

(1) Number of pages 8
(2) Date of repair _____
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MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No.

833

Press

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Dated

12

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1877.

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department,
12th March 1877. No. 833.

No. 254. Read the following letter from the Chief Engineer for Irrigation, to the Secretary to Government, Public Works Department, dated Fort St. George, 9th March 1877, No. 137-W:—

I HAVE the honor to submit the following report on the expenditure incurred on the works of the Madras Irrigation and Canal Company during the quarter ended 30th September 1876.

Expenditure during the quarter including adjustment as follows:—

	RS.	A.	P.
Cash and Stores	4,853	6	3
Adjustment.*			
Payments made in England up to 31st August 1869 ..	7,362	11	4
Manufacture of Stores on private account	1,085	4	2
Stores lost or damaged	2,021	9	5
	10,469	8	11
	15,322	15	2

* Vide G.O., No. 145, dated 18th January 1875.

2. The total expenditure for the period under review amounted to Rupees 15,322-15-2, as compared with Rupees 3,917-8-10 in the previous quarter.

3. The following is a statement in tabular form of the items on which the above outlay was made:—

Number of Section or Name of Work.	Amount.	Nature of Expenditure.
	RS. A. P.	
<i>Main Canal.</i>		
Anicut and head works at Soonkasala ..	195 0 1	Adjustment.
Do. at Somaiswaram.	53 13 7	Special superintendence and sundries, and adjustment.
Do. at Adamapully.	177 11 3	Adjustment.
Aqueduct across the river Hindry ..	114 9 6	Do.
1st Section	1,855 9 8	Bridge at Gopalingaram, Niljood, Mungalapaul and Massamaseed, and adjustment.
2nd do.	826 9 7	Adjustment.
3rd do.	382 7 1	Do.
4th do.	3,324 8 2	Altering bridge at Bollaveram and Moomcherry and adjustment.
5th do.	364 2 2	Adjustment.
6th do.	438 11 1	Do.
7th do.	286 9 10	Do.
8th do.	342 2 6	Do.
9th do.	1,470 14 7	Do.
10th do.	540 4 6	Do.
Line of telegraph	4,432 11 4	Do.
<i>Distribution.</i>		
10th Section	517 2 3	Distribution works.
	15,322 15 2	

4. The following statement shows the expenditure on all works from the commencement to the close of the quarter compared with sanctioned estimates.

Abstract of Expenditure.

Proceedings of the Madras Government, Public Works Department,
12th March 1877. No. 833.

Works.	Amount of Estimate.	Expenditure up to 30th June 1876.	Cost during the quarter ended 30th Sept. 1876.	Total Expenditure.		Add amount transferred to this from other works.	Deduct Refund from this to other works.	Amount.		Increase of Estimate.
				RS. A. P.	RS. A. P.			RS. A. P.	RS. A. P.	
Main Supply.										
Ancient and head works at Kurnool ..	3,03,080 0 0	60,731 1 3	195 0 1	60,731 1 3	..	..	..	2,42,348 14 9	Completed. Do.	..
Do. do. at Sookkasala ..	4,89,322 0 0	47,740 12 0	63 13 7	47,740 12 0	..	..	..	11,724 3 11	Do. Do.	..
Do. do. at Somaiswarum ..	1,71,727 1 7	68,166 11 11	177 11 3	68,220 9 6	..	..	..	1,03,506 8 1	Do. Do.	..
Do. do. at Adamapully ..	4,38,233 1 11	4,35,040 11 4	114 9 6	4,35,218 6 7	..	..	..	3,014 11 4	Do. Do.	114 9 6
Aqueduct across the river Hindry ..	2,80,542 5 0	2,80,542 5 0	..	2,80,536 14 6	..	..	..	..	Do. Do.	..
Canal for one mile from the head sluice of the Kurnool ancient ..	65,000 0 0	49,615 0 9	1,855 9 8	49,615 0 9	..	0 13 3	..	15,384 15 3	Do. Do.	..
Main Canal, 1st Section, 17 1/2 mile ..	11,29,783 13 5	11,21,638 6 5	826 9 7	11,23,494 0 1	..	..	..	6,290 10 7	Completed. Do.	488 9 9
Do. 2nd do., 18th to 32nd mile ..	20,23,985 12 2	20,23,647 12 4	382 9 7	20,24,474 5 11	..	..	..	54,195 8 3	Do. Do.	..
Do. 3rd do., 33rd to 43rd ..	9,90,861 0 10	9,36,283 1 6	382 9 7	9,36,665 8 7	..	..	..	74,529 1 9	Completed. Do.	..
Do. 4th do., 44th to 60th ..	10,85,767 8 9	10,07,913 14 10	3,824 8 2	10,11,238 7 0	..	..	..	61 6 8	Do. Do.	..
Do. 5th do., 61st to 72nd ..	8,91,880 1 1	8,91,464 8 3	364 2 2	8,91,828 10 5	..	..	..	67,813 2 7	Do. Do.	..
Do. 6th do., 73rd to 83rd ..	8,45,202 1 8	8,45,197 7 0	5 9 10	8,45,199 1 5	..	..	..	85,026 10 9	Do. Do.	..
Do. 7th do., 84th to 113th ..	7,85,998 12 2	7,61,688 7 7	342 2 6	7,61,683 4 2	..	..	..	1,50,519 11 3	Do. Do.	..
Do. 8th do., 114th to 143rd ..	8,38,050 1 8	8,38,050 1 8	1,470 14 7	8,11,524 13 1	..	..	..	60,188 1 6	Do. Do.	..
Do. 9th do., 144th to 178th ..	9,62,114 8 4	8,10,123 14 6	540 4 6	1,97,077 9 8	..	..	..	..	Do. Do.	..
Do. 10th do., 179th to 186th ..	2,87,263 11 2	1,96,537 5 2	..	1,97,077 9 8	..	..	..	..	Do. Do.	..
Total ..	116,41,003 2 9	107,76,978 9 6	10,373 1 7	107,87,351 11 1	..	0 13 3	..	8,51,597 10 8	945 6 2	..
Distribution.										
Branch channels and sluices of 1st Section ..	7,002 15 5	5,727 1 8	..	5,727 1 8	..	..	..	1,275 13 9	..	..
Distribution works of 2nd Section ..	6,000 0 0	5,342 13 6	..	5,342 13 6	..	..	..	637 2 6	..	..
Do. of 3rd do. ..	11,175 8 0	10,524 1 10	..	10,524 1 10	..	..	..	651 6 2	..	..
Do. of 4th do. ..	47,101 14 0	34,657 2 9	..	34,657 2 9	..	..	..	12,444 11 3	..	..
Constructing a bund across the canal in the 45th mile of 4th Section ..	76 0 0	74 7 5	..	74 7 5	..	..	..	1 8 7	Completed. Do.	..
Distribution works of 5th Section ..	21,076 10 8	10,248 12 8	..	10,248 12 8	..	..	..	10,827 14 0	..	..
Do. of 6th do. ..	72,838 6 4	44,922 5 1	..	44,922 5 1	..	..	..	27,916 0 3	..	..
Do. of 7th do. ..	47,617 9 6	23,004 11 5	..	23,004 11 5	..	..	..	24,612 14 1	..	..
Do. of 8th do. ..	61,650 8 8	43,390 10 4	..	43,390 10 4	..	..	..	18,259 14 4	..	..
Do. of 9th do. ..	51,175 4 0	35,634 2 4	..	35,634 2 4	..	..	..	15,641 1 8	..	..
Do. of 10th do. ..	15,017 3 1	13,365 7 11	617 2 3	14,082 10 2	..	..	..	934 8 11	..	..
Do. at Sookkasala ..	946 9 10	846 9 10	..	846 9 10	..	..	..	946 9 10	Completed. Do.	..
Kurnool town water-supply ..	1,699 0 7	1,454 1 11	..	1,454 1 11	..	..	..	244 14 8	..	..
Total ..	3,43,277 9 1	2,29,492 8 8	617 2 3	2,30,009 10 11	..	..	..	1,13,267 14 2	..	..
Breach repairs of August 1870 ..	62,440 0 0	54,084 1 7	..	54,084 1 7	..	..	..	8,355 14 5	..	..

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Works.	Amount of Estimate.	Expenditure up to 30th June 1876.	Cost during the quarter ended 30th Sept. 1876.	Total Expenditure.	Add amount transferred to this from other works.	Deduct Refund from this to other works.	Amount.		Increase of Estimate.
							RS. A. P.	RS. A. P.	
Central hospital with out-houses and compound wall at Kurnool ..	5,050 0 0	4,915 9 8	..	4,915 9 8	..	..	4,915 9 8	134 6 4	Completed. Do.
Repairs to do. ..	68 0 0	60 10 1	..	60 10 1	..	..	60 10 1	7 5 11	..
Overseer's hut at Kurnool ..	1,244 13 3	..	..	..	..	..	..	1,244 13 3	..
Office, Store-house, and Workshop at Sookkasala ..	6,045 10 8	6,045 10 8	..	6,045 10 8	..	..	6,045 10 8	..	Completed. Do.
Powder Magazine, store and station roads at Rowanasy ..	4,403 4 9	4,403 4 9	..	4,403 4 9	..	..	4,403 4 9	333 2 4	Do. Do.
Office, store-room and Artificer's shed at do. ..	7,945 8 5	7,612 6 1	..	7,612 6 1	..	..	7,612 6 1	..	Do. Do.
Improvement of the road approaching the above buildings and repairing culverts at Bowanasy ..	578 0 0	320 11 8	..	320 11 8	..	..	320 11 8	257 4 4	Do. Do.
Converting the unfinished building intended for a Gunpowder Manufactory into a hospital at Bowanasy ..	427 0 0	30 15 1	..	30 15 1	..	..	30 15 1	396 0 11	Do. Do.
Office and store buildings at Valpannore ..	2,010 4 5	2,010 4 5	..	2,010 4 5	..	..	2,010 4 5	..	Do. Do.
Repairs to Valpannore bungalow ..	624 0 0	624 0 0	..	624 0 0	..	..	624 0 0	..	Do. Do.
Overseer's house and store at Valpannore ..	558 5 0	421 11 9	..	421 11 9	..	..	421 11 9	136 9 3	Do. Do.
Office and store at Jupaund in Nagatore Division ..	4,164 10 4	4,164 10 4	..	4,164 10 4	..	..	4,164 10 4	..	Do. Do.
Repairs to Jupaund bungalow in Nagatore Division ..	1,000 0 0	368 10 5	..	368 10 5	..	..	368 10 5	631 5 7	Do. Do.
Overseer's and Dyesser's house at Jupaund in Nagatore Division ..	576 6 0	457 10 8	..	457 10 8	..	..	457 10 8	118 11 4	Do. Do.
Office and Store at Puggydial in do. ..	8,977 7 7	3,871 12 8	..	3,871 12 8	..	..	3,871 12 8	105 10 11	Do. Do.
Overseer's house at do. in do. ..	297 2 0	292 7 2	..	292 7 2	..	..	292 7 2	14 10 10	Do. Do.
Office and store at Chintagootah in Koon-daur Division ..	5,331 4 11	5,331 4 11	..	5,331 4 11	..	..	5,331 4 11	437 14 9	Do. Do.
Do. and temporary store shed at Ayalore in Koon-daur Division ..	612 0 0	204 1 3	..	204 1 3	..	..	204 1 3	15 15 2	Do. Do.
Repairs to ancient office at Zorapore ..	327 0 0	311 0 10	..	311 0 10	..	..	311 0 10	13,314 10 11	Completed. Do.
Office, Store and Workshop at Kurnool ..	30,612 0 0	17,297 5 1	..	17,297 5 1	..	..	17,297 5 1	6 7 6	..
Workshop latrine at do. ..	148 3 0	141 11 6	..	141 11 6	..	..	141 11 6	7 11 1	..
Iron and brass foundry at Kurnool, room for receiving and despatching stores at Kurnool ..	15,327 15 4	15,320 4 3	..	15,320 4 3	..	..	15,320 4 3	669 0 8	Do. Do.
Quarters for Sub-Assistant Engineer and Assistant Surveyors at Koon-daur ..	1,236 0 0	566 15 4	..	566 15 4	..	..	566 15 4	283 7 3	..
Engineer's bungalow at Hoondar ..	4,979 7 6	4,972 9 5	..	4,972 9 5	..	..	4,972 9 5	245 7 3	..
Sluice-keepers' huts ..	3,200 0 0	2,916 8 9	..	2,916 8 9	..	..	2,916 8 9	..	..
Overseer's house at Beempand and Ayalore ..	1,100 0 0	754 8 9	..	754 8 9	..	..	754 8 9	..	..
Total ..	1,01,874 7 2	83,406 13 6	..	83,406 13 6	..	..	83,406 13 6	18,467 9 8	Completed. Do.
Line of Telegraph ..	72,033 13 0	67,342 3 9	4,432 11 4	71,774 15 1	..	..	71,774 15 1	258 13 11	..
Grand Total ..	122,20,629 0 0	112,11,304 6 0	15,322 15 2	112,26,627 4 2	0 13 3	..	112,26,627 4 2	694,947 14 10	945 6 9

*Proceedings of the Madras Government, Public Works Department,
12th March 1877. No. 833.*

5. It will be remarked that the expenditure of the quarter is shown to have been Rupees 15,322-15-2, and the total outlay up to 30th September 1876 Rupees 112,26,626-6-11.
- Quarter's Expenditure.
6. The subjoined statement shows the expenditure in excess of sanction at the end of the quarter to have been Rupees 945-5-9.
- Excess Expenditure.

Works.	Excess Expenditure on 30th June 1876.	Excess Expenditure during the Quarter ended 30th September 1876.	Total.	Add amount transferred to this from other works.	Deduct Refund.	Excess net Expenditure on 30th September 1876.
<i>Main Supply.</i>	RS. A. P.	RS. A. P.	RS. A. P.	RS.	RS.	RS. A. P.
Aqueduct across the river Hindry ...	...	114 9 6	114 9 6	...	...	114 9 6
Main Canal, 2nd Section ...	...	488 9 9	488 9 9	...	...	488 9 9
Do., 8th " ...	26 11 8	...	...	...	...	...
Deduct amount sanctioned in October 1876 ..	26 11 8	342 2 6	342 2 6	...	...	342 2 6
Total ...	...	945 5 9	945 5 9	...	...	945 5 9
<i>Building.</i>						
Repairs to Valapanore bungalow ...	18 12 0	...	...	...	...	...
Deduct amount sanctioned in October 1876 ...	18 12 0	...	...	...	...	...
Total ...	...	...	...	...	...	...
Grand Total ...	...	945 5 9	945 5 9	...	...	945 5 9

The cause of excess is due to the arbitrary adjustments carried out in September 1876, with reference to G.O. No. 145 of 18th January 1875.

7. The cost of Executive Permanent Establishments amounts for this quarter to 22-31 per cent. on the expenditure for Construction, that of Temporary Establishments to 0-35 per cent., and that of General Management to 11-19 per cent.
- Cost of Establishment.

8. The total cost of Permanent Establishments was therefore 33-50, and that of Temporary Establishments 0-35 per cent. on the expenditure.
- Total Cost of Establishment.

(Signed) G. T. WALCH,
Deputy Chief Engineer for Irrigation,
for Chief Engineer for Irrigation.

*Proceedings of the Madras Government, Public Works Department,
12th March 1877. No. 833.*

No. 255.

ORDER THEREON, 12th March 1877, No. 833.

IRRIGATION, No. 26.

Account.

ORDERED that this report be forwarded to the Home Government.

(True Extract.)

Lieut.-Colonel, R.E.,
Secretary to Government, P.W.D.

To the Chief Engineer for Irrigation.

.. Chief Engineer and Manager, Madras Irrigation and Canal Company.

.. Examiner, Irrigation Company's Accounts.

Exd. W. J. Lewis.
Spare Copies

No 833

Public Works Department.

PROCEEDINGS of the MADRAS GOVERNMENT.

UNDER date the 12 March 77

Read the following:—

From The Chief Engineer (H.E. No 137. W. of 9 March 1877)

Ordered that this report be forwarded to the Home Government.

My dear Marquis
We have the honor to forward a report on the progress of the Madras Irrig. and Canal Co's work for the quarter ended 30th September 1876

833. 12 March 77
Ch. Engr. Irig.
Ch. & M. M. S. C. Co.
Ir. Irrig. Co. Accts
Dated 7-4-77

102531

Govt. of (1877) ~~India~~
PUBLIC WORKS.

To *The Chief Eng^r for Eng^t.*

Dated

Issued

Recd.

Encl.

G. O. 12th March 1877, No. 833

Nos. 254 - 255

sent in Reg^r

*In LCCo. — The
report on the expenditure
incurred on the works of
the — during the quarter
ended 30th Sept 1876, for-
warded to the Home Sec^y.*

*Forwarding report on
the progress of the Madras
Irrigation & Canal Company's
works for the quarter ended
30th September 1876.*