

(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.	1065	Press
B.P. No.		Mis.
Dated	12-6-	1955

Not to be folded or roughly handled

Read the following letters :—

No. 293. From Major J. BEATTY, R.E., District Engineer, Godavery, to Lieutenant-Colonel J. MULLINS, R.E., Chief Engineer for Irrigation, dated Dowlaishweram, 6th April 1875, No. 59.

WITH reference to your instructions regarding raising of river banks above the highest flood-water level, I have the honor to inform you that I have sanctioned an estimate, amounting to Rupees 1,033-8-0, for erecting a wall along the top of the embankment in the Workshop compound, and to request you will be good enough to inform me how funds should be provided for this work. The wall has been determined on at that place as the most convenient and economical plan owing to the difficulty of obtaining earth for raising.

2. Captain Brockman thinks half the cost of the work should be met from the Workshop funds, the other half being debited to Agricultural Repairs. In my opinion the whole cost should be met from the latter source.

3. As nearly all the embankments in the district will require raising, it may be well to settle once for all how the cost of these improvements is to be met.

No. 294. From the same Officer, dated Dowlaishweram, 26th May 1875, No. 666.

WITH reference to paragraph 2 of your memorandum No. 370, of 12th April 1875,

- 1 Plan.
- 1 Longitudinal Section.
- 2 Estimates.
- 1 Copy of Range Officer's letter No. 64, dated 4th May 1875.

I have now the honor to forward you plans, sections, and estimates showing the difference in cost between a masonry wall and an earthen bank in front of the Workshop compound.

2. The wall would cost Rupees 1,368, and the bank 1,616. The bank, besides being the most costly, encroaches seriously on the valuable space outside the bank, on which boats are now built or drawn up for repairs. The Range Officer, in his letter herewith forwarded, points out the objection to heightening the bank by widening it on the Workshop side because two important buildings, the charcoal godown and the two saw-pit sheds, abut upon the bank.

3. I think the present section of the bank, showing the position of the proposed masonry wall, will satisfy you that there is little or no risk in constructing the wall there, as the bank is a very old one and has long been a thoroughfare, both between the river and the Workshop and between the northern and southern gates.

4. In this estimate I have accepted the levels you fixed, 6 feet above highest recorded flood level for earthen banks and $4\frac{1}{2}$ feet for masonry, but when submitting estimates for heightening the banks generally, which will be necessary everywhere, I hope to give information and the results of my calculations as to the necessity for the proposed raising. This Workshop estimate is a special and emergent case.

5. In the 5 miles above and below the anicut I am now proceeding with the raising to 3 feet above maximum flood level, as already reported.

6. In all the five ranges of this district the Range Officers are preparing estimates for raising the banks to the fixed height; and I may state generally that the state of the embankments below the anicut is dangerously low, while those above are all below the level you have fixed.

Proceedings of the Madras Government, Public Works Department,
12th June 1875.

From Captain R. R. E. BROCKMAN, R.E., Executive Engineer in charge of No. 1 or Eastern Delta Range, Godavery, to Major J. BEATTY, R.E., District Engineer, Godavery, dated Dowlaisheram, 4th May 1875, No. 64.

In reply to your Memorandum No. 353, dated 3rd instant, communicating Memorandum No. 370, dated 12th ultimo, from the Chief Engineer for Irrigation, relative to the raising of a wall on the river bank opposite the Government Workshop, I have the honor to state that a moiety of the cost should, I think, be borne by the Government Workshop, as it is for the convenience of the latter that a masonry wall has been adopted instead of raising the bank with earth. Three of the buildings attached to the shop, viz., the charcoal godown and the two saw-pit sheds, abut on the edge of the present bank, and as in the event of earth being used the additional height would have to be 6 feet, with slopes of $1\frac{1}{2}$ to 2, and the buildings would be encroached upon to such an extent as to render them almost useless. The cost of raising the bank with earth dredged from the lock channel or boated from the canal could not be done at less than 3 annas per cubic yard, as the lift from the river to the top of the bank would be so great, would have to be thrown on the river face of the slope and the widening carried up on that side. This would increase the estimate to a very large amount, not less, I should say, than 50 per cent. more than the cost of the proposed wall. The weight of the wall would be insignificant, and the width of the basement and concrete has purposely been made of a good width. I do not anticipate any settlement taking place were the bund to become saturated, as it has been in existence for so many years and become thoroughly consolidated by continual and daily traffic over it.

No. 295.

ORDER THEREON, 12th June 1875, No. 1,665.

IRRIGATION, No. 27-AA.
Account.

THE estimate of Rupees 1,368 for constructing a wall in lieu of a flood embankment on the river side of the Dowlaisheram Workshop ground is sanctioned under Agricultural, Miscellaneous, as a Minor New Work, and the amount is made available from the sum at the disposal of Government under the latter head.

(True Extract.)

(Signed) J. O. HASTED, Major, R.E.,
Officiating Joint Secretary to Government.

To the District Engineer, Godavery.
" Controller of Public Works Accounts.

A. Chubbuck

Ed. S. T. Austin.

Spare Copies

No. 59

District Engineer's Office, Godavery
Dowlaisheram, 6th April 1875

From,

Major J. Beatty R.E.
District Engineer Godavery

To,

Lieutenant Col. P. Mullins R.E.
Chief Engineer for Irrigation
Madras.

Sir,

With reference to your instructions regarding raising of river banks above the Highest Flood Water level, I have the honor to inform you that I have sanctioned an Estimate amounting to Rupees 1033-8-0 for erecting a wall along the top of the embankment in the Workshop Compound, and to request you will be good enough to inform me how funds should be provided for this work. The wall has been determined on at that place as the most convenient and economical plan owing

to

to the difficulty of obtaining earth for raising.

2.

Captain Prockman thinks half the cost of the work should be met from the Workshop funds, the other half being debited to Agricultural Repairs. In my opinion the whole cost should be met from the latter source.

3.

As nearly all the embankments in the District will require raising it may be well to settle once for how the cost of these improvements is to be met.

I have the honor to be

Sir

Your Most Obedt. Servant
R. Peary Major R.E.
District Engineer Godanary

Compt.
L.B.

69
11

L.D.R. W 3202 12th
ap^l/75.

From Mr. V. 1875 Sept.
No. 683.

The District Engineer

Godanum

To

No: 3829

The Chief Engineer
for Irrigation

Dated 6th

Received 12th April 1875

Recd. 10 June/75.

Sd/- Encl^{os} 12th 75

Informing that he has sanctioned
an Estimate amounting to Rs.

1033-8-0 for erecting a wall along
the top of the embankment in the
Workshop Compound at Dowlaiswaram

and requests to inform how funds
should be provided for this work
as well as for all other embankments
in the District which require raising

K 293

Peto from Oct 10

No. 666

From.

District Engineer's Office Godanum
Dowlaiswaram 26th May/1875.

Major J. Beatty V.C.

District Engineer Godanum

To

Major J. O. Hasted V.C.

Chief Engineer for Irrigation.

Madras.

Dear Sir,

With reference to para 2 of your
Memo No. 370 of 12th April 1875 I have now
the honor to forward you plans, sections and
Estimates shewing the difference in cost
between a masonry wall and an earthen bank
in front of the workshop Compound.
2. The wall would cost Rs. 1368 and
the bank 1616. The Bank besides being
the most costly encroaches seriously on the
valuable space outside the bank on which
Boats are now built or drawn up for repairs.
The Range officer in his letter herewith for-
warded points out the objection to heightening
the bank by widening it on the workshop
side

side, because two important Buildings the
Charcoal Godown and the two saw Pit
sheds abut upon the Bank.

3 I think the present section of the
bank showing the position of the proposed
masonry wall, will satisfy you that there
is little or no risk in constructing the wall
there as the bank is a very old one and has
long been a thorough-gate, both between the
River and the workshop and between the
Northern and Southern gates.

4 In this Estimate I have accepted
the levels you fixed 6 ft. above highest
recorded flood level for earthen banks and
4 1/2 feet for masonry, but when submitting
Estimates for heightening the banks generally
which will be necessary everywhere, I hope
to give information and the results of my
calculations as to the necessity for the proposed
raising. This workshop Estimate is a
special and urgent case.

5 In the five miles above and below
the Anicut I am now proceeding with the
raising to 3 feet above maximum flood
level

level as already reported). 994

6 In all the five Ranges of this
District the Range officers are preparing
Estimates for raising the Banks to the fixed
height, and I may state generally that the
state of the embankments below the Anicut
is dangerously low, while those above are all
below the level you have fixed.

I have the honor to be
Sir.

Yours most obedient servant
J. Beatty Major R.E.
District Engineer Godavery.

Proceedings of the Madras Government

Under date the 1875

Read the following

From The Dist. Engr. Godavery H.C. No. 59 of 6th April 1875

" do do do H.C. No. 26 of 26th May 1875

by O No. 1665 of 12th June 75

The estimate of

Rs. 1368 for constructing a wall in lieu of a flood embankment on the river side of the Dowlaisheram workshop ground is sanctioned under Agricultural Miscellaneous, as a Minor new work, and the amount is made available from the sum at the disposal of Government under the

No 2911
1st to 10th June 1875
Rev. 5th June 1875
A.C. No. 2 June

to satisfy the Chief Engr.
on the safety and
expediency of constructing
a wall instead of a bank in
front of the workshop compound.

Dated 26th May 75
Recd. 1st June
No. 666

The District Engineer
Godavery District
Chief Engineer
for irrigation

O. No. 1875 of 5th April 75
H.C. No. 2828

the latter head.

The D.E. Lodwary 9

Chief Engineer

SC 100-25.

with 5 enclosures

3828

3829

Govt. of Madras.

PUBLIC WORKS.

To

The Dy. Insp.

Indanary

Dated

Issued

Recd.

Encl.

G. O. 12 June 1875 No. 1665

No. 793 - 295

A Wall in lieu of a flood
embankment on the river
side of the Dowlaishwaram
Workshop ground.

Estimate of Rs: 1,368 for
constructing ———, *Sanjay*
with remarks.