

(1) Number of pages _____

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE

Government of Madras

Public works DEPARTMENT

2576.

G.O. No.	2576	Press
B.P. No.	354-355	Mis.
Dated	21-10.	1951/873

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
21st October 1873.*

No. 354. Read the following letter from J. STURROCK, Esq., Acting Under Secretary for Chief Engineer for Irrigation, to Colonel G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Camp at Erode, 25th August 1873, No. 32 A :—

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 31st December 1872.

Expenditure during the Quarter.—The total expenditure for the period under review amounted to Rupees 10,101 as compared with Rupees 23,732 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.—Rupees 1,469-15-2 on the 1st Section, Main Canal, 1 to 17½ miles, the items being—

	RS.	A.	P.
Revetment and Shingling	34	7	0
Alteration of Waste Weir, No. 3	685	0	8
Do. do. „ 9	750	0	0
Repairs of Canal	0	7	6

2nd Section.—Rupees 681-0-4 on the 2nd Section from the 17½ to the 32nd mile, the particulars being—

	RS.	A.	P.
Earthwork	4	1	0
Alteration of Waste Weir, No. 12	676	15	4

4th Section.—In this section Rupees 11-2-8 were expended upon repairs of canal.

5th Section.—Rupees 433-2-11 on the 5th Section from the 61st to the 72nd mile, the item being—

	RS.	A.	P.
Repairs of Canal	433	2	11

6th Section.—Rupees 33 on the 6th Section, or miles 73 to 91 of the canal on repairs.

7th Section.—Rupees 766-6-2 on the 7th Section, miles 92 to 114, for—

	RS.	A.	P.
Alteration of Waste Weir, No. 6	431	5	4
Do. do. „ 9	70	13	4
Repairs of Canal	257	15	6
Contingencies for Earthwork	6	4	0

8th Section.—Rupees 628-5-6 on the 8th Section, miles 115 to 143, the items being—

	RS.	A.	P.
Lock of 10 feet lift, 121st mile	35	0	0
Special Superintendence and Sundries	6	4	0
Repairs of Canal	587	1	6

9th Section.—Rupees 333-10-7 on the 9th Section, or miles 144 to 178 of the canal, on—

	RS.	A.	P.
Special Superintendence and Sundries	6	4	0
Repairs of Canal	247	6	2
Stores	80	0	5

*Proceedings of the Madras Government, Public Works Department,
21st October 1873.*

Adamapully Anicut.—Rupees 14-2-5 were spent on repairs to this work.

10th Section.—Rupees 32-10-7 on the 10th Section, miles 179 to 186 of the canal, on—

	RS.	A.	P.
Contingencies of Earthwork...	21	11	9
Repairs of Canal ...	10	0	0
Store and Store charges ...	0	14	10

3. Distribution Works.—The outlay on works of distribution was Rupees 5,539-0-9, namely, on the—

	RS.	A.	P.
1st Section ...	13	15	0
4th do. ...	32	5	10
5th do. ...	156	2	5
6th do. ...	628	12	7
7th do. ...	546	4	5
8th do. ...	2,783	15	0
9th do. ...	931	10	4
10th do. ...	445	15	2

4. Buildings.—The outlay under this head was Rupees 24-1-0, the items being—

	RS.	A.	P.
Repairs to Jupaud Bungalow ...	10	1	0
Office, Store-room, and Artificers' Shed at Bowanassy ...	14	0	0

5. Telegraph Line.—The outlay under this head was Rupees 132-10-10, the particulars being—

	RS.	A.	P.
Additional Gay's Standard Insulators and replacing rotten poles.	68	6	0
Telegraph line from Hindry Office to Cuddapah ...	15	0	6
Stores and proportion of Store charges ...	49	4	4

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:—

*Proceedings of the Madras Government, Public Works Department,
21st October 1873.*

Works.	AMOUNT.		Total net expenditure.	Deduct refunds from this to other works.	Add amount transferred to this from other works.	Total expenditure.	Cost during the quarter ended 31st December 1872.	Expenditure up to 30th September 1872.	Amount of Estimate.
	Avail-able.	Increase of Estimates.							
<i>Main Supply.</i>	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Anicut and Head-works at Kurnool ...	2,42,753	...	60,327	...	...	60,327	...	60,327	3,03,080
Do. at Soonkasala ...	14,909	...	4,70,213	...	...	4,70,213	...	4,70,213	4,85,122
Do. at Somaisweram ...	1,05,593	...	66,134	...	...	66,134	...	66,134	1,71,727
Do. at Adamapully ...	1,970	...	4,35,930	1,386	...	4,37,316	15	4,37,301	4,37,900
Aqueduct across the River Hindry ...	...	75	2,76,325	...	...	2,76,325	...	2,76,325	2,76,250
Canal for one mile from the Head-slucice of the Kurnool Anicut ...	15,715	...	49,285	...	...	49,285	...	49,285	65,000
Main Canal, 1st Section, 17½ miles ...	7,753	10,147	10,99,847	...	...	10,99,847	1,470	10,98,377	11,07,600
Do. 2nd do. 18th to 32nd mile ...	...	...	19,88,334	20	...	19,88,354	681	19,87,673	19,78,187
Do. 3rd do. 33rd to 43rd do. ...	66,554	...	9,16,116	...	...	9,16,116	...	9,16,116	9,82,670
Do. 4th do. 44th to 60th do. ...	89,306	...	9,86,345	...	...	9,86,345	11	9,86,334	10,75,711
Do. 5th do. 61st to 72nd do. ...	3,702	...	8,77,036	6	...	8,77,042	434	8,76,608	8,80,738
Do. 6th do. 73rd to 91st do. ...	79,580	...	8,64,941	9	...	8,64,950	33	8,64,917	9,44,521
Do. 7th do. 92nd to 114th do. ...	92,521	4,834	6,71,891	1	...	6,71,891	766	6,71,125	7,64,411
Do. 8th do. 115th to 143rd do. ...	1,54,875	...	8,24,945	55	...	8,24,945	628	8,24,317	7,80,111
Do. 9th do. 144th to 178th do. ...	62,519	...	7,90,902	...	6	7,91,011	334	7,90,677	9,45,837
Do. 10th do. 179th to 186th do. ...	9,37,810	55,056	1,93,808	...	...	1,93,808	32	1,93,776	2,56,327
Total...	9,37,810	55,056	105,72,438	1,477	6	105,73,909	4,404	105,63,505	114,55,192
<i>Distribution.</i>									
Branch Channels and Sluices of 1st Section ...	1,413	...	5,590	...	...	5,590	14	5,576	7,003
Distribution works of 2nd Section ...	777	...	5,223	...	...	5,223	...	5,223	6,000
Do. 3rd do. ...	864	...	10,286	...	...	10,286	...	10,286	11,150
Do. 4th do. ...	13,057	...	33,720	...	...	33,720	33	33,687	46,777
Constructing a bund across the Canal in the 45th mile, 4th do. ...	3	...	73	...	...	73	...	73	76
Distribution works of 5th Section ...	10,955	...	9,595	...	...	9,595	156	9,439	20,550
Do. of 6th do. ...	28,183	...	43,217	...	...	43,217	629	42,588	71,400
Do. of 7th do. ...	21,608	...	20,437	...	...	20,437	547	19,890	42,045

*Proceedings of the Madras Government, Public Works Department,
21st October 1873.*

Do. and temporary Store-shed at Ayalore in Koondaur ...	67	...	...	...	67	...	...	...	...
Repairs to Anicut Office at Zorapore ...	308	...	...	...	308	...	...	...	...
Office Store, and Workshop at Kurnool ...	50,612	...	...	...	15,158	...	...	...	...
Iron and Brass Foundry at do. ... }	15,328	...	...	...	15,168	...	...	...	...
Room for receiving and despatching stores at Kurnool ...		...	...	...		...	...	...	...
Quarters for Sub-Assistant Engineers and Assistant Surveyors at Koondaur ...	1,236	...	...	...	561	...	...	...	...
Engineers' Bungalows at Dhoor ...	4,980	...	...	...	4,923	...	...	...	...
Storekeepers' Huts ...	3,200	...	...	...	2,887	...	...	...	...
Total...	98,862	...	...	...	78,393	...	...	...	...
Line of Telegraph...	72,000	...	...	...	66,608	...	...	...	...
Grand Total...	120,07,697	...	...	...	109,75,575	...	...	...	...

*Proceedings of the Madras Government, Public Works Department,
21st October 1873.*

Quarter's Expenditure.—It will be remarked that the expenditure of the quarter is shown to have been Rupees 10,101, and the net total outlay up to 31st December 1872 Rupees 109,84,205.

Excess Expenditure.—The subjoined statement shows the expenditure in excess of sanction at the end of the quarter to have been Rupees 55,150:—

Works.	Excess expenditure up to 30th Sept. 1873.	Excess expenditure during the quarter, ended 31st Dec. 1872.	Total.	Add transferred to this from other works.	Deduct refunds.	Excess net expenditure on 31st Dec. 1872.
<i>Main Supply.</i>	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Hindry Aqueduct	75	...	75	...	...	75
Second Section, last excess	Es. 16,023	...	...	...	...	...
Deduct amount sanctioned during quarter...	6,537	...	...	...	...	...
Eighth Section	Net... 9,486	631	10,117	...	20	10,137
	41,206	628	41,834	...	...	41,834
Total...	53,767	1,309	55,076	...	20	55,056
<i>Buildings.</i>						
Office, Store-house, and Workshop at Soonkasala	39	...	39	...	...	39
Do. and Store buildings at Valapanoor in Bowanaasy	20	...	20	...	...	20
Repairs to Valapanoor Bungalow	35	...	35	...	...	35
Total...	94	...	94	...	...	94
Grand Total...	53,861	1,309	55,170	...	20	55,150

7. *Preparation of Revised Estimate.*—The excess expenditure upon the Hindry Aqueduct, Office, Store-house, and Workshop at Soonkasala, and Office, Store-house, and Workshop at Valapanoor were sanctioned by the Chief Engineer for Irrigation in his No. 127 of 25th February 1873, under the authority conveyed in G. O., dated 5th January 1869, No. 18. The excess outlay on the 2nd Section, Main Canal was sanctioned in the orders noted in the margin, and that on the 8th Section, Main Canal, and on repairs to the Valapanoor Bungalow in G. Os., Nos. 65 and 30, dated 9th January and 6th May 1873, respectively.

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

Estimate for repairing the canal for season 1872, Rupees 34,700.

Cost of Establishments.—The cost of executive permanent establishment amounts for this quarter to .05 per cent. on the expenditure for construction; that of the temporary establishment to 1.42 per cent.; and that of the general management to 28.15 per cent.

Total cost of Establishment.—The total cost of the permanent establishment was therefore 28.20, and of temporary establishment 1.42 per cent. on the expenditure.

*Proceedings of the Madras Government, Public Works Department,
21st October 1873.*

No. 355.

ORDER THEREON, 21st October 1873, No. 2,576.

IRRIGATION, No. 25.

ORDERED that this report be forwarded to the Home Government.

(True Extract.)

(Signed) G. W. WALKER, Colonel, R.E.,

Secretary to Government.

Spare Copies.

Exd. E. C. Shunker.

99
Camp at Erode 25th August 1873

N^o 32 A

From

The Chief Engineer for
Irrigation.

To,

The Secretary to Government
Public Works Department.

Sir,

I have the honor to submit
the following report on the progress
made with the works of the Madras
Irrigation and Canal Company
during the quarter ended 31st
December 1872.—

Expenditure
during the
quarter.—

The total expenditure for the
period under review amounted to
Rupees 10,101 as compared with Ru-
pees 23,732 for the previous quarter.

2

The following is a detailed
Statement of the items on which
the

the above outlay was made.

Rupees 1469-15-2 on the 1st Section Main Canal, 1 to 17 $\frac{1}{4}$ Miles, the items being, -
1st Section Main Canal.
Revetment and Shingling R^o 34-7-"
Alteration of Waste Weir No 3 - " - 685 - " - 8
do: - " - 9 - " - 750 - " - "
Repairs of Canal - " - " - 7-6

Rupees 681 - " - 4 on the 2^d Section from the 17 $\frac{1}{2}$ to the 32 $\frac{3}{4}$ mile, the particulars being, -
2^d Section
Earth work - " - " - R^o 4-1-"
Alteration of Waste Weir No 12 - " - 676-15-4.

In this Section Rupees 11-2-8 were expended upon repairs of Canal.
4th Section

Rupees 433-2-11 on the 5th Section from the 61st to the 72 $\frac{3}{4}$ mile, the item being, -
5th Section.
Repairs of Canal - " - " - R^o 433-2-11.

Rupees 33 - " - " on the 6th Section, or miles 73 to 91 of the Canal on repairs. -
6th Section

7th Section.

Rupees 766-6-2 on the 7th Section miles 92 to 114, for, -

Alteration of Waste Weir No 6 - R^o 431-5-4
" " " " " 9 - " - 70-13-4
Repairs of Canal - " - 257-15-6
Contingencies for earthwork - " - 6-4-"

8th Section.

Rupees 628-5-6 on the 8th Section, miles 115 to 143, the items being, -

Lock of 10 feet lift 121st mile R^o 35 - " - "
Special Superintendence and Sundries - " - 6-4-"
Repairs of Canal - " - 587-1-6

9th Section.

Rupees 333-10-7 on the 9th Section, or miles 144 to 178 of the Canal, on -
Special Superintendence and Sundries - R^o - 6-4-"
Repairs of Canal - " - 247-6-2
Stores - " - 80 - " - 5

Adamapully Amunt. - }

Rupees 14-2-5 were spent on repairs to this work. -

10th Section.

Rupees 32-10-7 on the 10th Section, miles 179 to 186 of the Canal, on -
Contingencies

Contingencies of Earth work Rs 21-11-9
 Repairs of Canal ——— " — 10 — " — "
 Store and Store Charges — " — " — 14-10

3. The outlay on works of Distribution
 distribution was Rupees 5539 — " — 9,
 namely on the — Works.

1st Section ————— Rs 13-15-
 4th — do: ————— " — 32-5-10
 5th — do ————— " — 156-2-5
 6th — do ————— " — 628-12-7
 7th — do ————— " — 546-4-5
 8th — do ————— " — 2783-15-"
 9th — do ————— " — 931-10-4
 10th — do ————— " — 445-15-2

4. The outlay under this head Buildings
 was Rupees 24-1-", the items being:
 Repairs to Jupand Bungalow Rs 10-1-"
 Office, Store room and Artificers'
 Shed at Bowanassy ————— " 14-1-"

5. The outlay under this head Telegraph
 was Rs 132-10-10, the particulars being: line.
 Additional Gay's Standard
 Insulators and replacing } Rs 68-6-
 rotten Poles —————

Telegraph

135
 Telegraph line from Hindry
 Office to Euddapah ————— } Rs 15-11-6
 Stores and proportion of
 Store charges ————— } — " — 49-4-4

Abstract 6 The following Statement
 of expenditure shows the expenditure on all works
 from the commencement to the close
 of the quarter, compared with
 sanctioned Estimates.

Works

Words.

[illegible]

Distributions:

Distributions									
Branch Channels and Sluices of 1 st Section	7003	5576	14	5590			5590	1413	
Distribution works of 2 ^d do.	6000	5223	"	5223			5223	777	
do do 3 ^d do.	11150	10286	"	10286			10286	864	
do do 4 th do.	46777	33687	33	33720			33720	13057	
Constructing a bund across the Canal in the 4.5 th mile 4 th do.	76	73	"	73			73	3	
Distribution works of 5 th Section	20550	9439	156	9595			9595	10955	
do do 6 th do.	71400	42588	629	43217			43217	28183	
do do 7 th do.	42045	19890	547	20437			20437	21608	
do do 8 th do.	49000	31389	2784	34173			34173	14827	
do do 9 th do.	46448	32220	931	33151			33151	13297	
do do 10 th do.	10000	7790	446	8236			8236	1764	
do do at Sombasala	925	925	"	925			925	"	
Thurnool Town water supply	1699	1417	"	1417			1417	282	
Total	313073	200503	5540	206043			206043	107030	
Breach repairs of August 1870	65570	60566	"	60566			60566	8004	
Buildings									
Central Hospital with out houses and compounds wall at Thurnool	5050	4867	"	4867			4867	183	
Repairs to do do do at do.	68	60	"	60			60	8	
Overseers' hut at do.	1245	"	"	"			"	1245	
Office, store house, and Workshop at Sombasala	5947	5986	"	5986			5986	"	
Powder Magazine store and Station Roads at Bwanafy	4359	4359	"	4359			4359	"	
Division									

Office store room and artificers shed at Bonanafy } 7298
 Repairing the above buildings at } 648
 Improvement of the road approaching to the above
 buildings and repairing culverts at Bonanafy } 578
 Converting the unfinished buildings intended for a
 Gunpowder manufactory into a Hospital at Bonanafy } 427
 Office and store buildings at Valapanam in do } 1970
 Repairs to Valapanam Bungalow } 564
 Office and store at Jupand in Nagatore Division } 4123
 Repairs to Jupand Bungalow at do } 1000
 Office and store at Peggypal in do } 3977
 do do Chintagoota in Hoondalur } 5283
 do and temporary store shed at Agalre in do } 642
 Repairs to Ancient Office at Gorapore } 327
 Office, store and Workshop at Kurnool } 30612
 Iron and Brass Foundry at do } 15328
 Room for receiving and despatching stores at do } 15168
 Quarters for sub Assist. Engineers and Assist. Surveyors at } 1236
 Hoondalur } 4980
 Engineers Bungalow at Dhoor } 3200
 Storekeepers Huts } 2887
 Total } 98862

Line of Telegraph

Grand Total Rupees -

7523	14	7537	"	7537	"	20
318	"	318	"	318	"	35
31	"	31	"	31	"	"
1990	"	1990	"	1990	"	"
599	"	599	"	599	"	"
4123	"	4123	"	4123	"	"
354	10	364	"	364	"	"
3833	"	3833	"	3833	"	"
5278	"	5278	"	5278	"	"
67	"	67	"	67	"	"
308	"	308	"	308	"	"
15158	"	15158	"	15158	"	"
15168	"	15168	"	15168	"	"
561	"	561	"	561	"	"
4923	"	4923	"	4923	"	"
2887	"	2887	"	2887	"	"
78393	24	78417	"	78417	"	94
66608	133	66741	"	66741	"	"
1097575	10101	10985676	"	10985676	"	55150
1209797	1477	1209944	"	1209944	"	55150

Quarters Expen-
- diture.

Excess Ex-
- penditure.

It will be remarked that the expenditure of the quarter is shown to have been Rupees 10,101, and the net total outlay up to 31st Decem-ber 1872 Rupees 109,84,205.-

The subjoined statement shows the expenditure in excess of sanction at the end of the quarter to have been Rupees 55,150.-

Works	Excess expendi- - ture up to 30 th September 1872	Excess expendi- - ture during the quarter ended 31 st Decr. 1872	Total	Add transferred to this from other works	Deduct reserved	Excess out ex- - penditure on 31 st Decr. 1872
<u>Main Supply.</u>						
Windry Aqueduct	75	"	75	"	"	75
2 nd Section Last years AR 16023						
Deduct amount sanctioned during quarter -	6537					
Net	9486	681	10167	"	20	10147
8 th Section	44206	628	44834	"	"	44834
Total	53767	1309	55076	"	20	55056
<u>Buildings.</u>						
Office Store house and Workshop at Sookkasala	39	"	39	"	"	39
do and store buildings at Valapanam in Bonanafy	20	"	20	"	"	20
Repairs to Valapanam Bungalow	35	"	35	"	"	35
Total	94	"	94	"	"	94
Grand Total	53861	1309	55170	"	20	55150

7 The excess expenditures upon the Windry, Aqueduct, Office Store House and Workshop at Sornkasala, and Office Store House and Workshop at Valapanoor were sanctioned by the Chief Engineer for Irrigation in his No. 127 of 25th February 1873 under the authority conveyed in G.O. dated 5th January 1869 No. 18. The excess outlay on the 2nd Section Main Canal was sanctioned in the orders noted in the margin and that on the 8th Section Main Canal and on repairs to the Valapanoor Bungalow in G.O. Nos. 65 and 30 dated 9th January and 6th May 1873 respectively.

8. The following Estimate was received from the Acting Manager and submitted to Government during the quarter -

Estimate for repairing the Canal for Season 1872 Rs. 34,700.-

The Cost

Preparation
of Revised
Estimate.

* G.O. No. 59 dated
8th Jan'y 1873
G.O. No. 1427 dated
26th May 1873

Estimates sub-
mitted to Govern-
ment during
the Quarters.

Cost of
Establishments

Total Cost of
Establishment.

The cost of executive permanent establishment amounts for this quarter to 05 per cent on the expenditure for construction, that of the temporary establishment to 1.42 per cent, and that of the general management to 28.15 per cent.-

The total cost of the permanent establishment was therefore 28.20, and of temporary establishment 1.42 per cent on the expenditure.-

I have the honour to be
Sir,
Your most obed^t servant,

Thurs 24
Acting Under Secretary
for Chief Engineer for Irrigation

No 5314

from
The Commissioners
for Migration
to the Secretary
of the Navy

Dec 31st

dated 25th Sept

Recd 27th 1873

Reports on the
progress made with
the work of the
various Head
to obtain quarters
in the Navy

1872

25th
Ordered that the report be for-
warded to the Home Government

5-356-55

2.6 Oct 173

2.6 Oct 173

P. W. Secy Encl. No 31
724 Oct 73

Mr 5314 (1)
Govt. of 1873 Madras.
PUBLIC WORKS.

To

Dated

Recd.

Encl.

G. O. 21st Oct 1873. 2576.

Nos. 254 & 255

Mr. J. H. Co. Report

The progress of the works
of the M. & H. Co. for the
quarter ending 31st Decr
ordered to be forwarded
to the Home Govt.