

(1) Number of pages 122

(2) Date of repair 12-2-37

(3) Initials of the Referencer

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. <u>321</u>	Press Mis.
Dated <u>6-1-37</u>	18 <u>72</u> .

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
6th April 1872.*

No. 100. Read the following letter from the Acting Chief Engineer for Irrigation, to the Secretary to Government, Public Works Department, dated Fort St. George, 27th March 1872, No. 125 :—

I HAVE the honour to submit the following report on the progress made in the works of the Madras Irrigation and Canal Company during the quarter ended 30th September 1871.

Expenditure during the quarter.—The total expenditure for the period under review amounted to Rupees 83,644, as compared with Rupees 2,01,879 for the previous quarter.

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

1st Section, Main Canal (including head-works).—Rupees 685-10-1 on the 1st Section, Main Canal, 1 to 17½ miles, the items being—

	RS.	A.	P.
Anicut and head-works	0	13	7
Earthwork	142	1	9
Revetment and shingling	140	0	0
One culvert	317	2	0
Three waste weirs	75	8	9
Special superintendence and sundries	10	0	0

2nd Section.—Rupees 1,978-15-9 on the 2nd Section, from the 17½ to the 32nd mile, the particulars being—

Earthwork	818	10	8
Canal walls	1,097	10	0
Bridge, second class, for Poodoor	9	10	8
One waste weir, No. 15	9	9	7
Scouring sluice „ 12	12	0	0
Contingencies	31	6	10

3rd Section.—Rupees 3,275-9-11 on the 3rd Section, from the 33rd to the 43rd mile, the details being—

Excavation and embankment	1,785	6	10
Revetment	7	4	0
Masonry wall in banks	66	0	0
Trimming and sloping banks	2	3	2
Two waste weirs	40	0	4
Sultanpoor tunnel	581	8	6
Scouring sluice of eight vents	5	9	1
Bridge, third class, at Satanicotta	314	2	1
Do., do. at Muddygutla	422	15	11
Contingencies for earth and masonry works	50	8	0

4th Section.—Rupees 100-2-8 on the 4th Section, or miles 44 to 60 of the canal, namely on—

Excavation and embankment	30	0	0
Bridge No. 2 at 60th mile	8	0	0
Contingencies for earth and masonry works	62	2	8

5th Section.—Rupees 2,871-11-0 on the 5th Section, from the 61st to the 72nd mile, the items being—

Excavation and embankment	2,860	9	8
Scouring sluice and channel	4	8	0
Bridge, second class, at Pummulpaud	5	9	4
Contingencies	1	0	0

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6th Section.—Rupees 3,230-3-6 on the 6th Section, or miles 73 to 91, namely—

	RS.	A.	P.
Lock No. 1, regulating	0	12	0
Do. „ 2A	6	6	0
Do. „ 4, with culvert roadway	15	11	9
Do. „ 5, „ „	4	4	0
Do. „ 6, with three culverts to 15 span	4	4	0
Do. „ 7, with culvert roadway	99	14	0
Lock gate	3,042	13	9
Contingencies including cost for the repair of the Ayaloor bungalow	56	2	0

7th Section.—Rupees 3,980-12-2 on the 7th Section, miles 92 to 114, for—

Embankment and cutting	1,626	8	8
Anicut and head-works	29	9	0
Regulating lock	200	2	11
Two waste weirs	53	6	4
Bridge, second class, 93rd mile	19	4	0
Do. „ „ 96th „	54	9	7
Do. „ „ 98th „	53	5	4
Do. third „ 100th „	422	2	0
Do. second „ 102nd „	213	6	7
Do. „ „ 105th „	80	6	8
Do. first „ 107th „ Ayaloor	178	2	0
Do. second „ 110th „	84	9	0
Do. first „ 112th „	48	12	0
Four culverts	461	1	4
Aqueduct No. 19	53	10	0
Do. „ 20	278	10	0
Contingencies	37	2	9

8th Section.—Rupees 14,163-13-7 on the 8th Section, miles 115 to 143, the items being—

Embankment and cutting	3,035	13	1
Lock of 10 feet lift at 117th mile	481	13	5
Do. do. do. at 118th do.	478	3	5
Do. do. do. at 121st do.	431	13	5
Do. do. do. at 122nd do.	320	13	5
Do. do. do. at 123rd do.	373	4	5
Do. do. do. at 124th do.	290	13	5
Do. do. do. at 125th do.	342	12	5
Do. do. do. at 126th do.	476	10	11
Do. do. do. at 137th do.	422	14	0
Do. do. do. at 115th do.	403	7	5
Do. of 8 do. at 119th do.	1,902	7	1
Do. of 7 do. at 129th do.	246	7	11
Do. of 13½ do. at 132nd do.	372	5	5
Do. of 13½ do. at 136th do.	322	8	1
Do. of 12 do. at 140th do.	503	2	11
Do. do. do. at 142nd do.	421	14	7
Do. of 11 do. at 144th do.	232	0	8
Bridge, second-class, at 114th do.	21	6	5
Two culverts	158	0	0

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	RS.	A.	P.
Seven waste weirs	2,723	7	6
Bridges at 131th, 135th, and 143rd miles...	83	9	8
Special superintendence and sundries	108	0	0

9th Section.—Rupees 14,182-6-3 on the 9th Section, or miles 144 to 178 of the canal, namely on—

Earthwork	2,976	0	11
Head-sluice at Rajoly	148	14	10
Lock of 8 feet drop at 169th mile	1,359	11	11
Do. of 10 do. at 169th do.	1,349	9	10
Do. of 10 do. at 170th do.	1,342	4	5
Do. of 10 do. at 171st do.	1,335	14	9
Do. of 12 do. at 171st do.	1,332	14	6
Do. of 10 do. at 172nd do.	1,342	8	6
Do. of 10 do. at 174th do.	1,354	2	1
Do. of 8 do. at 174th do.	1,319	5	5
Do. of 10 do. at 176th do.	78	1	1
Do. of 13 do. at 177th do.	29	5	4
Two culverts	8	0	0
Over-bridge	92	0	8
Stores	83	8	0
Special superintendence and sundries for earthwork			

10th Section.—Rupees 634-7-7 on the 10th Section, miles 179 to 186 of the canal, the particulars being—

Excavation and embankment	23	4	5
Head lock and bridge at Adamapully	42	6	11
Aqueduct over Punkalawunka	70	12	0
Scouring sluice at terminus	63	7	9
Contingencies for earthwork	434	8	6

Adamapully Anicut.—Rupees 39 were expended on this work.

3. Distribution Works.—The outlay on works of distribution was Rupees 32,508-3-7, namely, on the—

1st Section	164	6	0
2nd do.	68	15	11
4th do.	442	2	7
5th do.	1,073	14	5
6th do.	1,358	13	4
7th do.	8,701	1	0
8th do.	9,074	3	4
9th do.	10,567	9	1
10th do.	1,057	1	11

4. Breach repairs of August 1870.—The outlay on breach repairs was Rupees 3,076-5-7 on the items shown below—

	RS.	A.	P.
Soonkasala Anicut	93	5	4
1st Section, Main Canal	2,853	6	11
2nd do. do.	129	9	4

5. Buildings.—Rupees 2,134-7-2 were expended under this head on sluice-keepers' huts.

6. Telegraph line.—Rupees 772-15-1 were expended on the telegraph line from Soonkasala to Cuddapah.

7. Abstract of Expenditure.—The following statement shows the expenditure on all works from the commencement to the close of the quarter compared with the sanctioned estimates :—

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6th April 1872.

Works.	Amount of Estimate.	Expenditure up to 30th June 1871.	Cost during the quarter ended 30th Sept. 1871.	Total Expenditure.	Add amount transferred to this from other works.	Deduct re-funds to this from other works.	Total Net Expenditure.	AMOUNT.	
								Available.	Increase of Estimate.
Main Supply.									
Anicut and head-works at Kurnool	RS. 3,03,080	RS. 60,327	RS.	RS. 60,327	RS.	RS.	RS. 60,327	RS. 2,42,753	RS.
Do. do. at Soonkasala	4,85,122	4,70,209	1	4,70,210	....	....	4,70,210	14,912	....
Do. do. at Somaiswaram	1,71,727	66,134	....	66,134	....	....	66,134	1,05,593	....
Do. do. at Adamapally	3,44,440	4,39,147	39	4,39,186	....	111	4,39,075	....	94,635
Aqueduct across the river Hindry	2,76,250	2,76,325	....	2,76,325	....	....	2,76,325	....	75
Canal for one mile from the head-slue of Kurnool Anicut	65,000	49,285	....	49,285	....	....	49,285	15,715	....
Main Canal, 1st Section, 174 miles.	10,73,687	10,96,602	685	10,97,287	....	....	10,97,287	....	23,600
Do. 2nd do., 18th to 32nd mile	19,63,370	19,67,726	1,979	19,69,705	....	....	19,69,705	....	6,335
Do. 3rd do., 33rd to 43rd do.	9,75,790	9,08,599	3,275	9,11,874	....	....	9,11,874	63,916	....
Do. 4th do., 44th to 60th do.	10,55,521	9,79,968	101	9,80,069	....	....	9,80,069	75,452	....
Do. 5th do., 61st to 72nd do.	8,80,738	8,71,282	2,872	8,74,154	....	....	8,74,154	6,584	....
Do. 6th do., 73rd to 91st do.	9,44,521	8,59,113	3,230	8,62,343	....	....	8,62,343	82,178	....
Do. 7th do., 92nd to 114th do.	7,43,421	6,60,968	3,990	6,64,958	....	....	6,64,958	78,463	....
Do. 8th do., 115th to 143rd do.	7,80,111	8,06,896	14,164	8,21,060	40	20	8,21,100	....	40,989
Do. 9th do., 144th to 178th do.	9,45,837	7,64,067	14,182	7,78,249	....	....	7,78,229	1,67,608	....
Do. 10th do., 179th to 186th do.	2,56,327	1,92,400	634	1,93,034	....	....	1,93,034	63,293	....
Total...	1,12,64,942	1,04,69,048	45,152	1,05,14,200	40	131	1,05,14,109	9,16,467	1,65,634
Distribution.									
Branch channels and sluices of 1st Section	7,003	5,210	164	5,374	....	....	5,374	1,629	....
Distribution works of 2nd do.	6,000	5,021	69	5,090	....	....	5,090	910	....
Do. do. of 3rd do.	11,150	10,196	....	10,196	....	....	10,196	954	....
Do. do. of 4th do.	46,777	32,696	442	33,138	....	....	33,138	13,639	....
Constructing a bund across the canal in the 45th mile, 4th Section	76	73	....	73	....	....	73	3	....
Distribution works of 5th Section	20,550	7,998	1,074	9,072	....	....	9,072	11,478	....
Do. do. of 6th do.	71,400	38,642	1,359	40,001	....	....	40,001	31,399	....
Do. do. of 7th do.	42,045	4,297	8,701	12,998	....	....	12,998	29,047	....
Do. do. of 8th do.	49,000	5,628	9,071	14,702	....	....	14,702	24,298	....
Do. do. of 9th do.	46,448	6,469	10,568	17,037	....	....	17,037	29,411	....
Do. do. of 10th do.	10,000	4,096	1,057	5,153			5,153	4,817	
Do. do. at Soonkasala	925	925		925			925		

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Kurnool Town water-supply	1,609	1,417		1,417			1,417	282	
Total...	3,13,073	1,22,668	32,508	1,55,176			1,55,176	1,57,897	
Breach repairs of August 1870	68,570	56,629	3,077	59,706	.....	.....	59,706	8,804	.....
<i>Buildings.</i>									
Central Hospital, with out-Louises and compound wall, at Kurnool	5,050	4,781	.....	4,781	.....	.....	4,781	269	.....
Repairs to do. do.	68	60	.....	60	.....	.....	60	8	.....
Overseer's hut at Kurnool	1,245	.....	.....	.....	.....	.....	.....	1,245	39
Office, Storehouse, and Workshop at Soonkasala.	5,947	5,986	.....	5,986	.....	.....	5,986	.....	.....
Powder Magazine, Store, and Station roads at Bowanassy Division	4,359	4,359	.....	4,359	.....	.....	4,359	.....	.....
Office, Store-room, and Artificers' shed at do. ...	7,298 } 648 }	7,523 }	.....	7,523 }	.....	.....	7,523 }	423	.....
Repairing the above buildings ...	.....	.....	.....	.....	.....	.....	.....	.....	.....
Improvement of the road approaching to the above buildings, and repairing culverts at Bowanassy.	578	318	.....	318	.....	.....	318	260	.....
Converting the unfinished building intended for a Gun Powder Manufactory into a Hospital at Bowanassy	427	31	.....	31	.....	.....	31	396	20
Office and Store building at Valapanoor in do. ...	1,970	1,990	.....	1,990	.....	.....	1,990	.....	659
Do. do. at Juppand in Nagatoor Division	4,123	4,782	.....	4,782	.....	.....	4,782	.....	.....
Do. do. at Puggayal in do.	3,977	3,833	.....	3,833	.....	.....	3,833	141	.....
Do. do. at Chintagoonta in Koodaur Division.	5,283	5,278	.....	5,278	.....	.....	5,278	5	.....
Do and temporary Store-shed at Ayalore in do.	612	67	.....	67	.....	.....	67	575	.....
Repairs to Ancient Office at Zorapore	327	308	.....	308	.....	.....	308	19	.....
Office, Store, and Workshop at Kurnool	30,612	15,158	.....	15,158	.....	.....	15,158	15,454	.....
Iron and Brass Foundry at do.	15,328	15,168	.....	15,168	.....	.....	15,168	160	.....
Room for receiving and despatching stores at do....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Quarters for Sub-Assistant Engineers and Assistant Surveyors at Koodaur	1,236	561	.....	561	.....	.....	561	675	.....
Engineer's bungalow at Dhoor	4,980	4,923	.....	4,923	.....	.....	4,923	57	.....
Sluice-keepers' Luts	3,200	.....	2,134	2,134	.....	.....	2,134	1,066	.....
Total...	97,298	75,126	2,134	77,269	.....	.....	77,269	20,756	718
Line of Telegraph	72,000	59,643	773	60,416	.....	.....	60,416	11,584	.....
Grand Total...	1,18,15,883	1,07,83,114	83,614	1,08,66,758	40	131	1,08,66,667	11,15,568	1,66,352

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Quarter's Expenditure.—It will be remarked that the expenditure of the quarter is shown to have been Rupees 83,644, and the net total outlay up to 30th September 1871, Rupees 1,08,66,667.

7. *Excess Expenditure.*—The subjoined statement shows the expenditure in excess of sanction at the end of the quarter to have been Rupees 1,66,352:—

Works.	Excess expenditure up to 30th June 1871.	Excess expenditure during the quarter ended 30th Sept. 1871.	Total.	Add trans-ferred to this from other works.	Deduct refunds.	Excess not expenditure on 30th Sept. 1871.
<i>Main Supply.</i>	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Hindry Aqueduct...	75	...	75	...	...	75
Anicut and head-works at Adamapully	94,707	89	94,716	...	111	94,685
Main Canal, 1st Section	22,915	685	23,600	...	...	21,600
Do. 2nd do.	4,356	1,079	6,335	...	...	6,335
Do. 8th do.	26,785	14,164	40,949	40	...	40,989
Total...	1,48,834	16,867	1,65,705	40	111	1,65,634
<i>Buildings.</i>						
Office, Store-house and Workshop at Soonkasala	39	...	39	...	...	39
Do. do. at Valapanoor	20	...	20	...	...	20
Do. do. at Jupaud	659	...	659	...	...	659
Total...	719	...	719	...	...	719
Grand Total...	1,49,558	16,867	1,66,423	40	111	1,66,352

8. *Preparation of Revised Estimates.*—The Agent, whose attention has been called to the excess expenditure shown in the foregoing statement, states that the matter is now under the consideration of the Acting Chief Engineer with a view to revised estimates being submitted.

9. *Estimates submitted to Government during the quarter.*—The following estimates were received from the Agent and submitted to Government during the quarter:—

(1.) Estimate for the maintenance of the line of Telegraph for 1871-72	Rs.	A.	P.
...	2,812	0	0
(2.) Estimate for repairing the Hindry Office and Store-room.	700	0	0
(3.) Do. do. Ayaloor Bungalow	1,293	6	4
(4.) Revised estimate for the Anicut and Head Works at Adamapully	41,560	0	0

Estimates sanctioned.—Of these the first three received the sanction of Government during the quarter, and the last was returned to the Agent for revision.

Cost of Establishments.—The cost of executive permanent establishments amounts for this quarter to 14·3 per cent. on the expenditure for construction; that of the temporary establishments to ·5 per cent; and that of the general management to 20·0 per cent.

Total cost of Establishments.—The total cost of the permanent establishment was therefore 34·3, and of temporary establishment ·5 per cent. on the expenditure.

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No. 110. ORDER THEREON, 6th April 1872, No. 921.

IRRIGATION, No. 5.

ORDERED that this Report be forwarded to the Home Government.

(True Extract.)

Colonel, R.E.,

Secretary to Government.

To the Acting Chief Engineer for Irrigation.
.. Agent and Manager of the Madras Irrigation and Canal Company.

Edw. F. Gage
27 March 1872.

No 125

From The Acting Chief Engineer for Irrigation
to The Secretary to Government
P. W. Department.

Sir

I have the honor to submit the following report
on the progress made in the works of the Hindustan
Irrigation and Canal Company during the Quarter
ended 30th September 1871.

Expenditure
during the
Quarter

The total expenditure for the period under review
amounted to Rs 88644 as compared with Rs 201879 for
the previous quarter.

2. The following is a detailed statement of the items
on which the above outlay was made.

P. Section
Main Canal
(including head
works)

Revised 685-10-1 on the P. Section Main Canal
1 to 17 1/4 miles the items being—
 Agent and head work ————— Rs ——— 13-7
 Earthwork ————— 142-1-9
 Revetment and shingling ————— 140-0-0
 The Culvert ————— 317-2-0
 Three waste weirs ————— 75-8-4
 Fuel, Lubrication and Sundries ————— 10-0-0

Estimated 1475.15.4 on the 2nd Section from the 1st Section
17 1/2 to the 32nd mile, the particulars being:

Earthwork	Rs 35.10.8
Final walls	1097.10.0
Bridge 2nd Class for Footroad	7.10.8
Two waste weir No 15	9.9.7
Clearing Shrub No 12	12.0.0
Contingencies	31.6.10.

Estimated 3275.4.11 on the 3rd Section from the 32nd 5th Section
to the 43rd mile the details being:

Excavation and embankment	Rs 1788.6.10
Perpetual	7.4.0
Masonry walls in banks	05.0.0
Trimming and sloping banks	2.3.2
Two waste weir	46.0.0
Footroad Tunnel	551.8.6
Clearing Shrub of 8 Acres	5.9.1
Bridge 3rd Class at Tatanicotta	314.2.1
do do Muddy gutta	422.15.11
Contingencies for earth & masonry work	50.5.0

Estimated 100.2.8 on the 4th Section or miles 44 to 60 of the final namely on:

Excavation and embankment	Rs 30.0.0
Bridge No 2 at 60th mile	5.0.0

5th Section

Estimated 2871.11.0 on the 5th Section from the
61st to the 72nd mile the details being:

Excavation and embankment	Rs 2860.9.8
Clearing Shrub and Channel	4.8.0
Bridge 2nd Class at Pinnimilpand	5.9.4
Contingencies	1.0.0

6th Section

Estimated 3230.3.6 on the 6th Section on
miles 73 to 91 namely:

Lock No 1 Regulating	Rs 12.0.0
do 2 do	6.6.0
do 4 with culvert roadway	15.11.9
do 5 do do	4.4.0
do 6 with 3 culverts to 15 spans	4.4.0
do 7 with culvert roadway	99.14.0
Lock Gate	3042.13.9
Contingencies including cost for the repair of the Dyaboor Bungaboor.	56.2.0

7th Section

Estimated 3484.12.2 on the 7th Section, miles
92 to 114 for:

Embankment and cutting	Rs 1626.5.0
Arment and head work	29.9.0
Regulating Lock	290.2.0
Two waste weir	55.6.0

Bridge 2nd class - 93rd mile	28-12-4
do do 95th	5-12-7
do do 95th	33-12-4
do 3rd 111th	222-2-2
do 2nd 112th	213-6-7
do 2nd 115th	82-0-5
do 1st 117th Aqueduct	175-2-4
do 2nd 118th	34-7-1
do 1st 119th	45-12-1
Four culverts	46-12-4
Aqueduct No 19	63-1-1
do do 20	275-12-1
Contingencies	57-2-9

Expended 14163-13.7 on the 5th Section miles 115 to 143, the item being:	5th Section
Embarkment and cutting	28 3:35-13-1
Lock of 10 feet lift at 117th mile	49-13-5
do do 118th	478-3-5
do do 120th	431-13-5
do do 122nd	320-3-5
do do 123rd	373-2-5
do do 124th	240-3-5
do do 125th	322-12-5
do do 126th	276-12-1
do do 127th	222-12-1
do do 128th	

Lock of 8 feet lift at 119th mile	Rs 1902-7-1
do of 7 129th	246-7-11
do of 13 1/2 132nd	372-5-5
do of 13 1/2 136th	322-8-1
do of 12 140th	523-2-11
do do 142nd	424-14-7
do of 11 144th	232-8-8
Bridge 2nd class 144th	21-6-5
Two culverts	158-1-1
Seven waste weirs	2723-7-6
Bridges at 134th, 135th & 140th miles	88-9-8
Special Superintendence and Sundries	100-1-1

9th Section

Expended 14182-6.3 on the 9th Section miles 144 to 178 of the Canal, namely on:	
Earthwork	Rs 2976-1-11
Head sluice at Rajah	148-14-10
Lock of 8 feet drop at 169th mile	1357-11-11
do 10 169th	1349-9-10
do do 170th	1342-4-5
do 12 171st	1335-14-9
do 10 172nd	1332-14-6
do 10 174th	1342-8-6
do 8 174th	1354-2-1
do 10 176th	1349-5-5
do 13 177th	78-1-1
Two culverts	29-5-4

Bore Bridge _____ Rs 8. . . .
 Stores _____ 92. . . . 8
 Special Superintendence & salaries for earthwork _____ 53. 8. .

Rupees 634.7.7 on the 10th Section miles 173 10th Section
 to 156 of the Canal the particulars being:

Excavation & Embankment _____ Rs 23.4.5
 Head Lock and bridge at Adanapully _____ 42.6.11
 Aqueduct over Puntkalawontia _____ 70.12. .
 Scouring sluice at Teruvind _____ 63.7.9
 Contingencies for earthwork _____ 434.5.6

Rupees 39 were expended on this of Adanapully
 work.

3. The outlay on works of Distribution was Distribution
 Rupees 92505.3.7. namely on the. Works

1st Section _____ Rs 164.6. .
 2nd " " _____ 68.15.11
 4th " " _____ 442.2.7
 5th " " _____ 1073.14.5
 6th " " _____ 1358.13.44
 7th " " _____ 8701.1. .
 8th " " _____ 9074.3.44
 9th " " _____ 10567.9.1
 10th " " _____ 1057.1.11

Breach repairs 4. The outlay on breach repairs was Rupees
 of August 1879. 9076.5.7. in the item shown below:
 Sontkadala Ancient _____ Rs 93.5.4
 1st Section Main Canal _____ 2853.6.11
 2nd " " _____ 129.9.4

Buildings 5. Rupees 2134.7.2 were expended under this
 head on sluice keeper's huts.

Telegraph 6. Rupees 772.15.1 were expended on the Telegraph
 Line line from Sontkadala to Juddapah

Abstract of 7. The following statement shows the ex-
 penditure on all works from the commencement
 to the close of the Quarter compared with the
 sanctioned Estimate.

W. V. K.

Worked

Main Supply

Amount and head works at Kurmool	Expenditure Continuing	Total	Reckoning	Subscriptions	Stated	Amount
do do	303000	60327			60327	203703
do do	48022	470209			470210	14912
do do	17727	66134			66134	105793
do do	306660	439147	39		439186	4
do do	27525	276325			276325	75
do do	65000	49208			49208	15705
do do	107367	1096602	685		1097287	53670
do do	1962370	1967726	1979		1969705	6335
do do	275730	900579	3275		911074	53715
do do	1050221	974968	101		980069	75252
do do	850728	871282	2972		874154	5504
do do	744821	852113	3230		855343	52178
do do	742221	662930	2920		664950	78468
do do	750111	825898	24164		821060	40709
do do	948887	760037	12152		778249	157609
do do	255327	192400	584		192034	63233

Total 1126442 1046948 45152 10514200 20 131 10514109 916467 165334

Distribution

Branch Channels and Shires of 1st Section	7003	5210	164	5374	5374	1629
Distribution's Work of 2nd	6000	5221	69	5290	5290	910
do do 3rd	11150	10196		10196	10196	954
do do 4th	46777	32696	442	33138	33138	1369
Distributing a bund across the canal in the 45th mile 4 5th	76	73		73	73	3
Distribution Work of 5th Section	20530	7998	1074	9072	9072	11478
do do 6th	71400	30642	1359	40001	40001	31399
do do 7th	42046	4297	8701	12998	12998	29047
do do 8th	49000	5228	9074	14702	14702	34298
do do 9th	46448	6469	10568	17037	17037	29411
do do 10th	10000	4096	1057	5153	5153	4047
do do at Sunkadala	926	926		926	926	
Kurmool Lower water supply	1699	1417		1417	1417	282

Total 313070 122668 32508 155176 155176 157897

Branch Repairs of August 1870-

60570 56629 3077 59706 59706 8864

Buildings

Small Hospital with outbuildings & compound wall at Kurnool	5050	4701	4701	4701	269
do do do	60	60	60	60	8
do do do	1245				1245
do do do	5906	5906	5906	5906	29
Magazine Store and Station Road at Bannary Bazar	4359	4359	4359	4359	
do do do	7290	7290	7290	7290	423
do do do	648				
do do do	318	318	318	318	260
do do do	31	31	31	31	396
do do do	1990	1990	1990	1990	20
do do do	4702	4702	4702	4702	659
do do do	3033	3033	3033	3033	144
do do do	5270	5270	5270	5270	5
do do do	67	67	67	67	575
do do do	308	308	308	308	19
do do do	15150	15150	15150	15150	15254
do do do	15168	15168	15168	15168	160
do do do	581	581	581	581	675
do do do	4923	4923	4923	4923	57
do do do	2134	2134	2134	2134	1066
do do do	97290	97290	97290	97290	20758
do do do	72000	72000	72000	72000	11524
Grand Total	1105003	10703114	836444	10866667	115568

Telegraphs

Grand Total	1105003	10703114	836444	10866667	115568
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Quarters Expenditure. It will be remarked that the expenditure of the Quarter is shown to have been Rs 83644 and the net total outlay up to 30th September 1871 Rs 10866667.

The subjoined statement shows the expenditure in works of duration at the end of the Quarter to have been Rs 166352.

	Excess Expenditure up to 30th Sept 1871	Excess Expenditure during the Quarter ended 30th Sept 1871	Total	Add to this from other works	Less Deduct from Refunds in Sept 1871	Excess net up to 30th Sept 1871
<u>Works</u>						
Main Supply	75	75	75			75
Findry Aqueduct	94707	39	94746			111 94635
Arise & Head Works at Ahmadyally	22915	685	23600			23600
Main Canal 1st Section	4356	1979	6335			6335
do 2nd	26785	14164	40949	40		40909
do 3rd						
Total	148838	16867	165705	40	111	165534
<u>Buildings</u>						
Office Storehouse & Workshop at Lunkadala	39	39	39			39
do do do	20	20	20			20
do do do	659	659	659			659
Total	718	718	718			718
Grand Total	149556	16867	166423	40	111	166352

The Agent whose attention has been called Preparation of
to the exact expenditure shown in the foregoing revised estimates.
Statement states that the matter is now under
the consideration of the Acting Chief Engineer
with a view to revised estimates being submitted.

The following estimates were received from Estimates sub.
the Agent and submitted to Government during mitted to Govern
the Quarter. ment during
the Quarter

1) Estimate for the maintenance of }
the Line of Telegraph for 1871-72. } Rs 2812....

2) Estimate for repairing the Hindry }
Office and Store Room } Rs 700....

3) Estimate for repairing the Byaboor }
Bingaboor } Rs 1293-6-4

4) Revised Estimate for the Ancient }
Head Works at Adanapally } Rs 41560....

Of these the first three received the sanction Estimates sent
of Government during the quarter and the last
was returned to the Agent for revision.

The cost of Executive permanent establish. cost of Establish
ments amounts for this quarter to 14.3 per cent - ments.

on the expenditure for construction; that of the
temporary establishments to 5 per cent; and that
of the general management to 20.0 per cent.

Total cost The total cost of the permanent establishments
of establishments was therefore 34.3 and of temporary establishments
5 per cent on the expenditure.

I have the honor to be
Sir

Your most obedt. Servt.

Assault Capt. R. C.

for Ag. Ch. Eng. for Serv.

amped.

H. R.

The Right Honorable
the Secretary of State
for India

My Lord Duke.

1895

We have the
honor to forward the
accompanying Report
on the progress of the
works of the Madras
Irrigation and Canal
Company during the
quarter ending 30th
September 1871 -

[Signature]

[Signature]
12.12.71

From the Secy. to the Govt.
to the Secy. to the Govt.
12.12.71

Dated 27th March 72
Recd 30

Submitted report on the
progress made in
the works of the
Irrigation and Canal
Company during
the quarter ended
30th September 1871
12.12.71

[Signature]

212

No 921.

Ordered that
this report be for-
warded to the Home
Government.

ff

Forwarding Report
on the progress of the
works of the Madras
S. & Co. during the
quarter ending 31
September 1871.

To The Chief Engineer
for Madras
Agent Madras
S. & Co.

Recd 9/4/72

11595
Govt. of Madras.
PUBLIC WORKS.

To
*The Acting Chief Engineer
for Irrigation*

Dated

Recd.

Encl.

G. O. *6th April* No. *921*.

Nos. *109 & 110*

Madras & M. C. S. Works.

Report on the progress
of the Madras & M. C. S.
works during the quarter
ending 30th Sep/71 ordered
to be forwarded to the
Home Govt.