M.R.O. 1—77,006—8-6-37.

(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.		Press / Mis.
856, 857	2944	
Dated	12-12-	1842.

Not to be folded or roughly handled

No. 256. Read the following letter from the Acting Chief Engineer for Irrigation, to the Secretary to Government, Public Works Department, dated Fort St. George, 27th November 1872, No. 56 :—

I HAVE the honour to submit the following report on the progress made with the works of the Madras Irrigation and Canal Company during the quarter ended 30th June 1872.

Expenditure during the Quarter.—The total expenditure for the period under review amounted to Rupees 30,271, as compared with Rupees 27,246 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 476-5-4 on the 1st Section, Main Canal, 1 to 17¼ miles, the items being—

Alteration to Calingulah No. 9 at 16th mile ...	Rupees	463	8 0
Special Superintendence and Sundries	,,	11	6 8
Store and Store charges	,,	1	6 8

2nd Section.—Rupees 8,501-6-2 on the 2nd Section, from the 17½ to the 32nd mile, the particulars being—

Earthwork	Rupees	220	13 4
Masonry wall and puddling, 30th mile	,,	900	0 0
Alteration of calingulah...	,,	1,359	3 2
Repairs of canal	,,	5,982	15 7
Contingencies	,,	11	6 8
Store and Store charges...	,,	26	15 5

3rd Section.—Rupees 1,267-15-2 on the 3rd Section, from the 33rd to the 43rd mile, the details being—

Excavation and embankment	Rupees	550	0 0
Repairs of canal	,,	706	8 6
Contingencies for earth and masonry works	,,	11	6 8

4th Section.—Rupees 3,672-0-4 on the 4th Section, or miles 44 to 60 of the canal, namely, for—

Alteration to Calingulah No. 4	Rupees	3,083	4 9
Repairs of canal	,,	434	0 0
Contingencies for earth and masonry works	,,	154	11 7

5th Section.—Rupees 210 on the 5th Section, from the 61st to the 72nd mile, the items being—

Repairs of canal	Rupees	198	9 4
Contingencies	,,	11	6 8

6th Section.—Rupees 1,637-11-7 on the 6th Section, or miles 73 to 91, namely, for—

Head-sluice	Rupees	11	9 0
Scouring sluice at 73rd mile	,,	12	0 0
Lock No. 1, Regulating...	,,	4	4 7
Do. ,, 2, with second-class bridge	,,	4	4 7
Do. ,, 2A	,,	4	4 7
Do. ,, 3, with 1 culvert	,,	4	4 7
Do. ,, 4, do. do. roadway	,,	4	4 7

Lock No. 5, with 1 culvert roadway	...	...	Rupees	4	4 7
Do. ,, 6, do. 3 do. ...	...	...	,,	4	4 7
Do. ,, 7, do. 1 do. ...	...	...	,,	4	4 7
Do. ,, 8, with bridge, second class	...	...	,,	4	4 7
Do. ,, 9, do. do.	...	...	,,	19	4 7
Do. ,, 9A, do. culverts ...	...	...	,,	4	4 7
Do. ,, 10, do. do. ...	...	...	,,	4	4 7
Do. ,, 11, do. bridge, second class	...	...	,,	153	4 7
Do. ,, 12, do. do.	...	...	,,	4	4 7
Lock gate	...	...	,,	4	4 11
Repairs of canal	...	...	,,	8	0 0
Contingencies	...	...	,,	1,148	14 1
Store and Store charges	...	...	,,	11	6 8

7th Section.—Rupees 2,280-10-9 on the 7th Section, miles 92 to 114, for—

Embankment and cutting ...	...	...	Rupees	64	0 0
Bridge, second class, at 102nd mile	...	...	,,	177	14 0
Culvert 3 8′ opening at 106th do...	...	...	,,	22	10 0
Alteration of Calingulah Nos. 6 and 9	...	...	,,	1,753	4 8
Repairs of canal	...	...	,,	31	10 0
Contingencies for earth and revetment	...	...	,,	13	0 0
Store and Store charges... ...	...	...	,,	215	4 1

8th Section.—Rupees 2,394-14-4 on the 8th Section, miles 115 to 143, the items being—

Lock of 10 feet lift at 117th mile ...	...	...	Rupees	5	5 1
Do. do. do. at 118th do. ...	...	...	,,	5	5 1
Do. do. do. at 121st do. ...	...	...	,,	5	5 1
Do. do. do. at 122nd do. ...	...	...	,,	41	11 1
Do. do. do. at 123rd do. ...	...	...	,,	60	5 1
Do. do. do. at 124th do. ...	...	...	,,	5	5 1
Do. do. do. at 125th do. ...	...	...	,,	5	5 1
Do. do. do. at 126th do. ...	...	...	,,	5	5 1
Do. of 8 do. at 115th do. ...	...	...	,,	85	5 1
Do. of 13½ do. at 119th do. ...	...	...	,,	5	5 1
Repairs of canal	...	...	,,	5	5 2
Special Superintendence and Sundries	...	...	,,	383	5 6
Store and Store charges	...	...	,,	12	8 0

9th Section.—Rupees 2,989-0-11 on the 9th Section, or miles 144 to 178 of the canal, on—

Lock of 8 feet drop at 169th mile ...	...	...	Rupees	66	11 4
Do. 10 do. do. do. ...	...	...	,,	377	3 0
Do. do. do. at 170th do. ...	...	...	,,	66	11 4
Do. of 12 do. at 171st do. ...	...	...	,,	66	11 4
Do. of 10 do. at 172nd do. ...	...	...	,,	66	11 4
Do. do. do. at 174th do. ...	...	...	,,	66	11 4
Do. of 8 do. at 174th do. ...	...	...	,,	66	11 4
Do. of 10 do. at 176th do. ...	...	...	,,	66	11 4
Do. of 13 do. at 177th do. ...	...	...	,,	66	11 4
Repairs of canal	...	...	,,	66	11 4
Special Superintendence and Sundries	...	...	,,	66	11 10
Store and Store charges... ...	...	...	,,	1,067	15 7
			,,	35	0 0
			,,	975	3 2

Adamapully Anicut.—Rupees 500-4-3 on this work, the items being—

Anicut across the Pennair	...	...	Rupees	254	9 3
Repairs of canal	...	...	,,	245	11 0

10th Section.—Rupees 341-2-6 on the 10th Section, miles 179 to 186 of the canal, on—

Head lock and bridge at Adamapully	...	...	Rupees	25	11 9
Waste weir and surplus channel to the Butchumpully tank	...	...	,,	216	8 0
Repairs of canal	...	...	,,	86	6 9
Contingencies for earthwork	...	...	,,	12	8 0

3. *Distribution Works.*—The outlay on works of distribution was Rupees 5,311-2-0, namely, on the—

3rd Section	...	...	Rupees	28	4 10
4th do.	...	...	,,	33	15 8
5th do.	...	...	,,	2	12 5
6th do.	...	...	,,	27	1 11
7th do.	...	...	,,	561	1 4
8th do.	...	...	,,	3,560	15 10
9th do.	...	...	,,	854	9 4
10th do.	...	...	,,	242	4 8

4. *Buildings.*—The outlay under this head was Rupees 362-8-1, the items being—

Repairs to Jupaud Bungalow	...	...	Rupees	123	4 7
Do. to Valapanoor do.	...	...	,,	239	3 6

5. *Telegraph Line.*—Rupees 326-0-3 were expended on the Telegraph Line from Soonkasala to Cuddapah.

6. *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.

Works.	Amount of Estimate.	Expenditure up to 31st March 1872.	Cost during the quarter ended 30th June 1872.	Total Expenditure.	Add amount transferred to this from other works.	Deduct refunds from this to other works.	Total Net Expenditure.	Amount. Available.	Amount. Increase of Estimate.
Main Supply.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Anicut and head-works at Kurnool	3,03,080	60,327	.....	60,327	.....	.....	60,327	2,42,753	.....
Do. do. at Soonkasala	4,85,122	4,70,212	.....	4,70,212	.....	.....	4,70,212	14,910	.....
Do. do. at Somaisweram ...	1,71,727	66,134	.....	66,134	.....	.....	66,134	1,05,593	.....
Do. do. at Adamapully	3,44,440	4,37,891	501	4,38,392	.....	1,117	4,37,275	.....	92,835
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-sluice of the Kurnool Anicut	65,000	49,285	.....	49,285	.....	.....	49,285	15,715	.....
Main Canal, 1st Section, 17¼ miles	10,73,687	10,97,612	477	10,98,089	.....	.....	10,98,089	.....	24,402
Do., 2nd do., 18th to 32nd mile ...	19,63,370	19,71,739	8,501	19,80,240	.....	.....	19,80,240	.....	16,870
Do., 3rd do., 33rd to 43rd do. ...	9,75,790	9,14,356	1,268	9,15,624	.....	.....	9,15,624	60,166	.....
Do., 4th do., 44th to 60th do. ...	10,55,521	9,81,130	3,672	9,84,802	.....	.....	9,84,802	70,719	.....
Do., 5th do., 61st to 72nd do. ...	8,80,738	8,76,623	210	8,76,833	.....	.....	8,76,833	3,905	.....
Do., 6th do., 73rd to 91st do. ...	9,44,521	8,63,766	1,638	8,65,404	2	.....	8,65,406	79,115	.....
Do., 7th do., 92nd to 114th do. ...	7,43,421	6,67,622	2,280	6,69,902	.....	4	6,69,898	73,523	.....
Do., 8th do., 115th to 143rd do. ...	7,80,111	8,20,050	2,395	8,22,445	.....	.....	8,22,445	.....	42,334
Do., 9th do, 144th to 178th do. ...	9,45,837	7,84,217	2,989	7,87,206	.....	.....	7,87,206	1,58,631	.....
Do., 10th do., 179th to 186th do. ...	2,56,327	1,93,445	341	1,93,786	.....	.....	1,93,786	62,541	.....
Total...	1,12,64,942	1,05,30,734	24,272	1,05,55,006	2	1,121	1,05,53,887	8,87,571	1,76,516
Distribution.									
Branch channels and sluices of 1st Section ...	7,003	5,401	.....	5,401	.....	.....	5,401	1,602	.....
Distribution works of 2nd Section	6,000	5,162	.....	5,162	.....	.....	5,162	838	.....
Do. do. of 3rd do.	11,150	10,257	29	10,286	.....	.....	10,286	864	.....
Do. do. of 4th do.	46,777	33,597	34	33,631	.....	.....	33,631	13,146	.....
Constructing a bund across the canal in the 45th mile, 4th Section	76	73	.....	73	.....	.....	73	3	.....
Distribution works of 5th Section	20,550	9,295	2	9,297	.....	.....	9,297	11,253	.....
Do. do. of 6th do.	71,400	42,388	27	42,415	.....	.....	42,415	28,985	.....
Do. do. of 7th do.	42,045	19,125	561	19,686	6	.....	19,692	22,353	.....
Do. do. of 8th do.	49,000	26,836	3,561	30,397	.....	.....	30,397	18,603	.....
Do. do. of 9th do.	46,448	31,182	855	32,037	.....	.....	32,037	14,411	.....
Do. do. of 10th do.	10,000	7,560	242	7,742	.....	.....	7,712	2,258	.....
Do. do. at Soonkasala	925	925	.....	925	.....	.....	925	.....	.....
Kurnool Town Water-supply	1,699	1,417	.....	1,417	.....	.....	1,417	282	.....
Total...	3,13,073	1,93,158	5,311	1,98,469	6	.....	1,98,475	1,14,598	.....
Breach repairs of August 1870	68,570	59,004	.....	59,004	.....	.....	59,004	9,566	.....
Buildings.									
Central Hospital, with out-houses 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	.....
Office, Store-house, and Workshop at Soonkasala.	5,947	5,986	.....	5,986	.....	.....	5,986	.....	39
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	7,523	.....	7,523	.....	.....	7,523	423	.....
Repairing the above buildings at do. ...	648								
Improvement of the road approaching to the above building and repairing culverts at Bowanassy...	578	318	.....	318	.....	.....	318	260	.....
Converting the unfinished buildings intended for a Gun-Powder Manufactory into a Hospital at Bowanassy	427	31	.....	31	.....	.....	31	396	.....
Office and Store building at Valapanoor in do. ...	1,970	1,990	.....	1,990	.....	.....	1,990	.....	20
Repairs to Valapanoor Bungalow	564	.....	239	239	.....	.....	239	325	.....
Office and Store at Jupaud in Nagatoor Division...	4,123	4,782	.....	4,782	.....	659	4,123	.....	.....
Repairs to Jupaud Bungalow in do. ...	1,000	.....	123	123	.....	.....	123	877	.....
Office and Store at Puggydial in do. ...	3,977	3,833	.....	3,833	.....	.....	3,833	144	.....
Do. do. at Chintagoonta in Koondaur Division.	5,283	5,278	.....	5,278	.....	.....	5,278	5	.....
Do and temporary Store-shed at Ayalore in do.	642	67	.....	67	.....	.....	67	575	.....
Repairs to Anicut 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 Koondaur	1,236	561	.....	561	.....	.....	561	675	.....
Engineer's Bungalow at Dhoor	4,980	4,923	.....	4,923	.....	.....	4,923	57	.....
Sluice-keepers' huts	3 200	2,819	.....	2,819	.....	.....	2,819	381	.....
Total...	98,862	77,945	362	78,307	.....	659	77,648	21,273	59
Line of Telegraph	72,000	66,078	326	66,404	.....	.....	66,404	5,596	.....
Grand Total...	1,18,17,447	1,09,26,919	30,271	1,09,57,190	8	1,780	1,09,55,418	10,38,604	1,76,575

Quarter's Expenditure.—It will be remarked that the expenditure of the quarter is shown to have been Rupees 30,271, and the net total outlay, up to 30th June 1872, Rupees 1,09,55,418.

Excess Expenditure.—The subjoined statement shows the expenditure in excess of sanction at the end of the quarter to have been Rupees 1,76,575:—

Works.	Excess expenditure up to 31st March 1872.	Excess expenditure during the quarter ended 30th June 1872.	Total.	Add transferred to this from other works.	Deduct Refunds.	Excess net expenditure on 30th June 1872.
Main Supply.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Hindry Aqueduct...	75	...	75	...	...	75
Anicut and head-works at Adamapully ...	93,451	501	93,952	...	1,117	92,835
Main Canal, 1st Section	23,925	477	24,402	...	...	24,402
Do., 2nd do.	8,369	8,501	16,870	...	...	16,870
Do., 8th do.	39,939	2,395	42,334	...	...	42,334
Total...	1,65,759	11,874	1,77,633	..	1,117	1,76,516
Buildings.						
Office, Store-house, and Workshop at Soonkasala...	39					
Do. do. at Valapanoor ...	20	...	39	...	...	39
Do. do. at Jupaud ...	659	...	20	...	...	20
Total...	718	...	659	...	659	...
Grand Total...	1,66,477	11,874	718	...	659	59
			1,78,351	...	1,776	1,76,575

7. *Preparation of Revised Estimates.*—A revised estimate for the Adamapully Anicut was sanctioned by Government on the 29th July 1872, and revised estimates for the 1st, 2nd, and 8th Sections were received from the Agent on the 13th September 1872, and are now with the Acting Chief Engineer for Irrigation.

8. *Estimates submitted to Government during the Quarter.*—The following estimate was received from the Agent and submitted to Government during the quarter:—

	Rs.
Estimate for repairing the Jupaud Bungalow	1,000

Estimates sanctioned.—The estimate for repairing the Jupaud Bungalow was sanctioned by Government on the 23rd July 1872, and the estimate of Rupees 66,530, for enlargement of calingulahs which was submitted during the last quarter, received the sanction of Government in this quarter.

G. O., No. 1,747, dated 23rd July 1872.

G. O., No. 937, dated 9th April 1872.

Cost of Establishments.—The cost of executive permanent establishments amounts for this quarter to ·52 per cent. on the expenditure for construction; that of the temporary establishments to 1·79 per cent.; and that of the general management to 51·64 per cent.

Proceedings of the Madras Government, Public Works Department,
12th December 1872.

Total cost of Establishments.—The total cost of the permanent establishment was, therefore, 52·16, and of temporary establishment 1·79 per cent. on the expenditure.

No. 257. ORDER THEREON, 12th December 1872, No. 2,944.

IRRIGATION, No. 14.

ORDERED that this report be forwarded to the Home Government.

(True Extract.)

Colonel, R.E,
Secretary to Government.

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

Exd. E. C. Shunker.

PUBLIC WORKS DEPARTMENT.

No. / of 1873

TO THE RIGHT HONOURABLE
THE SECRETARY OF STATE FOR INDIA.

My Lord Duke,—We have the honour to forward the accompanying report on the progress of the works of the Madras Irrigation and Canal Company for the quarter ending 30th June 1872.

Procs., dated 12th December 1872, No. 2,944.

We have the honour to be,
My Lord Duke,
Your Grace's most obedient,
humble servants,

Fort St. George,
11th ~~December~~ January 1873

Exd. E. C. Shunker.

FORT ST. GEORGE.

PUBLIC WORKS DEPARTMENT.

Letter to the Right Honourable the Secretary of State for India.

Dated 11th ~~December~~ January
No. 1 of 1873.

FORWARDING report of the progress made with the works of the Madras Irrigation and Canal Company during the quarter ended 30th June 1872.

P.W. Dept
2911
1 5842

Proceedings of the Madras Government
Under date the November 1872
Read the following
From the Actg Chief Engr for Irrigation. (Here enter No 56 of 27th Nov 1872)

Ordered that this report be forwarded to the Home Government.

To
Chief Engineer for Irrigation &
Agent of Madras Irrigation & Canal Co.
Dated 16/12/72

To
The Right Honorable
the Secretary of State
for India.

My Lord Duke.

We have the honor to forward the accompanying report on the progress of the works of

Pro. No 2944 dated 12th Decr 1872.

the Madras Irrigation and Canal Company for the quarter ending 30th June 1872.

GMW

Fort St. George
Public Works Department

Letter to the Right Honorable the Secretary of State for India

Original & Copy sent per Overland mail on the 24th Jany 1873-

Dated 11th January
No 1 of 1873.

Copy Sent to the Govt of India on the 24 January 1873

Forwarding report of the progress made with the works of the Madras Irrigation and Canal Company during the quarter ended 30th June 1872.

Ch. 5842

Govt. of {1872} Madras.

PUBLIC WORKS.

To The Chief Engr. for Irrigation

Dated

Recd. Encl.

G. O. 12th Dec 1872. No. 2944.

Nos. 256 & 257

Irrn. H.C.Co. Passing orders on the progress of the report on the works of the Irrn. H.C.Co. during the quarter ended 30th June/72.

Forwarding the progress report on the works of the Irrn. H.C.Co. during the Quarter Ended 30th June/72.