1st
January to 30th September 1876.*

7.11.77
9.11.77
11.11.77

<i>Half year ending.</i>	<i>Earnings</i>		<i>Expenses</i>		<i>Profit</i>	
	<i>Rs.</i>	<i>a. p.</i>	<i>Rs.</i>	<i>a. p.</i>	<i>Rs.</i>	<i>a. p.</i>
31 st December 1863 —	-	-	1168	3 11	-	-
30 th June — 1864 —	73	6 3	1271	11 2	-	-
31 st December — do —	-	-	1248	8 6	-	-
30 th June — 1865 —	851	15 7	1228	7 1	-	-
31 st December — do —	-	-	1266	15 5	-	-
30 th June — 1866 —	3979	10 7	1086	5 7	2913	5 -
31 st December — do —	57	-	822	7 3	-	-
30 th June — 1867 —	11091	8 11	1993	6 2	9098	2 7
31 st December — do —	-	-	792	10 7	-	-
30 th June — 1868 —	11253	11 7	1028	12 10	10224	14 11
31 st December — do —	68	8 -	775	13 1	-	-
30 th June — 1869 —	12277	7 7	12591	9 -	7685	14 9
31 st December — do —	7	-	2160	7 2	-	-
30 th June — 1870 —	11577	1 1	12893	9 6	-	-
31 st December — do —	13563	3 6	1177	8 2	2185	11 4
30 th June — 1871 —	260	4 10	9074	4 7	-	-
31 st December — do —	293	6 -	31752	10 10	-	-
30 th June — 1872 —	34508	15 -	11216	1 2	-	-
31 st December — do —	518	7 4	44798	11 11	-	-
30 th June — 1873 —	60634	7 -	74277	11 6	-	-
31 st December — do —	624	12 7	67570	6 10	-	-
30 th June — 1874 —	68602	2 11	101991	6 7	-	-
31 st December — do —	1287	3 7	80466	2 11	-	-
30 th June — 1875 —	55839	5 7	110815	2 1	-	-
31 st December — do —	1057	2 10	84733	- 7	-	-
30 th June — 1876 ^(a) —	60485	6 2	69277	13 11	-	-
Quarter ending 30 Sep. 1876 —	376	- 7	44530	15 8	-	-
Estimated net loss to do.	-	-	-	-	-	-
Total to 30 September 1876	349808	4 6	813353	1 4	32308	9 4
Estimated net loss to do.	-	-	-	-	-	-

*a) The Revenue Accounts for these periods have not been published yet, but the figures may be taken as close approximations.
N.B. The Revenue proportion of Home establishment expenses there has not yet been dealt with in the Revenue Accounts of the Company.*

*(Signed) P. Lambert Major R.S.
Superintendent of Irrigation.*

*Madras
5 January
1877*

G. A. J. March 1/18 1877

[Faint handwritten notes and a large table of numbers, possibly a ledger or account book, covering the left page.]

Office of the
Chief Engineer for Irrigation
No. 130-W Fort St. George 1st March 1877.

From,
The Chief Engineer for Irrigation
To, The Secretary to Government
P. W. D.

Sir,

Enclosures 5

I have the honour to submit herewith the Budget Estimate of the Madras Irrigation and Canal Company for 1877-78.

Under the Orders of Government noted in the margin the system of advances to the Company, irrespective of the earnings of the canal, for the purpose of enabling them to meet the working expenses, ceased on the 30th of September last, and it has been ruled that such payments are to be limited to the bona fide demand for water supplied, or to such portion of it as may remain after reasonable

[Marginalia in left margin of right page:]
G.O. No. 1296-dated 23rd May 1876.
2657-11-3rd October 1876. making

reasonable deduction for differences of estimate between the Revenue Officers of the Government and those of the Company, and to the payment of sums realized on miscellaneous account by the Company's Officers and paid into the Government Treasury. The payments are to be made monthly or as often as may be required after the demand statement has been received.

3 A revenue account in the form contemplated by the Contract of 1863 between the Government and the Company and modified by that of 1866 has therefore to be kept running, and the original revenue advance account must be closed. The debit against the Company on the 30th September as per the last mentioned account is estimated at Rs. 1,63,500-12-10. See Statement III of Budgetary estimates.

4 It is evident that under the arrangement now brought into operation, the State may have to supply funds during any year in excess of collections made or receipts realized during that year, and on the other hand, a reduction of the amount of earnings in one year as compared with the previous year would probably result in the receipt into the Treasury by collections of an amount in excess of the payment to the Company on account of their demands.

The actual demand for 1876-77 is estimated at Rs. 1,85,000. That for 1877-78 is estimated at Rs. 1,18,000, and the collections in 1877-78 would apparently exceed the sum which will have to be paid to the Company during that year. The estimate of collections for Guddapah.

is only Rupees 12,000; for Ferozpur no statement has been received from the collector. If provision has simply to be made in the budget for any excess of payments for earnings over collections it will be necessary for the Revenue Officers to furnish this office with careful estimates of such collections. Those now supplied have been based on the data of previous year and are not suited to the present exceptional season. Under the actual circumstances it has to be noted that payments to the Company by Government will probably be made in 1877-78 to the amount of Rupees 11,800 for water supplied and miscellaneous collections by the Company's Officers paid into the Treasury.

5. The estimated outlay on the establishment of control and for compensation for land amounts to
Rupees

Rupees 8698 as follows.

	Budget 1874-75.	Budget 1875-76.
Establishment —	5698	6508
Compensation for land	3000	4000
Total —	8698	10,508

6. The outlay from Loan Capital is estimated by the Chief Engineer and Manager as follows.

	1877-78.	1876-77.
Agency and Engineering Establishment —	533	7677
General works on main canal —	1000	20880
Distribution —	600	1250
Buildings —	"	900
Total —	2133.	30707

The balance of Capital available was about Rupees 61,804 at the close of the Calendar year.

7. The estimate of Revenue expenditure amounts to Rupees 14,3625
as

as shown below:-

	1877-78	1876-77
Share of General income	46,723	41,061
General		
Conservancy Staff etc	36,593	41,460
per Division		
—do — do — do — do	28,701	41,976
Repairs to main Canal	22,000	23,827
— " — Distribution Works	2,000	5,624
— " — Buildings	13 00	15 47
— " — Telegraphs	100	100
Total	143,625	155,547

The irrigation of the land under the Canal is at present carried on under very abnormal circumstances. The scarcity in the Karnool and Buddapah Districts amounting to famine has given most powerful impetus to cultivation where water was available. The Comptroller's demand for water supplied for the season ending 31st December will probably amount to, as already

stated in para 4 Report 185,000, and a repetition of the failure of rain in the next monsoon would result in a larger demand. Under all the circumstances it has been thought proper to estimate the demand for the season ending 31st December 1877 at Rs. 118,000 or $\frac{2}{3}$ of that of the current year.

The actual receipts into the Treasury will probably amount to Rs. 125,000. The demand estimated for 1877-78 is detailed below.

	Actual	Report
Karnool	28,745	48,666
Buddapah	19,163	39,334
	<u>47,908</u>	<u>118,000</u>

Have the honor to be,
Sir,
Your most obedient servant,

Constance

Actg. Dy. Chief Engr. for Irrigation
for Chief Engr. for Irrigation

3rd Oct 1876 No 2657.

16th Aug - 2165.

23rd May - 1296.

Chief Engineer

P.W.D.

21877

2275

Recd 1st March 1877

Encl.

1876-77

Budget Estimate of the P.W.D. for the year 1876-77 and the Budget Estimate for 1877-78.

No 781

Public Works Department.

PROCEEDINGS of the MADRAS GOVERNMENT.

Under date the

Read the following

Letter from the Chief Engineer for Irrigation (No. 21877 of 130 W. of 12 March 1877)

With the foregoing letter to the Chief Engineer for Irrigation submitted the Regular estimate of the Madras Irrigation and Canal Company for the year 1876-77 and the Budget Estimate for 1877-78.

2 The Budget estimate of state expenditure for 1877-78 is as follows.

follows.

Establishment Rs 5698

Compensation
for land } 3000.

The charges on account
of establishment for 1877-78
are Rupees 810 less than
for 1876-77. The decrease
is owing to the arrange-
ments ordered to be carried
out in G. O. No. 2145 dated
16th August 1876 under
which the monthly ex-
penditure was reduced
by Rupees 67½.

3. The provision for
land compensation is
Rupees 1000 less than that
of ^{the} current year.

4. No amount has
been provided for 1877-78
on account of excess of
working expenses over
gross receipts into Treasury.

G. O. No. 1296 dated 23rd
May 1876.

15
as has been done in the
Budgets of the current
and preceding years, as
under the orders noted
in the margin advances
to cover such deficits
have been discontinued.
The Chief Engineer for
Irrigation estimates that
for 1877-78 the earnings
will amount to Rupees
118000, and the gross re-
ceipts into treasury on
account of the Canal to
Rupees 125000 or Rupees
7000 in excess of the amount
to be disbursed by Govern-
ment.

5. The Chief Engineer
for Irrigation will be in-
formed with reference to
the latter part of para-
4 of his letter that in
future

future provisions will have to be made in the Budget for any excess of payments for earnings over collections and the collectors of Flumool and Girda, will be called upon through the Revenue Department to furnish that officer annually with careful estimates of such collections. These estimates should reach the Chief Engineer for Irrigation by the end of December in each year.

6. The estimate of expenditure on Capital account, which is as follows:

Agency and Engineering Establishment 1872-533

Works on main canal - 1000
Distribution 600
Total - 2133

is approved and will be met from the balance of capital in the hands of the Company which is reported to have amounted to about Rs. 6,806 at the closing of the calendar year 1876.

Resolved that these statements be forwarded to the Government of India for their consideration.

[Signature]
1876

25 Copies of Budget - 1876-77 India

25 to S. B. 1876-77
25 to H. B. 1876-77
25 to H. B. 1876-77
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25 to H. B. 1876-77

Supd 21-3-77

2225
Obi. of 1877

PUBLIC WORKS.

To The Chief Eng^r for Ind^a

Dated

Issued

Recd.

Encl.

G. O., 7th March 1877, No. 780781

Nos. 159-160
161

Mr. J. C. Co. The Regular
estimate of the — for the
year 1876-77 and the Budget
estimate for 1877-78, (revised)
forwarded to the Govt of
India

Forwarding Regular
estimate of the Madras Imp.
& Canal Compy for the year
1876-77 and the Budget
for 1877-78.