

(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. 1407 (2)	Press ~~Mis.~~
Dated 24-4-1877.	

Not to be folded or roughly handled

Read the following papers :—

No. 579. From District Engineer, Godavery, dated 13th November 1876, No. 2,277, and enclosures.

WESTERN DELTA, GODAVERY.—DRAIN WEST OF NURSAPORE CANAL.
CLASS I.—WORKS.

Comparative Statement showing the Original and Revised Estimates.

ORIGINAL ESTIMATE.					REVISED ESTIMATE. MOGULTUR DRAIN.		
Main Head.	Sub Head	Items.	Amount.	Total.	Items.	Amount.	Total.
(4.)—Drainage and Protective Works.	B.—Land..	Compensation	Rs. ..	Rs.	Compensation	Rs. 800	Rs. 800
	C.—Works.	12-feet Bridge at 3½ miles ..	930	2,370	12-feet Bridge at 3½ miles ..	*2,363	2,363
		16-feet Bridge across Drain at 4½ miles ..	1,440		16-feet Bridge across Drain at 4½ miles ..		
	L.—Earth-work.	Earthwork of Main Drain ..	14,300	15,950	Earthwork of Main Drain ..	20,698	21,069
		Minor Infall Drainages.	1,650		Minor Infall Drainages.	371	
		Grand Total ..	..	18,320		..	24,232

* Cost of each bridge unknown when building, separate accounts were not kept.

GODAVERY,
26th October 1876.

(Signed) A. R. F. DORWARD, Lieut., R.E.,
Asst. Engr., Western Delta Dn.,
Godavery District.
(Signed) J. BEATTY, Major, R.E.,
Offg. Superintending Engineer.

No. 192—W.

No. 580. *Note by the Chief Engineer for Irrigation.*

Drain west of Nursapore, Godavery Western Delta.—The revised estimate for this drain exceeds the original* by Rupees

* Item 15 of sanction of Government of India, Rupees 18,320. 5,912, and the need of greater expenditure is shown to be due to the incompleteness

of the original arrangements. The drain has been very effective in relieving lands near the upper part; but it has, from the absence of proper banks in the lower part, done harm to the lands in that neighbor-

hood; and when inspecting the delta in 1873, the requirements were noticed by the undersigned. The name by which this drain has hitherto been called being inconvenient, it is proposed for the future to call it the "MOGULTUR DRAIN."

2. It will be necessary to take care that the drainage of every part of the lands which are not to be drained under the Nursapore Canal is duly considered and

*Proceedings of the Madras Government, Public Works Department,
24th April 1877. No. 1,407.*

provided for. It is more than probable that much of those lands will not drain into the drain west of Nursapore near the mileage opposite to which they are situated, and possibly a continuous channel in rear of the banks of the main drain will be needed for their efficient relief. If the soil for banking be taken from such a channel, all that is needed may be secured without additional expense. The estimate makes no provision for masonry inlets of any kind, and unless the lands alongside the lower part of the drain be drained separately into the tidal creek, which may be the best plan, some inlets will be necessary. The omission from the estimate may be due to the requisite data for the arrangements not being yet available.

3. The area of country drained is twenty square miles, and the cost, according to the revised estimate, will be Rupees 1,211 a square mile, or nearly Rupees 2 an acre. It will be seen that all work executed has been done at less than the anticipated cost.

4. The savings and excesses on the completion estimates of this delta up to date are as follow:—

No. of Item.	Name of Work.	Original Estimate.	Revised Arrangements.	Excess.	Saving.	G. O. sanctioning.
10	Gostanaddi and Velpur Canal (Part only).	Rs. 90,960 (Part of 1,41,060)	Rs. 81,680	Rs. ..	Rs. 9,280	No. 1,338, of 15th May 1875.
1	Head-sluiice, Main Canal	19,500	53,650	..	14,850	No. 2,929, of 2nd Nov. 1876.
2	Main Canal	4,000	..	..	..	
6	Venkiah and Weyeru	11,960	15,964	4,004	..	
7	Restoring Navigation with Weyeru (Junction Canal)	* 60,610	* 78,218	..	5,392	
17	Additional surplus weir near head of Ellore Canal, Nundamur	14,000	22,997	..	203	G. O. sanctioning not yet issued.
18	Rest-houses	23,200	1,14,340	6,440	..	
5	Bank Canal	1,07,900	2,76,604	30,014	..	
16	Ellore Canal	† 2,46,590	† 2,76,604	4,828	..	
Part of Item No. 14.	Kaza Drain	5,760 (Part of 29,200)	10,538	..	..	
		6,38,480	6,54,041	45,286	29,725	
			6,38,480	29,725		
	Total Excess		15,561	15,561		

* Exclusive of Rupees 2,890 for Mid and Low Level Channel head sluices originally included in Junction Canal estimate now transferred to Ellore Canal.

† Inclusive of Rupees 2,890 as above.

The total recorded excess to date is thus Rupees 15,561 on an original estimated amount of Rupees 6,38,480. Adding the excess† on the revised estimate now under notice the total excess will be Rupees 21,473 on an original estimated amount of Rupees 6,56,800 or a little over 3¼ per cent.

The revised estimate is recommended for sanction.

FORT ST. GEORGE,
17th April 1877.

(Signed) JOHN MULLINS, Lt.-Col., R.E.,
Chief Engineer for Irrigation.

To the Secretary to Government, Public Works Department.

*Proceedings of the Madras Government, Public Works Department,
24th April 1877. No. 1,407.*

No. 581.

ORDER THEREON, 24th April 1877, No. 1,407.

IRRIGATION, No. 59.

THE revised estimate amounting to Rupees 24,232 for the drain west of Nursapore, which hereafter will be called the "MOGULTUR DRAIN," Western Delta, Godavery, is approved, and the sanction of the Government of India will be applied for.

(Here enter No. 1,408, dated 24th April 1877.)

(True Extract.)

Lieut.-Col., R.E.,
Joint Secy. to Govt., P.W.D.,
Irrigation Branch.

To the Superintending Engineer, Godavery.
" Collector of Godavery.
" Chief Engineer for Irrigation.
" Examiner of Public Works Accounts.
" Revenue Department.

Exd. T. D. Ryan.
Spare Copies

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PUBLIC WORKS DEPARTMENT,
FORT ST. GEORGE, 24th April 1877.

No. 582.

No. 1,408.

FROM

THE JOINT SECRETARY TO THE GOVERNMENT OF MADRAS,
Public Works Department, Irrigation Branch,

TO

THE SECRETARY TO THE GOVERNMENT OF INDIA,
Public Works Department.

IRRIGATION, No. 60.

* Rupees 24,232.

SIR,—I am directed to request the sanction of the Government of India to a revised estimate,* in the comparative statement form, for the Mogultur Drain, Western Delta, Godavery, and to state that full information as to the circumstances which have rendered this revision necessary, and as to the general result of revisions of the Western Delta estimates sanctioned by the Government of India in their Secretary's letter No. 367-I, dated 2nd August 1871, will be found in the Proceedings, Madras Government, No. 1,407, dated 24th April 1877, of which a copy is herewith transmitted.

I have the honor to be,

Sir,

Your most obedient servant,

Lieut.-Col., R.E.,
Joint Secy. to Govt., P.W.D.,
Irrigation Branch.

Exd. T. D. Ryan.

Spare Copies

No. 192W. Fort St. George, 17 April 1877.

Note by the Chief Engineer for Irrigation.

Enclosures. 5

The revised estimate for this drain exceeds the original by Rupees 5912, and the need of greater expenditure is shown to be due to the incompleteness of the original arrangements. The drain has been very effective in relieving lands near the upper part, but it has, from the absence of proper banks in the lower part, done harm to the lands in that neighborhood and when inspecting the Delta in 1873 the requirements were noticed by the undersigned. The name by which this drain has hitherto been called, being inconvenient, it

57 of photo...
1873 the requirements were noticed
1906 date...
by 1874.

is proposed for the future to call it the
"Moguttur drain."

2 It will be necessary to take
care that the drainage of every part
of the lands which are not to be

drained under the Narsapore Canal
is duly considered and provided for.

It is more than probable that must

of those lands will not drain into

the drain west of Narsapore near

the mileage opposite to which they

are situated, and possibly a continu-

-ous channel in rear of the banks

of the main drain will be needed

for their efficient relief. If the

soil for banking be taken from

such a channel, all that is needed

may be secured without additional

expense. The estimates makes no

provision for masonry inlets of any

kind and unless the lands along-
side the lower part of the drain be
drained separately into the tidal
creek

The total recorded excess to date is

thus Rupees 15,361 on an original esti-

mated amount of Rupees 6,38,480. Ad-

ding the excess on the revised estimate

now under notice the total excess will

be Rupees 21,273 on an original estimated

amount of Rupees 6,56,800 or a little under

3 1/4 per cent.

The revised estimate is recommend-

ed for sanction.

Colonel R. L. R.
Lieut. Col. R. L.
Chief Engineer for Drainage

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

creek, which may be the best plan, some inlets will be necessary. The omission from the estimate may be due to the requisite data for the arrangements not being yet available.

3. The area of country drained is 20 square miles, and the cost according to the revised estimate will be Rupees 1211 a square mile or nearly Rupees 2 an acre. It will be seen that all work executed has been done at less than the anticipated cost.

4. The savings and excesses on the completion estimates of this Delta up to date are as follow.

No. of Item	Name of work.	Original Estimate Rs.	Revised estimate Rs.	Excess Rs.	Saving Rs.	G. O. sanctioning.
10-	Gostanaddi and Velpur Canal (Part only)	70960	81680	-	9280	No 1388 of 15 May 1875
1-	Head Sluice Main Canal	110800				
2-	Main Canal	17500	53650	-	14850	No 2929 of 2 Nov 1876
6-	Vinkiah and Weyeru	49000				
7-	Restoring Navigation with Weyerd (Junction Canal)	11960	15964	4004	-	do
17-	Additional surplus weir near head of Ellore Canal Nundamur	14000	78218	-	5392	do
18-	Rest Houses	23200	22997	-	203	do
5-	Bank Canal	167900	114340	6440	-	Proposed
16-	Ellore Canal	246590	276604	30014	-	do
Part of No 14	Plaza Drain	5760	10388	4628	-	do
		638280	653841	46086	29725	
			638480	29725		
			15361	15361		
Total Excess						
** Exclusive of Rupees 2890 for Mid. and Low Level Channel head sluices, originally included in Junction Canal estimate now transferred to Ellore Canal.						
** Inclusive of Rupees 2890 as above.						

1871

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1871

2.11.1876. No 2929
26.10. " " 2858
9.9. " " 2412
19.8. " " 2186
15.5.1875 " 1388
15.7.1874 " 1906
18.11.1871 " 2925

From
The Chief Engineer for Irrigation

Dated 17th April 1877.
Recd. 18th April 1877.

Encls. 5

No. 192-N.

Mogulter Drain or Drain west
of Kurnool. - Godavery Western
Delta - Note recommending for
sanction, with remarks, revised
estimate of Rs 24,282 for the —.

40 24th April 77 No. 579

E. I. Form No. 22.

7th 1407
Public Works Department.

PROCEEDINGS of the MADRAS GOVERNMENT

UNDER date the 24th April 77

Read the following:—

From the Sd/- Godavery No. 2297 of 13 Nov 76
Note by the Chief Engineer (H.E. No. 192 W- of 17 April 77)
for irrigation —

288,12 288,12

11

The revised estimate
amounting to Rs 24,282
for the drain west of
Kurnool, which here-
after will be called the
Mogulter drain Western
Delta Godavery, is ap-
proved and the sanc-
tion of the Government
of India will be applied
for.

Sd/- Sd/-
Collector do
A. L. for S. with 5 M
R. P. W. A.

Recd. Dept. 12-5-77

(Here enter No. 1408 dated 24/4/77)

To

No 1408 d/24th April/77

To,
The Secretary to the
Government of India

Sir,
I am directed to re-

quest the sanction of
the Government of India
to a revised estimate
in the Comparative state.

* Rupees 24,232

ment form, for the
Mogulwar drain Western
Delta Godavary, and
to state that full in-
formation as to the
circumstances which
have rendered this re-
vision necessary and
as to the general result
of revisions of the Western
Delta estimates same.

- two

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sanctioned by the Govern-
ment of India in their
Secretary's letter No 367.S.
dated 2nd August 1871 will
be found in the Pross.
Machras Govt No 1407
dated 24th April 1877
of which a copy is here-
with transmitted.

by 17/4

Resp letter No 1407
24 April ✓

22.5.77

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Amos

Govt. of 1877 Madras

PUBLIC WORKS.

To *Mr. S. B. Godavery*

Dated

Issued

Recd.

Encl.

G. O. 24th April 1877, No. 140772.

Dated April.

Nos. 579581

Mogulthar Drain, Western

Delta, Godavery. The

revised estimate of Rs. 24,232

for the —, approved and

forwarded for the sanction

of the Govt. of India.

Forwarding for sanction

a revised estimate amounting

to Rs. 24,232 for the Mogulthar

drain, Western Delta, Godavery

*(Previously called
drain west
Narasapur)*

Sub. Secy