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MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No.	2326	Press
B.P. No.		Mis.
Dated	19-8-	C874 195

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*Proceedings of the Madras Government, Public Works Department,
19th August 1874.*

Read the following papers:—

No. 455. From the District Engineer, Godavery, dated 9th July 1874, No. 1,143.

No. 455A. *Note by the Chief Engineer for Irrigation.*

THE revised design and estimate for a surplus weir at 10½ miles on the Attili Canal, Western Delta, Godavery, are submitted for sanction.

The amount for this weir included in the canal estimate,* which is in course of execution, is Rupees 2,550, and the present estimate is Rupees 3,600. The

increased cost is due to the alterations pointed out as probably necessary in paragraph 14 of the Note reviewing the estimates for this delta, printed in Proceedings of Madras Government, No. 768, 14th March 1871:—

The level of the crest has been altered from	...	21.75 to 21.25
Do. cushion floor	do. from	16.25 to 11.75
Do. bed of surplus channel	do. from	17.75 to 14.00

and the arrangements, mode of regulation, etc., have been materially improved.

2. The only alteration in the design which appears to be desirable is a modification of the form of the rear wings which as shown—

- (1.)—Enclose some useless space, as the water cannot spread so rapidly as to fill the wide splay.
- (2.)—Increase the length of the retaining wall and aprons.
- (3.)—Are apt to induce transverse currents.

Wings arranged on the curves shown in pencil will be an improvement.

3. To meet the increase on the cost of this work, and of other similar modifications of the details of other works, Rupees 1,200 were added to the canal estimate. The District Engineer also reports a probable saving of Rupees 2,330 on the Godecherla lock, but the sanction for this has been taken as Rupees 15,730 instead of 14,730, so that the probable saving will be Rupees 1,330 which will more than cover the additional sanction now required, which it is recommended should be given.

OOTACAMUND, (Signed) JOHN MULLINS, Lieut.-Colonel, R.E.,
24th July 1874. *Chief Engineer for Irrigation.*

No. 456. ORDER THEREON, 19th August 1874, No. 2,326.

IRRIGATION, No. 39.

THE revised design and estimate, amounting to Rupees 3,600, for a surplus weir at 10½ miles on the Attili canal are sanctioned, and the latter will be substituted for that forming part of the sanctioned estimate of Rupees 86,000 for this canal now under execution from Loan Funds.

(True Extract.)

Lieut.-Colonel, R.E.,
Joint Secretary to Government.

To the District Engineer, Godavery.
" Chief Engineer for Irrigation.
" Officiating Controller of Public Works Accounts.
Exd. T. O'Connor.
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MEMORANDUM.

Requested for refere nce the under-mentioned papers :-

- 1. SC H: 1229-3 July 34 with 2 Enclosures
- 2. SC H: 576-23 July 34 with 7 Enclosures
- 3. SC H: 259-26 January 1874
- 4. SC H: 147-4 Feb 1869
- 5. SC H: 327-2 January 1869 with 1 Enc.
- 6. SC H: 163-22 Jan and 1869 with 1 Enc.
- 7. SC H: 1309-13 July 34 with 1 Enc.
- 8. SC H: 1173-22 Jan 34
- 9. SC H: 1340-23 July 34 with 2 Enc.
- 10. SC H: 499-27 Jan 34
- 11. SC H: 128799 July 34 with 3 Enclosures

Disposed of as
 SC H: 2295-18 Aug 34.

SC H: 2314-19 Aug 34.

SC H: 2325-19 Aug 34.
 SC H: 2326-19 Aug 34.

J. H. [Signature]
 Head Clerk

11-9-1874

OFFICE OF THE CHIEF ENGINEER
 FOR IRRIGATION,

To
 The Registrar of the [unclear]

54
Note by the Chief Engineer for Irrigation
The revised design and estimate
for a surplus weir at 10 1/4 miles
on the Attali Canal, Western
Delta, Godavary are submitted
for sanction.

* Rupees 86,000. The amount for this weir included
in the Canal estimate, which
is in course of execution, is Rupees
2,550 and the present estimate
is Rupees 3,600. The increased
cost is due to the alterations
pointed out as probably neces-
sary in para 14 of the Note,
reviewing the estimates for this
Delta, printed in P.M. L. N.
768-14th March 1871.

The level of the crest has ^{been} altered from 21.75
to 21.25

cushion floor do 16.25 to 11.75

bed of surplus channel do 17.75 to 14.00
and the arrangements, mode of
regulation &c have been materially
improved.

2. The only alteration in the de-
sign which appears to be desirable
is

is a modification of the form of the rear wings which as shown

1. enclose some useful space, as the water cannot spread so rapidly as to fill the wide splay.

2. increase the length of the retaining wall and aprons

3. are apt to induce transverse currents.

Wings arranged on the curves shown in pencil will be an improvement.

2. To meet the increase on the cost of this work, and of other similar modifications of the details of other works, Rupees 1200 were added to the canal estimate. The District Engineer also reports a probable saving of Rupees 2,330 in the Godcherla lock, but the sanction for this has been taken as Rupees 15,730 instead of 14,730, so that the probable saving will be Rupees 1,330 which will

Public Works Department
Proceedings of the Madras Government
Read the following
The Dykes Godavery (No. 1143 dated 9th July 1874)
Chief Engr for Dev (No. 1143 dated 24th July 1874)
2326

24th July 1874

Recommended
Chief Engineer for Irrigation

Secretary to Govt. Works

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by 27/7/74
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P. J. 1874 Sept.
No. of Govt. for wings
No: 4844
From

The Chief Engro.
for Irrigation

Dated 24 July 1874
Recd. 3 Aug 1874
C. L.

Note on the
revised design and
estimate for a surplus
weir at 10 1/4 miles on
the Attili Canal.
Godavery St.

Q. No: 2326. 19-8-74
5-11-74

CR 45302

increase of 14,130,

so that the probable saving

will be Rupees 1330 which

Public Works Department
Proceedings of the Madras Government
From The Dy. Godavery (No. 1143 dated
" Chief Eng for Sew (No. 1143 dated 24 July 1874)
2326

The revised design
and estimate, a-
mounting to Rupees
3,600, for a surplus
weir at 10 1/4 miles
on the Attili Canal
are sanctioned, and
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substituted for that
forming part of
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86,000 for this Ca-
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P. The Dy. Godavery & Co. Secy. to Govt.
24 July 1874. C.M.W.

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Govt. of 1874 Madras.
PUBLIC WORKS.

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Dated

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50

G. O. 15 Aug 1874, No. 2225

Nos.

455-456

Atli Canal. Go. 74

The revised design
Estimate for a
plus weir at 10 3/4
feet on the canal
mentioned with remarks.

456