

(1) Number of pages _____

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE

Government of Madras

Public Works

DEPARTMENT

G.O. No.	1579	Press
B.P. No.		Mis.
Dated	4 - 6 - 195	195

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
4th June 1875.*

No. 113. Read the following letter from Lieutenant-Colonel J. MULLINS, R.E., Chief Engineer for Irrigation, to Colonel G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Ootacamund, 17th May 1875, No. 26 :—

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 31st December 1874 :—

EXPENDITURE DURING THE QUARTER.—The total expenditure for the period under review amounted to Rupees 18,441 as compared with Rupees 2,143 in the previous quarter.

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

No. of Section or Name of Work.				Amount.			Nature of Expenditure.
				RS.	A.	P.	
<i>Main Supply.</i>							
1st Section ...	...	...	...	0	4	0	Alteration of Calingulah No. 9.
4th do. ...	...	...	...	2	12	10	General contingencies.
7th do. ...	...	...	...	0	15	6	Alteration of Calingulah No. 6 A.
Antient and head works at Sômaisweram.	...	...	...	152	12	0	General contingencies.
Adjustment of Madras Stores	...	...	...	17,170	3	7	This will be apportioned to Main Canal, distribution, and building in the next quarter's Report.
<i>Distribution.</i>							
5th Section	...	...	...	249	9	9	
6th do.	...	...	...	3	1	3	
8th do.	...	...	...	483	14	3	
9th do.	...	...	...	22	1	11	
10th do.	...	...	...	219	14	19	
<i>Buildings.</i>							
Office, Store, and Workshop at Kurnool ..	...	...	...	67	2	7	
Overseer's house at Beemapaud	...	...	...	68	5	5	
Total ...				18,441	1	11	

3. ABSTRACT OF EXPENDITURE.—The following statement shows the expenditure on all works from the commencement to the close of the quarter compared with sanctioned estimates :—

Proceedings of the Madras Government, Public Works Department,
4th June 1875.

Works.	Amount of Estimate.	Expenditure up to 30th September 1874.	Cost during the quarter ended 31st December 1874.	Total Expenditure.	Add amount transferred to this from other Works.	Deduct from this to other Works.	Total Net Expenditure.	Amount.	
								Available.	Increase of Estimate.
Main Supply.									
Ancicut and head works at Kurnool	3,03,080	60,731	...	60,731	...	...	60,731	2,42,349	RS.
Do. do. at Soonkasala	4,89,322	4,76,670	...	4,76,670	...	...	4,76,670	12,652	...
Do. do. at Somaswaram	1,71,727	67,831	153	67,984	...	85	67,899	1,03,828	...
Do. do. at Adamapully	4,38,233	4,34,455	...	4,34,455	...	...	4,34,455	3,778	...
Aqueduct across the river Hindry	2,80,118	2,80,111	...	28,011	...	...	2,80,111	7	...
Canal for one mile from the head sluice of the Kurnool anicut	65,000	49,615	...	49,615	...	...	49,615	15,385	...
Main Canal, 1st Section, 17 1/4 miles	11,16,662	11,16,080	...	11,16,080	...	38	11,16,042	20	...
Do. 2nd " 18th to 32nd mile	20,21,299	20,20,917	...	20,20,917	...	38	20,20,879	420	...
Do. 3rd " 33rd to 43rd "	9,85,811	9,30,515	...	9,30,515	...	39	9,30,476	55,335	...
Do. 4th " 44th to 60th "	10,76,313	10,03,477	3	10,03,480	...	125	10,03,355	72,958	...
Do. 5th " 61st to 72nd "	8,88,994	8,89,012	...	8,89,012	...	38	8,88,974	20	...
Do. 6th " 73rd to 92nd "	9,46,394	8,76,728	...	8,76,728	119	57	8,76,790	69,604	...
Do. 7th " 93rd to 113th "	7,65,161	6,95,452	1	6,95,453	...	...	6,95,453	69,708	...
Do. 8th " 114th to 143rd "	8,36,551	8,36,592	...	8,36,592	...	...	8,36,592	...	41
Do. 9th " 144th to 178th "	9,62,114	8,03,601	...	8,03,601	250	...	8,03,851	1,58,263	...
Do. 10th " 179th to 186th "	2,57,266	1,96,475	...	1,96,475	...	251	1,96,224	61,042	...
Adjustment of Madras Stores	...	...	17,170	17,170	...	361	16,809	...	16,809
Total	1,16,04,045	1,07,38,862	17,327	1,07,56,189	369	1,032	1,07,55,526	8,65,369	16,850
Distribution.									
Branch channels and sluices of 1st Section	7,003	5,718	...	5,718	...	...	5,718	1,285	...
Distribution works of 2nd Section	6,000	5,335	...	5,335	...	...	5,335	665	...
Do. do. of 3rd "	11,176	10,508	...	10,508	...	...	10,508	668	...
Do. do. of 4th "	47,102	34,605	...	34,605	...	...	34,605	12,497	...
Constructing a bund across the canal in the 45th mile of do.	76	74	...	74	...	...	74	2	...
Distribution works of 5th Section	21,077	9,905	250	10,155	...	...	10,155	10,922	...
Do. do. of 6th "	72,453	44,776	3	44,779	...	...	44,779	27,674	...
Do. do. of 7th "	47,518	22,967	...	22,967	...	...	22,967	24,551	...
Do. do. of 8th "	61,650	42,252	481	42,736	...	...	42,736	18,914	...

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Do. do. of 9th "	51,175	35,556	23	35,579	...	...	35,579	15,596	...
Do. do. of 10th "	15,017	11,182	219	11,401	...	...	11,401	3,616	...
Do. do. at Sookasala	946	945	...	945	...	...	945	1	...
Kurnool Town Water-supply	1,639	1,452	...	1,452	...	...	1,452	247	...
Total	3,42,892	2,25,275	979	2,26,254	...	...	2,26,254	1,16,640	...
Breach repairs of August 1870	62,440	54,084	...	54,084	...	...	54,084	8,356	...
<i>Buildings.</i>									
Central Hospital, with out-houses and compound wall at Kurnool	5,050	4,908	...	4,908	...	...	4,908	142	...
Repairs to do. do.	68	60	...	60	...	...	60	8	...
Overseer's hut at Kurnool	1,215	...	...	...	...	...	...	1,245	...
Office, Store-house, and Workshop at Sookasala.	6,037	6,037	...	6,037	...	...	6,037	...	...
Powder Magazine, Store, and Station roads at Bowmanay	4,397	4,397	...	4,397	...	...	4,397	...	...
Office, Store-room, and Artificers' shed at do.	7,298	7,601	...	7,601	...	...	7,601	345	...
Repairing the above buildings at do.	...	...	...	...	...	...	...	...	...
Improvement of the road approaching the above buildings and repairing culverts at do.	578	320	...	320	...	...	320	258	...
Converting the unfinished building intended for a Gun-powder Manufactory into a hospital at do.	427	31	...	31	...	...	31	396	...
Office and Store building at Valapanoor	2,008	2,007	...	2,007	...	...	2,007	1	...
Repairs to Valapanoor bungalow	604	604	...	604	...	...	604	...	...
Overseer's house and store at Valapanoor	558	436	...	436	...	14	422	136	...
Office and store at Jupaud in Nagatore Division	4,159	4,158	...	4,158	...	...	4,158	632	...
Repairs to Jupaud Bungalow in do.	1,000	368	...	368	...	...	368	372	...
Overseer's and Dresser's house at Jupaud	8,977	8,866	...	8,866	...	...	8,866	111	...
Office and store at Puggydial in do.	297	282	...	282	...	...	282	15	...
Overseer's house at do.	5,324	5,323	...	5,323	...	...	5,323	1	...
Office and store at Chintagoonta in Koondaur do.	642	204	...	204	...	...	204	438	...
Do. and temporary store-shed at Ayalore in do.	327	311	...	311	...	...	311	16	...
Repairs to Anicut Office at Zorapore	30,612	15,885	67	15,952	...	142	15,810	14,892	...
Office, Store, and Workshop at Kurnool	148	...	...	...	...	...	142	6	...
Workshop latrine at do.	...	15,297	...	15,297	...	...	15,297	31	...
Iron and Brass Foundry at do.	...	...	...	...	...	...	...	...	...
Room for receiving and despatching stores at do.	15,328	15,297	...	15,297	...	...	15,297	...	...

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Works.	Amount of Estimate.	Expenditure up to 30th September 1874.	Cost during the quarter ended 31st December 1874.	Total Expenditure.	Add amount transferred to this from other Work.	Deduct refunds from this to other Works.	Total Net Expenditure.	Amount.	
								Available.	Increase of Estimate.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
<i>Buildings—(Concluded.)</i>									
Quarters for Sub-Assistant Engineer and Assistant Surveyors at Koodaaur ...	1,236	566	...	566	...	...	566	670	...
Engineer's Bungalow at Dhoor ...	4,980	4,965	...	4,965	...	...	4,965	15	...
Sluice-keepers' huts ...	3,200	2,912	...	2,912	...	...	2,912	288	...
Overseer's house at Beemapaud ...	...	...	68	68	...	...	68	...	68
Total ...	1,00,725	80,743	135	80,878	142	156	80,864	19,929	68
Line of Telegraph ...	72,032	63,914	...	63,914	...	...	63,914	5,118	...
Grand Total ...	1,21,82,134	1,11,65,878	18,441	1,11,84,319	511	1,188	1,11,83,642	10,15,412	16,918

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4th June 1875.

4. QUARTER'S EXPENDITURE.—It will be remarked that the expenditure of the quarter is shown to have been Rupees 18,441, and the net total outlay up to 31st December 1874 Rupees 1,11,83,642.

5. EXCESS EXPENDITURE.—The subjoined statement shows the expenditure in excess of sanction at the end of the quarter to have been Rupees 16,918.

Works.	Excess Expenditure up to 30th Sept. 1874.	Excess Expenditure during the quarter ended 31st Dec. 1874.	Total.	Add transferred to this from other Works.	Deduct Refund.	Excess Net Expenditure on 31st December 1874.
	RS.	RS.	RS.	RS.	RS.	RS.
<i>Main Supply.</i>						
Aqueduct across the river Hindry ...	3,786	...	...	...	...	...
Deduct amount sanctioned during the quarter ...	3,793	...	...	...	...	...
Main Canal, 1st Section ...	8,752	...	...	...	...	...
Deduct amount sanctioned during the quarter ...	8,734	...	18	...	38	...
Main Canal, 2nd Section ...	19,330	...	...	...	...	...
Deduct amount sanctioned during the quarter ...	19,312	...	18	...	38	...
Main Canal, 5th Section ...	7,099	...	...	...	...	...
Deduct amount sanctioned during the quarter ...	7,081	...	18	...	38	...
Main Canal, 8th Section ...	10,966	...	...	...	...	...
Deduct amount sanctioned during the quarter ...	10,925	...	41	...	...	41
Adjustment of Madras Stores ...	...	17,170	17,170	...	361	16,809
Total ...	95	17,170	17,265	...	475	16,850
<i>Distribution.</i>						
Distribution works at Soonkasala ...	20	...	...	...	...	...
Deduct amount sanctioned during the quarter ...	21	...	...	...	...	...
<i>Buildings.</i>						
Office, Store-house, and Workshop at Soonkasala ...	51	...	...	...	...	...
Deduct amount sanctioned during the quarter ...	51	...	...	...	...	...

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Works.	Excess Expenditure up to 30th Sept. 1874.	Excess Expenditure during the quarter ended 31st Dec. 1874.	Total.	Add transferred to this from other Works.	Deduct Refund.	Excess Net Expenditure on 31st December 1874.
<i>Buildings.—(Concluded.)</i>	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Powder Magazine, Store, and Station roads at Bowanasy ...	38	}	/	...	...	...
Deduct amount sanctioned during the quarter ...	38					
Office and Store building at Valapanoor	17	}	...	...	...	...
Deduct amount sanctioned during the quarter ...	18					
Repairs to Valapanoor Bungalow	5	}	...	...	...	...
Deduct amount sanctioned during the quarter ...	5					
Office and Store at Jupaud ...	35	}	...	...	...	...
Deduct amount sanctioned during the quarter ...	36					
Office and Store at Chintagoonta ...	40	}	...	...	...	...
Deduct amount sanctioned during the quarter ...	41					
Overseer's house at Beemapaud ...	...	68	68	...	...	68
Total ...	...	68	68	...	...	68
Grand Total ...	95	17,238	17,333	...	475	16,918

6. The excess expenditure under the head "Adjustment of Madras Stores" will be adjusted in the accounts of the next quarter, and the Chief Engineer and Manager will be asked to adjust the other excesses at an early date.

7. ESTIMATES SUBMITTED TO, AND SANCTIONED BY, GOVERNMENT DURING THE QUARTER.—A supplemental estimate of Rupees 3,500 for repairing the canal from 7th to the 10th section was sanctioned by Government during the quarter.

8. COST OF ESTABLISHMENTS.—The cost of executive permanent establishments amounts for this quarter to 25.07 per cent. on the expenditure for construction, that of temporary establishments to 0.05 per cent. and that of general management to Rupees 26.57 per cent.

9. TOTAL COST OF ESTABLISHMENTS.—The total cost of the permanent establishments was, therefore, 51.64, and of temporary establishments 0.05 per cent. on the expenditure.

*Proceedings of the Madras Government, Public Works Department,
4th June 1875.*

No. 114. ORDER THEREON, 4th June 1875, No. 1,579.

IRRIGATION, No. 10.

ORDERED that this report be forwarded to the Home Government.

(True Extract.)

Major, R.E.,

Officiating Joint Secretary to Government.

To the Chief Engineer for Irrigation.
" Examiner, Irrigation Accounts.

Exd. A. Grubert.

Spare Copies

17th May 1875

No. 26

From

The Chief Engineer
for Irrigation.

To The Secretary to Government.
P. O. D.

Sir,

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
31st December 1874.

Expenditure
during the quarter.

The total expenditure
for the period under review amounts
to Rs. 10441 as compared with
Rs. 2743 in the previous quarter.
The following is a
Statement in tabular form of the
items on which the above outlay
was made.

A.

No. of Section or
name of work.

Amount Nature of expenditure.

Main Supply.

1st Section

4th D.

7th D.

Alteration of Calingula

2 12 10 General Contingen

15 6 Alteration of Calingula

Amount of Head works at

Comau in drain

Adjustment of Madras Street

15 2 12 General Contingen

3 7 This will be appor

to main Canal, Distr

Building in the ney

quarters Report.

Distribution.

5th Section

6th D.

8th D.

9th D.

10th D.

249 9 7

3 1 3

483 11 3

22 1 11

219 14 10

Buildings.

Office, Street Workshop at Thannal 67 2 7

Quarters house at Beempan 68 5 5

Total Rs. 1844 1 11

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

Works

Particulars	Actual Expenditure	Sanctioned Estimate
General Contingent	116 6 12	116 6 12
Alteration of Calingula	2 12 10	2 12 10
Alteration of Calingula	15 6	15 6
Amount of Head works at Comau in drain	15 2 12	15 2 12
Adjustment of Madras Street	3 7	3 7
Distribution	249 9 7	249 9 7
Buildings	135 7 12	135 7 12
Office, Street Workshop at Thannal	67 2 7	67 2 7
Quarters house at Beempan	68 5 5	68 5 5
Total	1844 1 11	1844 1 11

1840

1. It will be remarked that the expenditure of the quarter is shown to have been Rs. 1841, and the mid-total not coming up to 31st December 1871, Rs. 11183 6 12.

5. The Subjoined Statement shows the expenditure in excess of sanction at the end of the quarter to have been Rs. 16918.

Boyle.

[illegible]Alvin S. Apple

Main Canals		Deduct Amount Sanctioned during the quarter		Total	
Main Canal 1 st Section	87527	18	38	17170	17170
Deduct Amount Sanctioned during the quarter	18				
Main Canal 2 nd Section	193207	18	38	17170	17170
Deduct Amount Sanctioned during the quarter	18				
Main Canal 5 th Section	70997	18	38	17170	17170
Deduct Amount Sanctioned during the quarter	18				
Main Canal 8 th Section	109667	18	38	17170	17170
Deduct Amount Sanctioned during the quarter	18				
Adjustment of Graduated Store				17170	17170
Total				17170	17170

Distribution

<u>Distribution</u>	
Distribution Works at Seonkhalala	207
Direct Amount Sanctioned during the quarter	21
	<u>21</u>

[illegible]

Buildings.

Office, Store house & Workshop at Sukkale	51	}	"	"	"	"
Deduct Amount sanctioned during the quarter	51					
	<u>4</u>					
Consider Magazine Store & Station Roads at Bowanasery	38	}	"	"	"	"
Deduct Amount sanctioned during the quarter	38					
	<u>4</u>					
Office & Store Building at Valapannoor	17	}	"	"	"	"
Deduct Amount sanctioned during the quarter	18					
	<u>4</u>					
Repairs to Valapannoor Wringalaw	5	}	"	"	"	"
Deduct Amount sanctioned during the quarter	5					
	<u>4</u>					
Office & Store at Inpand	35	}	"	"	"	"
Deduct Amount sanctioned during the quarter	36					
	<u>4</u>					
Office & Store at Chintagoonta	40	}	"	"	"	"
Deduct Amount sanctioned during the quarter	41					
	<u>4</u>					
Quartermaster's house at Decempanamb	68	}	"	"	"	"
	68					
	<u>4</u>					
Total	68					
Grand Total	95					
	17238	17333				17510

The excess expenditure under the head "Adjustment of Madras Stores" will be adjusted in the accounts of the next quarter, and the Chief Engineer and Manager will be asked to adjust the other expenses at an early date.

Supplemental

Estimates 7. A supplemental estimate of Submittal to the Government for repairing the Canal from the 7th to the 10th Section was sanctioned during the quarter.

Cost of 8. The cost of execution permanent establishments amounts to for the quarter to 25.07 per cent, on the expenditure for construction, that of temporary establishments to 0.05 per cent, and that of general management to 26.57 per cent.

Total Cost of 9. The total cost of the permanent establishments was therefore, 51.64, and of temporary establishments 0.05 per cent on the expenditure.

I have the honor to be
Sir,

Your most Obedient Servant.

Leut. Col. R. R.

Chief Eng. for Irrigation.

P. W. 1875-1876

Ms 26 No: 3353

From
the Cheilung
brigade

To the Secretary of
Government
P. M. D.

Date 17th May 1875
Died 20.3
Aged: 20.

Submits report of expenditure incurred by works of the W. & A. Co during the quarter ended 31. Dec/24.

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666 1875
BIBLIOGRAPHIC

Mr. Chapman
his wife

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 $\mathcal{H}^2$
 $\mathcal{H}^3$

103-113-114

Maduro's situation and
Civil. Longfellow —
The progress report of
the — for the quarter
ending 31st December
1874 to be forwarded
to the above Government.