

(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.	93	(2)	Press
B.P. No.			Mis.
Dated	15-1-		1876 .

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
15th January 1876.*

Read the following :—

No. 2.

No. 183.

Note by the Chief Engineer for Irrigation.

THE District Engineer, Godavery, has submitted an estimate, amounting to Rupees 12,000, for clearing and embanking the Gonter drain from the Attelli road to the junction with the Gostanuddi out-fall, a distance of $8\frac{3}{4}$ miles. The Gonter is a natural line of drainage of very irregular section and slope. About 45 square miles

* Above the Viraveswaram road, vide Range Officer's No. 615, dated 22nd January 1875. District Engineer's No. 3,757, dated 4th March 1875.

of country are dependent* upon it for their relief from rainfall and surplus irrigation water; of the latter, now that the Nursapore canal on the one side and the

Velpur canal on the other are being improved, there will be an inconsiderable quantity.

2. The improvements executed under the completion estimates in the lower part of this section of the Western Delta have rendered it feasible to make the Gonter more efficient, and the question to be decided is from what funds should drainage work, not specially required in connection with irrigation and not rendered necessary thereby, be carried out. The undersigned is of opinion that Agricultural, Miscellaneous, will be the proper head of charge, and that in the present case the work should be treated as a repair.

3. In submitting the estimate, the District Engineer should have briefly recapitulated the circumstances stating the data on which the dimensions proposed for the drain have been based. The waterway will be too irregular to allow of accurate calculation, but on the general principles upon which the delta drainage is intended to be based, and which provide for a maximum discharge of 2 inches of rainfall in 24 hours from a standard area of 5 square miles, the corresponding discharge would be 1 inch in this case. The drain will with the water $4\frac{1}{2}$ feet deep carry about half an inch, and the embankments are to be $2\frac{1}{2}$ feet above this W.L. Experimentally only can the water-levels be determined, but it is thought that it is probable that they will be somewhat higher than is convenient, and it will be well to allow higher banks wherever the cutting will allow of these. As in other cases the arrangements will be tentative. They will effect a considerable, but whether or no a sufficient improvement will depend upon the rapidity with which the drainage flows off into the Gonter.

4. Gauges should be set up and the freshes regularly recorded.

FORT ST. GEORGE,
1st January 1876.

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

No. 184.

ORDER THEREON, 15th January 1876, No. 93.

IRRIGATION, No. 15.

HIS Excellency the Governor in Council approves of the clearance and improvement of the Gonter drain in the

Western Delta, Godavery, being carried out under Agricultural, Miscellaneous, Repairs.

(True Extract.)

Major-General, R.E.,
Secretary to Government.

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

Exd. E. C. Shunker.
Sd/- Conies

No 2

Note by the Chief Engineer for Irrigation

Enclosures 4.

The District Engineer, Godavari, has submitted an estimate amounting to Rspees 12000 for clearing and embanking the Gontur drain from the Atelli road to the junction with the Gostanaddi outfall, a distance of 8 $\frac{3}{4}$ miles. The Gontur is a natural line of drainage of very irregular section and slope. About 45 square miles of country are dependent upon it for their relief from rainfall and surplus irrigation water - of the latter, now is that the Nursapore Canal on the one side and the Velpur Canal on the

* Above the
Viraswaram
Road. Vide
Range Officer
N. 615 dated 22
January 1875.
District Engineer
N. 3707 dated
14 March 1875.

the other are being improved, there will be an inconsiderable quantity.

2. The improvements executed under the completion estimates in the lower part of this section of the western Delta have rendered it feasible to make the Center more efficient, and the question to be decided is from what funds should drainage work, not especially required in connection with irrigation and not rendered necessary thereby, be carried out.

The undersigned is of opinion that Agricultural, Miscellaneous, will be the proper head of charge and that in the present case the work should

be treated as a repair.

3. In submitting the estimate, the District Engineer should have briefly recapitulated the circumstances stating the data on which the dimensions proposed for the drain have been based. The waterway will be too irregular to allow of accurate calculation, but on the general principles upon which the Delta drainage is intended to be based, and which provide for a maximum discharge of 2 inches of rainfall in 24 hours from a standard area of 5 square miles the corresponding discharge would be 1 inch in this case. The drains will with the water $4\frac{1}{2}$ feet deep carry about $\frac{1}{2}$ an inch and the embankments are

are to be $2\frac{1}{2}$ feet above this W.L.

Experimentally only can the water levels be determined, but it is thought that it is probable that they will be somewhat higher than is convenient and it will be well to allow higher banks whenever the cutting will allow of them. As in other cases the arrangements will be tentative. They will effect a considerable, but whether or no a sufficient improvement will depend upon the rapidity with which the drainage flows off into the Centre.

4. Gauges should be set up.

up and the freshes regularly recorded.

Verdant W. 1st January 1871
Chief Engineer for Irrigation.

FORMER CASES.

Current No. of 187
 " " " " " "

P. 1876 Dept
 M. WORKS FORM No. 3.

Current No. 187

From

Ch: Eng^r for
 Irrigation

No. 2
 Dated 2nd Janry: 1876
 Recd 10th

Subject:—

Note on letter from
 the Dist. Eng^r Godavery
 submitting let: for clearing
 out and banking Gutter
 drains in No 3 Range,
 Godavery Dist.

ENCLOSURES. 4.

From

to

"

"

"

"

"

"

Orders and Proceedings in file.

Depart- ment.	No.	Date.	ENDORSEMENTS.		
			Depart- ment.	No.	Dated.
P. M. S.	367	14 th Jan 1876			
	369	15 th Jan 1876			
	375	15 th Jan 1876			
	376	15 th Jan 1876			

183

No 93

P. M. Dept

Proceedings of the Madras Government.
 15 Jan 76.
 Read the following

From

The Chief Eng^r for Irrigation (H. E. No 2 of 2nd Jan 76)

His Excellency the
 Governor in Council orders
 of the clearance and improve-
 ment of the Gutter drain
 in the Western Delta, in
 Godavery, being carried out
 under Agricultural & Mis-
 cellaneous - Repairs.

By. G. I.

G. I.

D. F. Godavery
 Collect^r of do -
 Chrgs for Eng^r with 4 Encls -
 Encl. 11 by Works
 Rev. Dept

15

Drop. 21. 1. 76

FORMER CASES.

Current No. of 187
 " " " " " "

P. 1876 Dept
 M. WORKS FORM No. 3.

Current No. 187

From

Ch: Eng^r for
 Irrigation

No. 2
 Dated 2nd Janry. 1876
 Recd 10th

Subject:—

Note on letter from
 the Dist. Eng^r Godavery
 submitting let. for clearing
 out and banking Gutter
 drains in No 3 Range,
 Godavery Dist.

ENCLOSURES. 4.

From

to

"

"

"

"

"

"

Orders and Proceedings in file.

Depart- ment.	No.	Date.	ENDORSEMENTS.		
			Depart- ment.	No.	Dated.
P. M. S.	367	14 th Jan 1876			
	369	15 th Jan 1876			
	375	15 th Jan 1876			
	376	15 th Jan 1876			

183

No 93

P. M. Dept

Proceedings of the Madras Government.
 15 Jan 76.
 Read the following

From

The Chief Eng^r for Irrigation (H. E. No 2 of 2nd Jan 76)

His Excellency the
 Governor in Council orders
 of the clearance and improve-
 ment of the Gutter drain
 in the Western Delta, in
 Godavery, being carried out
 under Agricultural & Mis-
 cellaneous - Repairs.

By. G. I.

G. I.

D. F. Godavery
 Collect^r of do -
 Chrgs for Eng^r with 4 Encls -
 Encl. 11 by Works
 Rev. Dept

15

Drop. 21. 1. 76

2/16/76

Govt. of Madras.
PUBLIC WORKS.

Dist: *Ambo Godavery*
17/11/76

Dated

At

By

For

G.O. 15 Jan 1876, No. 93

Nos. 183-184

11.4.

Counter drawn in the Western
Billia Godavery. Approving
of the clearance & improvement
of the — being carried out
under Agricultural Mis-
cellaneous - Repairs.