M.R.O. 1—77,006—8-6-31.

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MADRAS RECORD OFFICE.

Government of Madras.

Public works **DEPARTMENT.**

G.O. No. 3831-32 Press ~~Mis.~~

189-91

Dated 9 12 1868.

Not to be folded or roughly handled

No. 189. Read the following letter from the Consulting Engineer for Irrigation and Canal Company, to the Secretary to Government, Public Works Department, dated Madras, 4th November 1868, No. 83 :—

1. I have the honor to forward the Budget Statements as per margin* for the year 1869-70; their submission has been delayed to enable me to obtain, from the Chief Engineer of the Madras Irrigation and Canal Company, the details which were called for by the Government of India in their Order printed in the Proceedings of the Madras Government of the 4th March 1868, No. 722.

* Part VI. Appendix C. and Statements Nos. 1 to 4, received from Agent.

2. My statements have been prepared upon the information furnished by the Chief Engineer, and a few remarks may be necessary. Under *Construction Main Supply*, Rupees 14,600 are entered as the probable expenditure from July 1st, 1868, to 31st March, 1869, on the 2nd Section, miles 18 to 32, and Rupees 21,300 as the estimated expenditure of 1869-70. I do not think, however, that these expenditures will suffice to place the canal in these miles in a permanently efficient state. Under *Construction Distribution* it will be observed that, against the proposed expenditure of next year, there is at present but a small amount sanctioned. Estimates are, however, under preparation. It will be seen from the Estimate of Irrigation, that it is not expected that distribution channels, below the 1st sub-division of the 4th Section, will be ready in time for the irrigation of next season. I cannot, at present, form an opinion as to the progress likely to be made on distribution works next year, and, therefore, the Chief Engineer's return conveys the best information available.

3. The Chief Engineer estimates that the *area of land* required in the Kurnool District for distribution channels will be 1,358 acres, and for the same purpose, in the Cuddapah District, 714 acres. For sundry purposes the estimated area in Kurnool is 125 acres, and in Cuddapah 150 acres. Mr. Latham's estimate, however, does not include any areas, for the Main Canal, and I find that in the Kurnool District about 26 acres will remain to be provided, and in the Cuddapah District 200 acres, making a total of 1,509 acres in Kurnool, and 1,064 acres in Cuddapah. The amount for compensation has been entered in my statement for these areas at an average of Rupees 12 per acre for Kurnool, and Rupees 17, for Cuddapah. The average price paid in each district for lands taken up prior to and during the current year is shown in the margin.

	Area purchased.	Amount paid.	Average price.
Kurnool.			
Up to March 1868 ...	5,313	58,048	10
From April to July 1868	33	478	14
Cuddapah.			
Up to March 1868 ...	399	6,045	15
From April to July 1868	58	1,134	19

4. The Chief Engineer's Irrigation Estimate shows an area of 3,86,000 acres commanded by the main canal, and he estimates the area to be supplied in 1869-70 at 78,500 acres. It appears to me, however, very improbable that such a development of irrigation would take place in one year, even were all the necessary works ready in time. Looking, therefore, to the present state of the Main Canal, to which a great deal yet remains to be done, and to the very backward state of the distribution works, I think the most favorable estimate of the area to be irrigated, which can reasonably be made is as shown below, and it may be added that even this

reduced area will not be approached, unless water be sent down to the 72nd mile by about the 31st December next, and unless the whole of the seventy-two miles be got into proper working order before the 1st June 1869, and the distribution works be ready for at least twice this area by the same time :—

		Area commanded.	Area supplied this year.	Area to be supplied in 1869-70
1st Section		2,500	1,000	1,800
2nd do.		6,500	500	2,000
3rd do.		11,500	100	2,500
4th do.	1st Sub-Division	14,000	.. ...	5,000
	2nd do.	7,500		
5th do.	N. Bowarassy	30,000	.....	2,000
	S. do.	12,000		700
6th do.		1,00,000	.. ...	...
7th do.		50,000	.....	...
8th do.		50,000	.. ...	1,500
9th do.		1,00,000	....	500
10th do.		2,000	.....	
				16,000

The returns received in this office, from the Collector of Kurnool, up to the month of September 1868, show acres 885-23 as the area for which irrigation had been asked.

The areas commanded, as entered in the statement,* are not reliable as regards the 6th, 7th, 8th, and 9th Sections, and the main canal will, in these sections, when finished, carry water enough for only about 1,02,500 acres, instead of the 3,00,000 shown as commanded.

* Chief Engineer's.

I have put the gross receipts of Revenue as

	Rs.
16,000 acres at 6 Rupees	96,000
Kurnool Town supply	3,000
	99,000

5. The estimated expenditure from Revenue, or, in other words, the working expenses, are put by the Chief Engineer at Rupees 23,334. This may be allowed, I think, to stand, though probably there will be no charges against Revenue in several of the sections enumerated.

6. With regard to the establishment of this office, and to the contemplated alterations in the audit arrangements, I have not as yet been placed in possession of information as to the cost of the staff of Accountants which the Examiner will be likely to require. I can spare one of the two Accountants, and there are two vacant writerships which can also be made available, so that Rupees 80 of the cost of the Examiner's establishment can be met from the existing sanction. The proposed arrangements will of course be reported on as soon as possible, but I have mentioned this point here in case it should be desired to make any entry in the Budget, in anticipation of the orders of Government upon the arrangements, as a whole.

Proceedings Madras Government, No. 2,801, dated 2nd September 1868.

Proceedings of the Madras Government, Public Works Department, 9th December 1868.

7. I would also request sanction for an increase of Rupees 10 a month to the salary of the first Draughtsman in my office, from the commencement of the next official year. He has now been in this office for eight and a half years, on a salary of Rupees 50 ; he is well acquainted with his work, which he does in an attentive and efficient manner, and it would be inconvenient were he to seek for promotion elsewhere. The supply of competent Draughtsman is by no means equal to the demand, and it is more than probable that, were this man to quit my office, there would be much difficulty and delay in supplying his place, and it is of importance that there should be no delay in disposing of the business of this office with the Company.

8. The present expenditure monthly from Guaranteed Capital, which alone is drawn in India, is about Rupees 4,500 ; therefore, if the present arrangement of drawing Loan Capital in England be continued, the sum which will be drawn from Government in India next year will not exceed 55,000 Rupees.

=ures are supplied to make up ... these mile
in a permanently efficient state. Under Construction
distribution

PART VI.

Detail of Estimate of State expenditure on account of the operations of the Madras Irrigation and Canal Company for the year 1869-70.

ABSTRACT.

		Rs.
I.	Establishment	29,000
II.	Purchase of land	36,000
	Total	65,000

I.—CONTROLLING ESTABLISHMENT.

Number. 1868-69.	Number. 1869-70.	Particulars.	Salary of office.	Estimate of 1869-70. Per mensem.	Per annum.	Total.	Estimate 1868-69. Charges per annum.
		Consulting Engineer for the Madras Irrigation and Canal Company.	Rs.	Rs.	Rs.	Rs.	Rs.
1	1	Consulting Engineer	1,000	1,000	12,000	...	16,248
...	..	Military allowance as Captain of Engineers, including Presidency House-rent	354	354	4,248		
1	1	Manager	225	225	2,700		
1	1	Head Accountant	70	70	840		
1	1	Assistant do.	35	35	420		
1	1	Head Writer	50	50	600		
1	1	Writer	25	25	300		
1	1	Do.	20	20	240		
1	1	Draughtsman and Estimator	50	50	600	..	7,254
1	1	Do.	40	40	480		
1	1	Record-keeper	50	50	600		
1	1	Moochee	10½	10½	126		
2	2	Peons	7	14	168		
2	2	Do.	6	12	144		
1	1	Sweeper	3	3	36		
16	16					23,502	23,502
		Travelling allowance and batta for Office Establishment	...	...	...	2,570	2,570
		Office expenses and contingencies	...	...	...	1,200	1,200
		Total of Consulting Engineer's Department	..	...	...	27,272	27,272

1869-70.—(Continued.)

Number. 1868-69.	Number. 1869-70	Particulars.	Salary of office.	Estimate of 1869-70. Per mensem.	Per annum.	Total.	Estimate 1868-69. Charges per annum.
		Establishment engaged in making over land.					
		Cuddapah.	Rs.	Rs.	Rs.	Rs.	Rs.
1	1	Surveyor	120	120	1,440	...	...
4	4	Lascars	6	24	228	...	...
		Total Cuddapah	...	...	...	1,728	1,728
		Kurnool.					
		Nil.	...	...	...	...	...
		Nellore.					
		Nil.	...	...	...	...	...
		Grand Total of the Controlling Establishment	...	...	...	29,000	29,000

Proceedings of the Madras Government, Public Works Department, 9th December 1868.

Detail of Estimate of State expenditure on account of the operations of the Madras Irrigation and Canal Company for the year 1869-70.—(Concluded.)

II.—Purchase of Land.

Number of Item.	Particulars.	Amount of Estimate.	Computed payments to 31st March 1869.	Estimate 1869-70.
		Rs.	Rs.	
	Kurnool.			
	Main Supply.			
	Canal, 8th Section	Not estimated for; the Land Registers and Bills are sanctioned by Government from time to time prior to the transfer of the land.	65,000	312
	Do. 1st Section	Do.		216
	Do. 2nd do.	Do.		480
	Do. 3rd do.	Do.		960
	Do. 4th do.	Do.		1,800
	Do. 5th do.	Do.		3,480
	Do. 6th do.	Do.		8,400
	Do. 7th do.	Do.		480
	Do. 8th do.	Do.		480
	Do. Sundry purposes	Do.		1,500
	Distribution.		65,000	18,108
	Canal, 8th Section	Do.	20,000	1,275
	Do. 9th do.	Do.		2,125
	9th Section	Do.		11,200
	10th do	Do.		238
	Sundry purposes	Do.		2,361
	Total for Kurnool		20,000	17,599
	Cuddapah			
	Main Supply.			
	Distribution.		5,000	35,000
	Total of Cuddapah			
	Grand Total for Kurnool and Cuddapah			

Madras,
9th December 1868.

Colonel, R. E.,
Secretary to Government.

Proceedings of the Madras Government, Public Works Department, 9th December 1868.

APPENDIX C.

Estimated expenditure from Guaranteed and Loan Capital of the Madras Irrigation and Canal Company for 1869-70.

Items.	1869-70.	1868-69.
Main Canal ... ... 14,47,750 Distribution Channels ... ... 3,20,800 Establishments.. ... ... 4,00,000 Electric Telegraph 31,450	22,00,000	16,60,000
Total outlay...	22,00,000	16,60,000
Estimated receipts from sale of Stores, &c., to be credited to Capital.	.....	.....
Total receipts...	.....	.....
Net outlay...	22,00,000	16,60,000

REVENUE ACCOUNT.

	Gross Earnings.		Working Expenses.		Net Revenue.		Per-centage of Working Expenses.	
	1869-70.	1868-69.	1869-70.	1868-69.	1869-70.	1868-69.	1869-70.	1868-69.
Main Canal from Soonkasala to the Pennair	99,000	8,000	23,334	2,500 *	75,666	5,500	23·57	31·25

* No Revenue Accounts have been opened as yet. The amount shown is the sum that will be debitable to Revenue eventually, though at present charged in the Capital Account.

Madras,
9th December 1868.

Colonel, R. E.,
Secretary to Government.

in a permanently efficient state. (And to Construct

No. I.

MADRAS IRRIGATION AND CANAL COMPANY.

Budget-Estimate of the expenditure required on the Construction account in 1869-70.

Names of work.	Amount of sanctioned estimate.	Actual expenditure up to 30th June 1868.	Anticipated expenditure from 1st July 1868 to 31st March 1869.	Total of columns 3 and 4.	Probable expenditure for 1869-70.	Remarks.
1	2	3	4	5	6	7
Main Supply.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	
Anicut and head works at Kurnool...	3,03,080 0 0	60,326 7 8	.....	60,326 7 8	.....	Abandoned —(Initialed J. M.)
Do. do. at Soonkasala ...	4,30,112 0 0	4,53,573 10 0	.....	4,53,573 10 0	.....	Excess expenditure Rupees 23,461-10 0.
Do. do. at Somaiswaram	1,71,727 1 7	71,213 9 0	.....	*71,213 9 0	.....	
Do. do. at Adimapully...	3,00,500 0 0	.....	.....	.....	.....	
Aqueduct across the river Hindry ...	2,46,029 8 0	2,73,385 3 0	68,250 0 0	68,250 0 0	1,93,140 0 0	
Canal for one mile from the head sluice of the Kurnool anicut.	65,000 0 0	49,284 8 3	.....	2,73,385 0 0	.....	
South Main Canal, 1st Section, 17¼ miles.	10,53,857 0 0	9,56,944 3 4	15,600 0 0	49,284 8 3	.....	Do do. Rs. 27,855-11-0.
Do. 2nd do. 18 to 32 miles	18,00,150 0 0	17,39,424 5 2	14,600 0	9,72,544 3 4	22,700 0 0	Abandoned —(Initialed J. M.)
Do. 3rd do. 33 to 43 do.	9,58,000 0 0	8,35,662 4 7	9,200 0	17,54,024 5 2	21,300 0 0	
Do. 4th do. 44 to 60 do.	11,81,704 0 0	8,99,069 0 10	15,600 0	8,44,862 4 7	13,300 0 0	
Do. 5th do. 61 to 72 do.	*7,47,209 0 0	7,08,091 8 6	11,000 0	9,14,669 0 10	22,700 0 0	
Do. 6th do. 73 to 91 do.	†8,01,889 0 0	3,52,549 9 2	2,90,100 0	7,19,091 8 6	16,000 0 0	
Do. 7th do. 92 to 114 do.	‡7,14,493 0 0	2,83,222 2 7	2,47,500 0	6,42,649 9 2	1,59,240 0 0	
Do. 8th do. 115 to 143 do.	§8,83,142 0 0	2,71,627 12 0	1,70,700 0 0	5,30,722 2 7	1,83,770 0 0	
Do. 9th do. 144 to 178 do.	9,45,837 0 0	1,40,827 0 8	3,49,800 0 0	4,42,327 12 0	2,40,000 0 0	
Do. 10th do. 179 to 186 do.	1,92,450 0 0	3,755 15 2	68,250 0 0	4,90,627 0 8	4,55,140 0 0	
Total ...	107,95,173 9 7	70,99,010 3 11	12,60,600 0 0	71,985 15 2	1,20,400 0 0	
				83,59,610 3 11	14,47,750 0 0	

* Includes the amount of an advance, Rs. 33,661.

† Includes amount of an advance Rupees 6,015, and the Superintendental estimate as per Statement Figures, Rupees

‡ Includes the amount of Superintendental estimate, Rupees 2,83,160, and is partially sanctioned.

§ Includes the amount of Superintendental estimate for masonry works, as per Executive Engineer's figures which is underestimated.

Budget-Estimate of the expenditure required on the Construction account in 1869-70.—(Continued)

Names of work.	Amount of sanctioned estimate.	Actual expenditure up to 30th June 1868.	Anticipated expenditure from 1st July 1868 to 31st March 1869.	Total of columns 3 and 4.	Probable expenditure for 1869-70.	Remarks.
1	2	3	4	5	6	7
Distribution.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	
Branch channel and sluice of 1st Section.	6,680 15 5	4,084 6 2	2,596 9 3	6,680 15 5	.....	
Distribution works of the 2nd do...	6,000 0 0	4,405 0 11	1,594 15 1	6,000 0 0	.....	
Do do. 3rd do...	9,320 0 0	4,261 6 5	5,058 9 7	9,320 0 0	.....	
Do. do. 4th do...	28,929 0 0	6,812 12 4	8,000 0 0	14,812 12 4	24,800 0 0	Approximately estimated.
Constructing a bund across the Canal in 45th mile, 4th Section.	76 0 0	72 12 6	.....	72 12 6	.....	
Distribution works of the 5th Section.	4,000 0 0	.....	.....	.....	*66,000 0 0	
Do. do. 6th do ..	10,000 0 0	2,840 7 8	.....	2,840 7 8	1,00,000 0 0	
Do. do. 7th do ..	.....	.....	.....	.....	25,000 0 0	
Do. do. 8th do...	.....	.....	.....	.....	45,000 0 0	
Do. do. 9th do ..	15,125 0 0	.....	.....	.....	60,000 0 0	
Do. do. Soonkasala ..	*1,141 0 0	925 2 6	.....	925 2 6	.....	* Estimate submitted on the 25th January 1867, No 832, and is not yet sanctioned.
Kurnool Town water supply ...	1,699 0 7	1,382 8 7	.....	1,382 8 7	.....	
Total ...	82,971 0 0	24,784 9 1	17,250 1 11	42,034 11 0	3,20,800 0 0	
Buildings.						
Central Hospital with out-houses and compound wall at Kurnool.	5,050 0 0	4,449 9 10	.....	4,449 9 10	.....	
Repairs to do. do	68 0 0	60 0 0	.....	60 0 0	.....	
Overseers' hut at Kurnool	1,244 13 3	.....	.....	.....	.....	
Office and store house and workshop at Soonkasala.	5,947 0 0	5,978 12 8	.....	5,978 12 8	.....	
Powder Magazine Store and Station roads at Bowanassy.	4,359 5 9	4,359 5 9	.....	4,359 5 9	.....	
Office and Store room and Artificers' shed at Bowanassy.	7,297 8 5	7,522 9 0	.....	7,522 9 0	.....	
Repairing the above buildings at do.	648 0 0					
Improvement of road approaching to the above buildings, and repairing culvert at do.	578 0 0	317 14 0	.....	317 14 0	.....	

Names of work.	Amount of sanctioned estimate.	Actual expenditure up to 30th June 1868.	Anticipated expenditure from 1st July 1868 to 31st March 1869.	Total of columns 3 and 4.	Probable expenditure for 1869-70.	Remarks.
1	2	3	4	5	6	7
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
Converting the unfinished building intended for a Gun-Powder Manufactory into a Hospital at do.	427 0 0	19 2 2	.....	19 2 2	.....	
Office and store building at Yalapanoor in the Bowanassy, Division.	1,970 0 0	5,120 6 10	.....	5,120 6 10	.....	Excess expenditure Rs. 3,150-6-10
Do. do. at Jupád in the Nagatoor Division.	4,123 0 0	4,673 2 1	.....	4,673 2 1	.....	Do. do. „ 550 2-1.
Do. do. at Puzgydial do.	3,977 7 7	3,833 1 11	.....	3,833 1 11	.....	
Do. do. at Chintagoontah in Kundár Division.	5,283 0 0	5,102 12 7	.....	5,102 12 7	.....	
Office and temporary store shed at Ayalur in do.	642 0 0	67 6 0	.....	67 6 0	.....	
Quarters for Sub-Assistant Engineers and Assistant Surveyor do.	1,236 0 0	561 4 10	.....	561 4 10	.....	
Repairs to Anicut Office at Zorapoor.	327 0 0	307 12 0	.....	307 12 0	.....	
Office, Store, and Workshop at Kurnool.	30,612 0 0	14,032 10 3	.....	14,032 10 3	.....	
Iron and Brass Foundry at do	15,327 15 4	13,167 8 7	.....	13,167 8 7	.....	
Room for receiving and despatching stores at do.						
Engineer's Bungalow at Dhoor ...	4,750 0 0	4,761 16 7	.....	4,761 16 7	.....	
Division office at Adimapully ...	1,880 0 0	1,883 8 8	.....	1,883 8 8	.....	
Total ...	95,718 2 4	78,226 9 9	....	78,226 9 9	....	
Line of Telegraph from Soonkasala to Collapah.	49,440 0 0	17,989 14 5	.....	17,989 14 5	31,450 0 0	
Grand Total ...	1,10,23,332 11 11	72,20,011 5 2	12,77,850 1 11	84,97,861 7 1	18,00,000 0 0	

Kurnool,
27th October 1868.

(Signed) J. H. LATHAM,
Chief Engineer.
(Signed) J. MULLINS, Captain, R. E.,
Consg. Engr. for Irrigation and Canal Company.

(True Copy.)

Proceedings of the Madras Government, Public Works Department, 9th December 1868.

No. II.

MADRAS IRRIGATION AND CANAL COMPANY.

Budget-Estimate of Area of land required in 1869-70.

Names of works for which land is required.	Area of land under Class A.	B.	C.	D.	Remarks.
	Acres.				
For Distribution Channels					
1st Section, Main Canal	18				
Do. 2nd do. ...	40				
Do. 3rd do. ..	80				
Do. 4th {1st Part ...	100				
{2nd do. ...	50				
Do. 5th {North Bowanassy	200				
{South do. ..	100				
Do. 6th Section ..	700				
Do. 7th do.	40				
Do. 8th do.	40				
Do. 9th do.	700				
Do. 10th do.	14				
For side cutting, quarries, or temporary huts—					
6th Section	...	...	25	...	
7th do.	...	...	25	...	
8th do.	...	50	25	...	
9th do. ...	...	50	25	...	
10th do.	...	...	25	..	

Note.—The areas of distribution channels have been calculated on the basis of the 4th Section, 1st Part, where 14,000 acres irrigated require 100 acres for channels. The following are the estimated areas commanded—

	Acres.		
1st Sec.	2,500	6th Sec.	1,00,000
2nd do.	6,500	7th do.	50,000
3rd do.	11,500	8th do.	50,000
4th do.	14,000 / 7,500	9th do.	1,00,000
		10th do.	2,000
5th do.	30,000 / 12,000	Total	3,86,000

These areas are merely guesses, and are entered to reserve to the Company the power to apply for land in case opposition is met with on the part of villagers to allow their quarries being worked by the Company.

No. III.

MADRAS IRRIGATION AND CANAL COMPANY.

Budget-Estimate of the Expenditure on the Revenue Account in 1869-70.

Items.	Amount.	Total of each head.	Remarks.
	Rs.	Rs.	
Proportion or share of charges for General Management	4,000	4,000	
Main supply.			
Repairs of Soonkasala Ameut ...	3,500		Including ring bund and breach repairs.
Do. of Hindry Aqueduct ...	Nil.		
Do. of Main Canal, 1st Section ...	1,470		
Do. of do. 2nd do. ...	1,260		
Do. of do. 3rd do. ...	1,092		
Do. of do. 4th do. ...	1,428		Line men at Rupees 7 per month per mile.
Do. of do. 5th do. ...	1,008		
Do. of do 6th do. ...	1,596		
Do. of do. 7th do. ...	1,932		
Do. of do. 8th do. ...	2,436		
Do. of do. 9th do. ...	2,940		
Do. of do. 10th do. ...	672	19,334	
Distribution.			
Under 1st Section, Main Canal... ...			Irrigation only lasting for six months, it is expected that the above will cover distribution.
Do. 2nd do. do.			
Do. 3rd do. do.			
Do. 4th do. do. {1st Sub-Division. / 2nd do.			
Do. 5th do. do {North Bowanassy. / South do.	Nil.		
&c., &c., &c.,			
Buildings			
Storage			
Total Rupees...	.....	23,334	

Kurnool,
27th October 1868.

(Signed) J. H. LATHAM,
Chief Engineer.
(Signed) J. MULLINS, Captain, R. E.,
Consg. Engr. for Irrigation and Canal Company.

(True Copy.)

PART IV.

MADRAS IRRIGATION AND CANAL COMPANY.

Budget-Estimate of Irrigation for the year 1869-70

Position.	Areas commanded.	Areas supplied in 1868-69.	Area to be supplied in 1869-70.	Remarks.
1st Section	Rs. 2,500	Rs. 1,000	Rs. 2,500	Works will be completed in time for next admission of water.
2nd do.				
3rd do.	6,500	500	6,500	Do. do. do.
4th do. { 1st Sub-Division ...	11,500	100	11,500	Do. do. do.
{ 2nd do. ...	14,000	.....	14,000	Do. do. do.
5th do. { North Bowanassy ...	7,500	.....	5,000	
{ South do. ...	30,000	.....	10,000	
6th do.	12,000	.....	2,000	
7th do.	1,00,000	.....	5,000	The surveys are in hand, but the works will not be complete by March 1870.
8th do.	50,000	.....	12,000	
9th do.	50,000	.....	.....	
10th do.	1,00,000	.....	10,000	
... ...	2,000	.....	.....	

KURNOOL,
27th October 1868.

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

(True Copy.)
(Signed) J. MULLINS, Captain R. E.,
Consg Engr. for Irrigation and Canal Company.

No. 190.

ORDER THEREON, 9th December 1868, No. 3,831.

IRRIGATION, No. 9.

1. With this letter the Consulting Engineer for the Madras Irrigation and Canal Company submits the Budget Estimates of expenditure from State funds and from Guaranteed and Loan Capital during the year 1869-70.

2. The Budget of State outlay on establishments amounts to Rupees 23,000, which is in accordance with the sanctioned scale. The Consulting Engineer will submit a separate application in due course for the proposed increase to the salary of his Head Draughtsman, but the Government do not consider it necessary to make any special provision in the Budget on this account, and they have ascertained from the Controller that the introduction of the new system of audit referred to in paragraph 6 of Captain Mullins' letter is not likely to entail any additional expense under the head of "Establishments."

3. The estimate for compensation for land amounts in round numbers to Rupees 36,000, and appears to have been prepared upon the best data that could be procured.

4. The total estimated outlay from Guaranteed and Loan Capital amounts to Rupees 22,00,000, which, under the circumstances explained in paragraph 2, will be allowed to stand.

5. The estimated gross receipts of Revenue amount to Rupees 99,000. For the reasons detailed in paragraph 4, this sum may be accepted.

6. With these remarks the Budget Estimates will be forwarded to the Government of India with reference to the Proceedings of the Right Honorable the Governor General in Council, No. 16 A. I. of the 10th February 1868.

(Here enter No. 3,832, dated 9th December 1868.)

(True Extract.)

Colonel, R. E.,
Secretary to Government.

To the Consulting Engineer for the Madras Irrigation and Canal Company.
" Manager for do. do.
" Controller of Public Works Accounts.
" Accountant General.
" Revenue Department.

Ed. S. T. Augustin.

Govt. of India

PUBLIC WORKS

To

Dated

No.

DECEMBER

No. 3832

Budget Estimates and Consulting Engineer's Report on the Irrigation and Canal Company during the year 1869-70.

PUBLIC WORKS DEPARTMENT,
FORT ST. GEORGE, *9th December* 1868.
No. 3,832.

No. 191.
To

THE SECRETARY TO THE GOVERNMENT OF INDIA,
PUBLIC WORKS DEPARTMENT.

SIR,

IRRIGATION, No. 10.

1. In accordance with the orders communicated in the Proceedings of the Government of India, No. 16 A. I. of the 10th February 1868, I am directed by the Right Honorable the Governor in Council to submit the Budget Estimates of expenditure proposed from State funds, and from Guaranteed and Loan Capital in connection with the Madras Irrigation and Canal Company during the year 1869-70.

2. The following is an abstract of these Estimates :—

	RS.
State outlay.	
Controlling Establishment	29,000
For purchase of Land	36,000
	65,000
Construction Funds.	
Main Supply Channel	14,47,750
Distribution Channels	3,20,800
Telegraph Line	31,450
Establishments	4,00,000
Total...	22,00,000

3. Of this latter sum, Rupees 21,45,000 are likely to be remitted to this country by bills of exchange obtained from the Secretary of State, the remainder being drawn from Government Treasuries in India.

4. The estimated net receipts of Revenue amount to Rupees 75,666, as under :—

	RS.
Gross Earnings	99,000
Deduct Working Expenses	23,334
Net Revenue...	75,666

5. For the reasons explained in paragraphs 2 to 5 of Captain Mullins' letter, His Excellency the Governor in Council is of opinion that the estimates of expenditure from Guaranteed and Loan Capital, and of Revenue may be accepted.

6. A copy of the Consulting Engineer's letter, giving cover to the estimates under notice, is herewith forwarded for the information of the Government of India, together with the Schedule of works called for in your letter No. 85 A. I. of the 3rd June 1868.

I have the honor to be,
Sir,
Your most obedient servant,
(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

Exd. S. T. Augustin.

=tures will suffice to place the Canal in these

Govt. of 1868 Madras.

PUBLIC WORKS.

To,

THE SECRETARY TO THE GOVERNMENT

OF INDIA.

Dated [illegible]

Read [illegible]

[illegible]

RECEIVED
No. 101

[illegible]

Consulting Engineer's Office
Irrigation & Canal Company
Madras, 4th Nov. 1868.

No. 83.

From,

Captain, J. Mullins, R.E.
Consulting for I. & C. Co.

To, The Secretary to Government
Department of Pub. Works.

Sir,

I have the honor to forward the Budget Statements as per margin for the year 1869/70; their submission has been delayed to enable me to obtain from the Chief Engineer of the Madras Irrigation and Canal Company the details which were called for by the Government of India in their order printed in the Proceedings of the Madras Government of the 4th March 1868 No. 722.

2. My statements have been prepared upon the information furnished by the Chief Engineer, and a few remarks may be necessary. Under Construction Main Supply Rupees 14,600 are entered as the probable expenditure from July 1st 1868 to 31st March 1869 on the 2nd Section, miles 16 to 32, and Rupees 21,300 as the estimated expenditure of 1869/70. I do not think however that these expenditures will suffice to place the Canal in these miles in a permanently efficient state. Under Construction

* Part VII Appendix C. Statements Nos 1 to 4 received from Agent.—

Distribution it will be observed that against the proposed expenditure of next year there is at present but a small amount sanctioned. Estimates are however under preparation. It will be seen from the Estimate of Irrigation that it is not expected that Distribution channels below the 1st subdivision of the 1st Section will be ready in time for the irrigation of next season. I cannot at present form an opinion as to the progress likely to be made on Distribution works next year, and therefore the Chief Engineer's Return conveys the best information available.—

3. The Chief Engineer estimates that the area of land required in the Kurnool District for Distribution channels will be 1,350 acres, and for the same purpose in the Cuddapah District 1,400 acres for sundry purposes the estimated area in Kurnool is 125 acres and in Cuddapah 150 acres. My estimate however does not include any areas for the Main Canal and I find that in the Kurnool District about 26 acres will remain to be provided, and in the Cuddapah District 210 acres, making a total of 1509 acres in Kurnool and 1064 acres in Cuddapah. The amount for compensation has been entered in my Statement for these areas at an average of Rupees 12 per acre for Kurnool and Rupees 17 for Cuddapah. The average price paid in each District for lands taken up prior to and during the current year is shewn in the margin.—

4. The Chief Engineer's Irrigation

an area of 386,000 acres commanded by the Main Canal, and he estimates the area to be supplied in 1869/70 at 78,500 acres— It appears to me however very improbable that such a development of irrigation would take place in one year even were all the necessary works ready in time. Looking therefore to the present state of the Main Canal on which a great deal yet remains to be done, and to the very backward state of the distribution works, I think the most favorable estimate of the area to be irrigated which can reasonably be made is as shewn below; and it may be added that even this reduced area will not be approached unless water be sent down to the 72nd mile by about the 31st December next, and unless the whole of the 72 miles be got into proper working order before the 1st June 1869, and the distribution works be ready for at least twice this area by the same time

	Area commanded	Area supplied this year.—	Area to be supplied in 1869/70.
1st Section	2,500	1,000	1,800
2nd do	6,500	500	2,000
3rd do	11,500	100	2,500
4th do 1st Sub Dn	14,000	"	5,000
2nd do	7,500		
5th do N. Bowanassy	30,000	"	—
S. do	12,000		2,000
6th do	100,000	"	700
7th do	50,000	"	"
8th do	50,000	"	"
9th do	100,000	"	1,600
10th do	2,000	"	500
			16,000

The returns received in this office from the Collector of

of Kurnool up to the month of September 1867, shewn acres 88528 as the area for which Irrigation had been asked. —

The areas commanded as entered in the statement are not reliable as regards the 6th 7th 8th and 9th Sections, and the Main Canal will in these Sections, when finished, carry water enough for only about 102,500 acres instead of the 300,000 shewn as commanded. — * Chief Engineer's

I have put the gross receipts of Revenue as 16,000 acres at 6 Rupees ——— 96,000
Kurnool Town supply ——— 3,000
99,000

5. The estimated expenditure from Revenue, or in other words the working Expenses, are put by the Chief Engineer at Rupees 23,334. — This may be allowed, I think, Inland, though probably there will be no charges against Revenue in several of the Sections enumerated. —

6. With regard to the Establishment of this office, and to the contemplated alterations in the Audit arrangements, I have not as yet been placed in possession of information as to the cost of the staff of accountants which the Examiner will be likely to require. I can spare one of the two accountants, and there are 2 vacant writerships which can also be made available, so that Rupees 80 of the cost of the Examiner's Establishment can be met from the existing sanction. — The proposed arrangements will of course be reported on as soon as possible, but I have mentioned this point here in case it should be desired to make any entry in the Budget in anticipation of the orders of Government upon the arrangements as a whole. — P. W. G. No. 2809 dated 2 September 1868

7. I would also request sanction for an increase of Rupees 10 a month to the salary of the first draughtsman in my office, from the commencement of the next official year. — He has now been in this office for 8½ years on a salary of Rupees 50; he is well acquainted with his work, which he does in an attentive and efficient manner, and it would be inconvenient were he to seek for promotion elsewhere. The supply of competent draughtsmen is by no means equal to the demand, and it is more than probable that, were this man to quit my office, there would be much difficulty and delay in supplying his place, and it is of importance that there should be no delay in disposing of the business of this office with the Company. —

8. The present expenditure monthly from Guaranteed Capital, which alone is drawn in India, is about Rupees 4,500; therefore if the present arrangement of drawing Loan Capital in England be continued, the sum which will be drawn from Government in India next year will not exceed 55,000 Rupees. — I have the honor to be,

Sir,
Your most obedient servant,
John Hawkins Captain R.E.
Consulting for E.I.C. Company

Col. Phillips

No. 189

Rec'd 1868 CR. 175

Detail of Estimate of State Expenditure on account of the operations of the Madras Irrigation & Canal Company for the year 1869/70.—

Part VI.

Head.

I. Establishment 9000
II. Purchase of Plant ~~Lump~~ 36,000
~~Total~~ ~~Lump~~ 65,000
I. Contingencies.

Number.			Estimate of 1869/70			Estimate 1868/69
1868/69	1869/70	Parliament.	Salary of office.	Rs. monthly.	Rs. annum.	Total. Charges Rs. annum.
		Consulting Engineer for the Madras Irrigation & Co.	Company's			
1	1	Consulting Engineer		1,000	1,000	12,000
1	1	Military allowance as Captain of Engineers included	Residency House rent	354	354	4,248
						16,248
1	1	Manager		225	225	2,700
1	1	Head Accountant		70	70	840
1	1	Assistant do		35	35	420
1	1	Head Writer		50	50	600
1	1	Writer		25	25	300
1	1	Writer do		20	20	240
1	1	Draughtsman and Estimator		50	50	600
1	1	do		40	40	480
1	1	Record Keeper		50	50	600
1	1	Moochie		10½	10½	126
2	2	Peons		7	14	168
2	2	do		6	12	144
1	1	Sweeper		3	3	36
16	16					7,254
		Travelling allowance and tolls for Office	Establishment			23,502 23,502
		Office Expenses and Contingencies				2,570 2,570
						1,200 1,200
		Total of Consulting Engineer's Establishment Charges on Establishment and Contingencies	Department			27,272 27,272
1	1	Surveyor		120	120	1440
4	4	Ta Coars	Cuddapah	6	24	288
		Total	Cuddapah	—	—	— 1728 1728
		Kurnool		"	"	" " "
		do				
		Nellore		"	"	" " "
		do				
		Total of Establishment				

Number & View	Particulars	Amount of Estimate	Amount of Estimate for 1869/70	Remarks or References.
		Rs.	Rs.	
	Kurnool.			
	Main Supply			
	Canal. 8th Section.		312	
	Distribution			
	1st Section		216	
	2nd do		480	
	3rd do		960	
	4th do		1800	
	5th do		3480	
	6th do		8400	
	7th do		480	
	8th do		430	
	Sundry purposes.		1500	
	Total for Kurnool	15,108	18108	
	Cuddapah			
	Main Supply			
	Canal. 8 Sections		1275	
	9th do		2125	
	10th do			
	Distributive			
	9th Section		11,900	
	10th do		238	
	Sundry purposes		2382	
	Total for Cuddapah.	20,000	17,920	
	Grand Total for Kurnool & Cuddapah	35,000	36,000	

Estimate No. 1 of Canal & Distributaries from Gooty to Kurnool

Cons. Engineer's Office. S.A.C.C.
Madras. 4th November 1868.

John Lumsden Captain R.E.
Consulting Engineer for S.A.C.C.

Appendix C.

Estimated expenditure from Guaranteed & Loan Capital of the Madras Irrigation & Canal Company for 1869/70.

Items.	Estimate 1869/70		1868/69.
Main Canal	14,47,750		
Distribution Channels	3,20,800	22,00,000	16,60,000
Establishments	4,00,000		
Electric Telegraph	31,450		
Total outlay		22,00,000	16,60,000
Estimated receipts from sale of Stores &c. to be credited to Capital		"	"
Total receipts		"	"
Net outlay		22,00,000	16,60,000

Revenue Account.

	Gross earnings.		Working expenses.		Net Revenue.		Percentage of working expenses	
	1869/70	1868/69	1869/70	1868/69	1869/70	1868/69	1869/70	1868/69
Main Canal from Soontiawala & the Pennair	99,000	8,000	23,334	2,500	75,666	5,500	23.57	31.25

× No revenue account has been opened as yet; the amounts shown is the sum that will be debitable to Revenue eventually when that amount changes in the Capital account

Cons. Engr's Office
Irrigation & C. Co:
Madras, 11th June 1868.

John Dumbleton Captain, R.E.
Cons. Engr. for I. & C. Company

Public Works Department

No 3831/8

Encl: in Letter dtd 23 July
from the Government
from Comm: Engr: Office &c

P.W. 4329/68.

Prom: Dec: 1868 Dlog.

No. 1

Madras Irrigation & Canal Company.—

Budget Estimate of the Expenditure required on the Construction account in 1869/70.—

Names of work.	Amount of Sanction Estimate	Actual Expenditure up to 30th June/68.	Anticipated expenditure from 1st July 1868 to 31st March/69.	Total of Columns 3 & 4.	Probable expenditure for 1869/70.	Remarks.
	2	3	4	5	6	7
Main Supply.						
Ancient and head works at Kurnool	303080	60326 7 8		60326 7 8		Abandoned &c.
do do at Soonkesala	430112	453573 10		453573 10		Excess expenditure Rs. 23461-10
do do at Somasevaram	171727	71213 9		71213 9		
do do at Vidimapully	300800		68250	68250	193140	
Aqueduct across the River Hindry	246029	273385 3		273385 3		do do Rs. 27355-11
Canal for one mile from the Head Sluice of the Kurnool Ancient	65000	49284 8 3		49284 8 3		Abandoned &c.
South Main Canal 1st Section 17¼ miles	1053857	936944 3 4	15600	972544 3 4	22700	
do 2nd do 18 to 32 miles	1800150	1739424 5 2	14600	1754024 5 2	21300	
do 3rd do 33 to 43	958000	835862 4 7	9200	844862 4 7	13300	
do 4th do 44 to 60	1181704	999069 10	15600	914669 10	22700	
do 5th do 61 to 72	747209	708094 8 6	11000	719094 8 6	16000	* Includes the amount of an advance Rs. 33664
do 6th do 73 to 91	801886*	382849 9 2	290100	642649 9 2	159240	* Includes amount of an advance Rs. 60151 the Sub Est. for which figures is partially sanctioned.
do 7th do 92 to 114	714493*	483222 2 7	247800	530722 2 7	183770	* Includes the amount of Sup. Est. Rs. 233560 +
do 8th do 115 to 143	883142†	271627 12 -	170700	442327 12 -	240000	† Includes the amount of Sup. Est. for Masonry works as 75 Est. figures which is under examination.
do 9th do 144 to 178	945837	140697 - 8	349800	490697 - 8	455140	
do 10th do 179 to 186	192450	37351 5 2	68250	71985 15 2	120460	
Total	10795173	7099010 3 11	1260600	8359610 3 11	1447700	
Distribution.						
Branch channel and sluices of 1st Section	666085	40846 2	25963	66809 5		
Distribution works of the 2nd do	60000	44051 11	15941 5	60000		
do do 3rd do	93200	42616 5	50589 7	93200		
do do 4th do	289290	68121 24	80000	148121 24	248000	
Constructing a bund across the Canal in 45th mile 4th Section	760	72126		72126		
Distribution works of the 5th Section	40000				660000	
do do 6th do	100000	28407 8		28407 8	1000000	Approximately estimated.
do do 7th do					250000	
do do 8th do					150000	
do do 9th do					60000	
do do Soonkesala.	151250					
Kurnool Town water supply.	114200	92526		92526		* Estimate submitted on the 25th January 1867 No. 832 is not yet sanctioned.
	169600	138287		138287	320800	
Total	829710	247849 1	172501 11	420341 11	3208800	
Buildings.						
Central Hospital with out houses and compound wall at Kurnool	50500	44499 10		44499 10		
Repairs to do do	6800	600		600		
Overseers tent at Kurnool.	124433					
Office and Store house and Workshop at Soonkesala.	59470	59781 28		59781 28		
Powder Magazine Store and Station roads at Bowanassy.	43594 9	43599 9		43599 9		
Office and Store room and Artificers shed at do	72778 5	75229 -		75229 -		
Repairing the above buildings at do	6480					
Improvement of road approaching to the above buildings and repairing Culvert at do	5780	3171 4 -		3171 4 -		
Converting the unfinished building intended for a new Powder Manufactory into a Hospital at do	42700	1922		1922		
Office and Store building at Valapanoor in the Bowanassy Do	19000	51206 10		51206 10		Excess Expenditure Rs. 3150-6-10
do do at Supad in the Nagalapur Do	41200	46732 1		46732 1		do do 550-2-1
do do at Byyapal do	39717 7	38331 11		38331 11		
do do at Chintapountah in Kundar Do	52830	51021 27		51021 27		
Office and temporary store shed at Ayalur in do	6420	676 -		676 -		
Quarters for Sub Assistant Engineers and Asst. Surveyor do	12360	5614 10		5614 10		
Repairs to Ancient Office at Yoreapoor.	3200	3072 -		3072 -		
Office, Store and Workshop at Kurnool.	30612	14032 10 3		14032 10 3		
Iron and Brass foundry at do	153277	151678 7		151678 7		
Room for receiving and despatching stores at do						
Engineers bungalow at Khood.	47500	47641 07		47641 07		
Division office at Vidimapully.	18800	18888 8		18888 8		
Total	957824	782269 9		782269 9		
Line of Telegraph from Soonkesala to Cuddapah.	194940	179891 14 5		179891 14 5	31450	
Grand Total	11132284	7220011 5 2	1277850 1 11	8497861 7 1	1800000	

Kurnool
27th October 1868.

True Copy
W. Lumsden
Captain R.E.
Consulting Engineer

(Signed) John H. Latham
Chief Engineer.—

Encs in letter No. 83 of 4 Nov. /68
to Govt. from Cons: Engrs. Office
I & C Co.

P.W. 4329/68

Pros. 9th December /68 No. 2189

IV-IV.

Madras Irrigation and Canal Company

Budget Estimate of Irrigation for the year 1869-70

Position	Areas Commanded.	Areas supplied in 1868-69	Area to be supplied in 1869-70	Remarks.
1st Section	2,500	1,000	2,500	Work will be completed in time for next admission of water.
2d Do.	6,500	500	6,500	Do. Do.
3 Do.	11,500	100	11,500	Do. Do.
4th Do. { 1st Sub Division	14,000	"	14,000	Do. Do.
2 Do. Do.	7,500	"	5,000	Do. Do.
5th Do. { North Bowanaly	30,000	"	10,000	Surveys are in hand, but the works will not be
South Do.	12,000	"	2,000	Completed by March 1870.
6th Do.	100,000	"	5,000	
7th Do.	50,000	"	12,000	
8th Do.	50,000	"	"	
9th Do.	100,000	"	10,000	
10 Do.	2,000	"	"	

Kurnool
27th October 1868

[Sigd] John H Latham
Chief Engineer.

(True Copy)
Captain R.E.
Consulting Engineer M.I.&C.Co.

M.R.

Proceedings of the Madras Government

No 3831 58 51

39

Enc: in letter No 83 of 4th March 68
to Govt from Comr Coll Offices
I Nilgs

P. P. 4329/68.
Pros 9th Dec 68 No 189.

Proceedings of the Madras Government

No 3831 3631

39

Enc: in letter No 83 of 4th Novr 68
to Govt from Comr Ceded Dists Office
I & L Co

P. W. 4329/68.

From 9th Decr 68 to No 189.

Public Works Department

No 3831 3831

Proceedings of the Madras Government

41

No II

Madras Irrigation and Canal Company

Budget Estimate of Area of Land required in 1869-70

Names of works for which land is required	Area of land under Class A	B	C	D	Remarks.
For Distribution Channel 1st Section Main Canal	acres 18				Note the areas of Distribution Channels have been calculated on the basis of the 4th & 5th Section 1st Part, where 14,000 acres irrigated require 100 acres for Channels. The following are the estimated areas commanded.
" " 2nd " "	40				
" " 3rd " "	80				
" " 4th { 1st Part	100				
" " { 2nd Part	50				
" " 5th { North Bowanasy	200				
" " { South					
" " 6th Section	900				
" " 7th "	700				
" " 8th "	40				
" " 9th "	40				
" " 10th "	700				
For side Cutting, Quarries, or tank Bunds	14	"	"	"	
" " 6th Section	"	"	"	"	
" " 7th "	"	"	25	"	
" " 8th "	"	"	25	"	
" " 9th "	"	50	25	"	
" " 10th "	"	50	25	"	
		"	75	"	
		"	25	"	

	acres		
1st	2,500	6th	100,000
2	6,500	7th	50,000
3	11,500	8th	50,000
4th {	14,000	9th	100,000
	7,500	10th	2,000
5th {	30,000	Total	386,000
	12,000		

These areas are merely guesses and are entered to reserve to the Company the power to apply for land in case opposition is met with on the part of villagers to allow their quarries being worked by the Company

Guntoor
27th October 1868

[illegible]

[illegible]

Sd/ John H Latham
Chief Engineer.

True Copy/

Captain R.E.
Consulting Engineer P.W.C.Co

the

Con-

Encl: in letter No. 837/4 Nov. 68
to Govt. from Com. Engrs. Office
F. St. C. Co.

P.W. 4329/68
Proc. Dec. 68 No. 189

Public Works Department

No. 3831 3831

Proceedings of the Madras Government

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12

do

do

No. III

D

Madras Irrigation and Canal Company

Budget Estimate of the Expenditure on the Revenue account in 1869/70

Items	Amount each head	Total of	Remarks
Proportion or share of Charges for General Management	4,000	4,000 " "	
Main Supply			
Repairs of Soonkasala Anicut	3,500		Including Ring bund and Black Repairs.
do of Hindry Aqueduct	nil		
do of Main Canal 1st Section	1,470 " "		
do of do 2 do	1,260 " "		
do of do 3 do	1,092 " "		
do of do 4th do	1,428 " "		
do of do 5th do	1,008 " "		Line men at 7 Rs. 5 Month 5 mile.
do of do 6th do	1,596 " "		
do of do 7th do	1,932 " "		
do of do 8th do	2,436 " "		
do of do 9th do	2,016 " "		
do of do 10 do	672 " "	19,334	
Distribution			
Under 1st Section Main Canal			
do 2 do do			
do 3 do do			
do 4th do do	nil		Irrigation only lasts for 6 Months it is expected that the above will cover Distribution
do 5th do do	1st Sub division		
do do do	2 do		
Fee Fee	North Bawanasy		
	South do		
Buildings	nil		
Storage	nil		
Total Rupees	23334 " "		

Kurnool
27th Oct. 1868

Sd/ John H Latham
Chief Engineer.

(True Copy)
John Goodwin Captain R.E.
Consulting Engineer I.M.C.

Public Works Department
No. 3831 3863
From the Madras Government
Consulting Engineer

Encl: in letter No. 837 of 4th Novr 68
to Govt. from Consg. Engrs Office
I & C Co.

P. W. 4329/68.

Proc.g.s Dec.r 68 Ls Ls 189.

Public Works Department

No. 3831 3831

Proceedings of the Madras Government

Under date the 9th Decr 68

Read the following

From The Consg. Engineer I & C Co's A. E. No 83 dated 4th Novr 1868

With this letter the Consulting Engineer for the Madras Irrigation and Canal Company submits the Budget estimates of expenditure from Shake funds and from Guaranteed and Loan Capital during the Year 1869-70.

The Budget of State outlay on Establishments amounts to Rs: 29,000, which is in accordance with the sanctioned scale. The

Con-

Consulting Engineer will submit a separate application in due course for the proposed increase to the salary of his Head Draughtsman, but the Government do not consider it necessary to make any special provision in the budget on this account, and they have ascertained from the Controller that the introduction of the new system of audit referred to in para 6 of Capt. Mullins' letter is not likely to entail any additional expense under the head of "Establishments".

The

The estimate for Compensation for land in round numbers amounts to Rs: 36,000 and appears to have been prepared upon the best data that could be procured.

The total estimated outlay from Guaranteed and Loan Capital amounts to Rs: 22,00,000, which, under the circumstances explained in para 2, will be allowed to stand.

The estimated gross Receipts of Revenue amount to Rs: 99,000. For the reasons detailed in para 4, this sum may be accepted.

With these remarks

the

the Budget estimates will be forwarded to the Govt. of India with reference to the Proceedings of the Hon'ble the Governor General in Council No. 16 A.S. of the 10th February 1868.

No. 3832

To The Secretary to the Govt. of India P.W.D.

Sir,

In accordance with the orders communicated in the Proceedings of the Govt. of India No. 16 A.S. of the 10th February 1868, I am directed by the Right Hon'ble the Governor in Council to submit the Budget estimates of Expenditure pro-

To The Com. Engrs. for the
" M. & S. Circle
" Manager Dr. Sy.
" Controller
" Accountant General
" Revenue Deptt.

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proposed from Stake funds, and from Guaranteed and Loan Capital in connection with the Madras Irrigation and Canal Company during the year 1869-70.

The following is an abstract of these estimates.

V.P. 901

Stake Fund.

Contributing Establishment ..... Rs. 29,000
For purchase of land ..... " 36,000

Total 65,000

Construction Funds.

Main Supply Channel ..... Rs. 14,47,750
Distribution Channels ... " 3,20,800
Telegraph Line ..... " 31,450
Establishments ..... " 4,00,000

Total Rs. 22,00,000

Of

Of this latter sum, Rs. 21.45.000 are likely to be remitted to this country by bills of Exchange obtained from the Secretary of State, the remainder being drawn from Govt. Treasuries in India.

The estimated net receipts of Revenue amount to Rs. 75.666, as under:-

Gross Earnings - - - - -	Rs. 99,000
Deduct working expenses - -	" 23.334
Net Revenue	Rs. 75.666

For the reasons explained in paras 2 to 5 of Capt. Mullins' letter, His Excellency the

Desp.ch 11/12/68 with twenty five copies of Govt. 38.31 of 1868.

the Governor in Council is of opinion that the estimates of expenditure from Guaranteed and Loan Capital, and of Revenue may be accepted.

A copy of the Consulting Engineer's letter, giving cover to the estimates under notice, is herewith forwarded for the information of the Govt. of India, together with the Schedule of works called for in your letter No. 65 A.S. of the 3rd June 1868.


Nouv 168R. 17E

Dn. 1868 Comp^a for the Ind^n
Irrigation & Canal
Company

&c, &c., &c.

Dated th.

Recd. 1868

G. O., 6th Dec^r 1868, No. 3831 & 3832

Nos. 189-190 & 191

Budget (Madras Mails) Passing orders
on the letter from the Comp^y submitting
the Budget Estimates of Expenditure from
State funds & from Guaranteed & Loan
Capital during the year 1869-70.

Budget (Madras Mails) The Budget
Estimates of Expenditure from State funds
& from Guaranteed and Loan Capital during
1869-70, forwarded by the Sec^y of State with
the opinion of the Madras Govt thereon.

Rec^d 16th Dec^r 1868