

(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.	1946	Press
B.P. No.		Mis. —
Dated	1 - 8 -	C876 195

Not to be folded or roughly handled

Read the following papers :—

No. 5. From J. O'SHAUGHNESSY, Esq., District Engineer of Nellore, to Lieutenant-Colonel J. MULLINS, R.E., Chief Engineer for Irrigation, dated Nellore, 7th July 1876, No. 62.

Two estimates, amounting to 1,10,400 Rupees, for raising and improving the right bank of the Pennair, were sanctioned in G.O., dated 21st September 1875, No. 2,741.

2. One estimate, amounting to Rupees 42,800, provided for the work required between the Narsimcondah hill and the Nellore anicut.

3. The second estimate, amounting to Rupees 67,600, provided for the work between the anicut and the sea including the closing of the Mudivertipaliem breach, which was estimated to cost Rupees 6,150.

4. In G.O., dated 14th October 1875, No. 2,935, the closing of the Mudivertipalem breach was ordered to be charged to Repairs, and the second estimate mentioned above was thereby reduced to Rupees 61,450.

5. The Examiner of Public Works Accounts considers it necessary to have this reduced estimate formally sanctioned by Government, and I have the honor to submit it accordingly for sanction.

6. In carrying out the work of closing the Mudivertipalem breach, the original estimate for Rupees 6,150 was found insufficient, and a revised estimate was accordingly prepared, which amounts to Rupees 7,270 ; I beg to forward this estimate also for the necessary sanction. This work was nearly completed at the end of the past official year.

116-W.

No. 5-A. *Note by the Chief Engineer for Irrigation.*

THE only matter requiring notice is the increase of the estimate for closing the breach in the Pennair embankment across the old course of the river near Mudivertipalem. The District Engineer has not submitted a comparative statement, but one is subjoined:—

Items.		FORMER ESTIMATE.			REVISED ESTIMATE.			Increase.	Decrease.
		Quantity.	Rate.	Amount.	Quantity.	Rate.	Amount.		
			RS. A. P.	RS. A. P.		RS. A. P.	RS. A. P.	RS.	RS.
Earthwork	C. Yds.	12,307	0 2 10	2,179 5 10	21,398	0 2 10	3,789 3 8	1,610	...
Puddle wall	" "	2,373	0 11 9	1,742 10 9	2,960	0 11 9	2,173 12 0	431	...
Earthwork...	" "	19,067	0 1 6	1,787 8 6	...	...	...	...	1,788
Turfing	S. Yds.	6,969	0 0 4	145 3 0	8,510	0 1 0	531 14 0	587	...
Sandries, &c.	" "	...	...	295 3 11	...	...	78 5 9	...	217
Excavating foundation—					4,223	0 0 9	197 15 3	198	...
1st Yard.	C. Yd.	...	...	...	2,743	0 0 10	142 13 10	143	...
2nd " "	" "	...	...	...	939	0 0 11	53 12 9	54	...
3rd " "	" "	...	...	...	2,672	0 0 6	83 8 0	83	...
Filling in, &c.	" "	...	...	...	4,665	0 0 9	218 10 9	219	...
Removal of sand in line of embankment	" "	...	...	...	...	...	7,270 0 0	3,125 2,005	2,005 ...
				6,150 0 0	...	...		1,120	...

Proceedings of the Madras Government, Public Works Department,
1st August 1876. No. 1,946.

It appears that the total quantity of earthwork of the original estimate was Cubic yards 31,374
Revised estimate, Cubic yards 36,640
Difference being $\frac{1}{4}$ in excess, Cubic yards 5,266

The puddle is very nearly $\frac{1}{4}$ th in excess of the first estimate.
The turfing is considerably in excess in quantity and has cost three times the rate originally allowed

The differences in quantity indicate a material departure from the sections on which the original estimate was based, and explanation is necessary. It is reported that the work was nearly completed on the 31st March last, and the estimate is therefore submitted to Government.

OOTACAMUND,
19th July 1876. (Signed) JOHN MULLINS, Lt.-Col., R.E.,
Chief Engineer for Irrigation.
To the Secretary to Government, Public Works Department.

No. 6. ORDER THEREON, 1st August 1876, No. 1,946.

IRRIGATION, No. 1.	
Account.	

G.O., 21st September 1875, No. 2,741.
" 14th October " 2,935.
" 29th March 1876, " 795.

WITH reference to the orders as per margin the following estimates are sanctioned:—

ORDINARY AGRICULTURAL WORKS, &c.
Original Works.

Register No. 85-I of 1876-77.
Improving south flood-bank of Pennair from Nursimukondah to anicut 42,800
Register No. 86-I of 1876-77.
Improving south flood-bank of Pennair from anicut to the sea 61,450

Repairs.

Register No. 87-I of 1876-77. Closing Mudivertipalem breach 7,270

The District Engineer will furnish explanation as to the cause of the great difference in quantity between the original and revised estimate for the Mudivertipalem breach and with regard to increase of rate for turfing.

These sanctions have been registered as shown above.

(True Extract.)

Colonel,

Offg. Under Secy. to Govt., P.W.D.

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

Exd. W. H. French.

Spare Copies

Form No. 18.

OFFICE OF CHIEF ENGINEER FOR IRRIGATION,

Ootacamund, 19th July 1876.

Note by the Chief Engineer for Irrigation.

Enclosure 2. The only matter requiring notice is the increase of the estimate for closing the breach in the Pennair embankment across the old course of the river near Mudivertipalem. The District Engineer has not submitted a comparative statement but one is subjoined.

Items	Former Estimate		Revised Estimate		Increase or Decrease	
	Rate	Amount	Rate	Amount	Rs.	P.
Earthwork	12387	2 10 279 5 10 21398	2 10 3789 3 8 1610			
Puddle wall	2373	11 9 1742 10 9 2960	11 9 2173 12			431
Earthwork	19067	1 6 1797 8 6				1788
Turfing	6969	4 145 3 8 570	1 531 14			387
Smudries &c		295 3 11	78 5 9			217
Excavating foundation						
1st yard - cys -			4223	9 197 15 3		198
2nd " " " "			2743	10 142 13 10		143
3 " " " "			939	11 53 12 9		54
Filling in 4th			2672	6 88 8		83
Removal of sand in line of embankment			4665	9 218 10 9		219
			6150	7270		3125 2005
						2005
						1120

It appears that the total quantity of earthwork

P. W. 1876 Rept.

5535

of the original estimate was $\text{cyds } 31,374$

revised — do — is — $36,640$

Difference being $\frac{1}{6}$ in excess — $5,266$

The puddle is very nearly $\frac{1}{4}$ in excess of the first estimate,
the turping is considerably in excess in quantity
and has cost 3 times the rate originally
allowed.

The differences in quantity indicate a
material departure from the sections
on which the original estimate was
based and explanation is necessary.

It is reported that the work was nearly
completed on the 31st March last and
the estimate is therefore submitted to
Government.

Colundilins St. Colundilins
Chief Enemies for Forgation

To
The Secretary to Govt. W. W.

Cd. 25.3.76 19th 1.8.76
P. A. Sheil 49 July

FORMER CASES.

No. of 187

Issue No.

Dated

LATER CASES.

No. of 187

ent to Government with No.

18

W. of

Printed with G. O. No.

dated

REMINDERS ISSUED.

No. 1, dated	187
" 2, "	"
" 3, "	"
" 4, "	"
" 5, "	"

KEEP-WITH.

Issue Case.

I. E. Form No. 21.

P. W. 1876. Department
from No. 5535
The Chief Engineer for Irrigation.

No. 116-W.
Dated 19 July 1876.
Received 3 August

Subject:—
South flood bank of Pennair &
— not submitting estimate for im-
proving the — & for closing the Mudi-
vertipalem breach, with remarks.

ENCLOSURES. 2

E. I. Form No. 22.

No 1946 Public Works Department.
PROCEEDINGS of the MADRAS GOVERNMENT.

UNDER date the 1 Aug 76

READ the following:—

Note by the Chief Engineer for Irrigation
No 116 W, dated 19th July 1876.

With reference to the
orders as per margin
the following estimates are
sanctioned.

Ordinary Agricultural Works &
Original Works.

1/1/76 Rs 1051 of 1876 Improving south flood bank
of Pennair from Mudi-
vertipalem to ancient Rs 42,800
2/1/76 " 861 — do do from ancient
to the sea — 61,450

Repairs.

3/1/76 — Closing Mudi-vertipalem
breach — 7270

The District Engineer will
furnish explanation as
to the cause of the great

difference in quantity
between the original and
revised estimate for the
Mud diverticulum breach
and with regard to in-
crease of rate for turpin.
These sanctions have been
granted as shown above

G. H. H.

J. C. Rehner ✓
Collector - do -
C. E. for 3 with 2 Enalos
in A. H. H. ✓
New York ✓

Sept 16/85

535/27
 GOVT. of 1876 Madras.
 PUBLIC WORKS.

To Mr H. B. Sellowe

Date

Level

R. 1

Each

G. O. T. August 1876. No. 1946

No. 5-4-6-

South flood bank of
Pennair, Sellowe D.

The estimates submitted
 by the Ch. Engr for Sellowe
 for improving the — and
 for closing the undivided
 kalam breach, sanctioned
 with remarks.

Estimate No. 1946
 17-8-76