

(1) Number of pages _____

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(3) Initials of the Referencer _____

MADRAS RECORD OFFICE

Government of Madras

Public works

DEPARTMENT

G.O. No.	1275	Press
B.P. No.		Mis.
4172		
Dated	6.5.	18.43.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
6th May 1873.*

No. 71.

Read the following:—

No. 221.

MEMORANDUM.

THE undersigned has, with reference to the Orders of Government of the 17th March, No. 123, and 19th March 1873, No. 859, inspected the Cauverypauk tank, and has given the District Engineer detailed instructions for the work to be done to place it in a secure and efficient state.

2. The cracks in the wing-walls of the lion sluice have not affected the security of the tank: these walls support a mass of earth in advance of the bund proper, and part of this earth was washed out.

3. The slips in the bund are all to the north of the lion sluice. The principal slip is only a few yards from the sluice, and quite recently a part of the bund between that slip and the sluice has been, and is, in movement. Two other slips of some magnitude have occurred, and two or three minor ones, and it is probable that, as the clearing of the bund, which is being carried out under the Collector's orders, advances, other minor slips will become apparent.

4. All the considerable slips are attributable to water penetrating the bund from the tank. The soil of this part of the bund is much of it very bad. There are deep cracks on the top and slopes, due to the nature of the soil. The bund has undergone at various times raising, and the layers of soil are of different descriptions. The water level of the tank was higher last November than it has been for many years before, and the water, very apparently at the principal slip, entered through the interior slope and saturated the soft clays, of which a good deal of the bank is composed, and these then gave way beneath the weight of the superincumbent earth. A ring-bund was formed in front of this slip, and the flow of water through the bund was arrested.

5. There is, and is likely to be, too much water to admit of water-tight material being placed on the inside slope of the bund, and a puddle core will therefore be inserted in its body at this part; but there are many other places where there has been more or less leakage, and others again where there is sub-soil leakage, and wherever practicable these will be dealt with by making the front of the bund water-tight.

6. The bund is generally massive and of ample height above water; the waste weirs are efficient works and capable of disposing of much more water than the tank received last year.

7. The work to be done to this tank will cost a large sum, and will occupy more than one season. A subordinate of considerable experience should be employed exclusively to superintend the work so long as it can be continued.

8. Mr. Whiteside in paragraph 4 of his letter of the 10th February says, that there will have to be heavy remissions this year. On the 2nd April, however, there were 14 feet of water on the sill of the lion sluice, and the level of the tank was but 5' 10" below full level, so that there is now more than a four months' supply, and on the 10th February the water was higher than it now is.

FORT ST. GEORGE, (Signed) JOHN MULLINS, Lieut.-Colonel, R.E.,
7th April 1873. Chief Engineer for Irrigation.

*Proceedings of the Madras Government, Public Works Department,
6th May 1873.*

No. 72.

ORDER THEREON, 6th May 1873, No. 1,275.

IRRIGATION, No. 4.

THE Chief Engineer for Irrigation will call for and submit a detailed report by the District Engineer on the nature, amount, and cost of work done to place the Cauverypauk tank in a secure state, between the date of his inspection and the 1st October next. It is observed that a Sub-divisional Officer is attached to the range in which the work is situated, much of whose attention may be given to it.

2. The Chief Engineer's report will be communicated to the Board of Revenue, with special reference to its last paragraph.

(True Extract.)

(Signed) G. W. WALKER, Colonel, R.E.,

Secretary to Government.

*Proceedings of the Madras Government, Public Works Department,
28th April 1873.*

No. 465. Read the following letter from Captain J. PENNYCUICK, R. E., District Engineer, North Arcot, to Lieutenant-Colonel J. MULLINS, R. E., Chief Engineer for Irrigation, dated Vellore, 14th April 1873, No. 176:—

I HAVE the honour to request sanction for the following expenditure for taking the surveys and levels in connection with the restoration of the tanks in the neighbourhood of the town of Vellore:—

1 Surveyor, at Rupees 60, for three months	...	...	...	180
4 Lascars at „ 6 „ „	...	...	...	72
				<u>252</u>

No. 466. ORDER THEREON, 28th April 1873, No. 1,208.

ESTABLISHMENT, No. 43.

SANCTIONED. The charge will be met from the provision for temporary Establishments.

(True Extract.)

G. W. Walker Colonel, R.E.,
Secretary to Government.

To the District Engineer, North Arcot.
„ Controller of Public Works Accounts.
„ Chief Engineer for Irrigation.

*Colon Mullins re letter
dated in G. O. 1871/72
6th May 1873.*

Exd. S. T. Austin.

N^o 221.

Memorandum

The undersigned has, with reference to the Orders of Government of the 17th March N^o. 123 and 19th March 1873 N^o. 859, inspected the Cauvery tank, and has given the District Engineer detailed instructions for the work to be done to place it in a secure and efficient state.

2 The cracks in the wing walls of the Lion Sluice have not affected the security of the tank: these walls support a mass of earth in advance of the bund proper, and part of this earth was washed out.

3 The slips in the bund are all to the north of the Lion Sluice. The principal slip is only a few yards from the Sluice, and quite recently a part of

7 The work to be done to this tank will cost a large sum, and will occupy more than one season. A subordinate of considerable experience should be employed exclusively to superintend the work, so long as it can be continued.

8 Mr. Whiteside in para 4 of his letter of the 10th February says - that there will have to be heavy remissions this year. On the 2^d April however there were 14 feet of water on the sill of the Lion sluice, and the level of the Tank was but 5'-10" below full level, so that there is now more than a 4 months ^{supply} and on the 10th February the water was higher than it now is.

Fort Saint George }
7th April 1873 }
Whitburn
Lieut. Col. R. S.
Chief Engineer for Irrigation.

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

P. W. 1873 Depart
M^o of Govt for May
From No 2336.

The Chief Engineer
for Irrigation

To
The Secretary to
Government
D O M

Dated 7th April
Received 10th 1873.

No 221

Reports the result
of his inspection of the
Cauvery tank. Tank
bund and the in-
structions given to
Distt Engr for its
restoration.

No 1275-5th May 73-20.

No 37 May
M 71

P. W. D

No 1275

The Chief Engineer
for Irrigation will call
for and submit a detailed
report by the District
Engineer on the nature,
amount, and cost of
work done to place the
Cauvery tank in
a secure state, between
the date of his inspection
and the 1st October next.
It is observed that a
Sub Divisional Officer is
attached to the Range
in which the work is

situated, much of whose
attention may be given
to it -

The Chief Engrs'
Report will be com-
municated to the Board
of Revenue, with special
reference to its last
para -

GMW

11/5/73

50
Chief Engrs for Immigration ✓
Rev. Dept ✓
B. of Rev. ✓
of DE. & Arch ✓

Dec 15-5-73

2336.

Govt. of Madras.

PUBLIC WORKS.

To the Chief Engineer for
Irrigation

Dated

Recd.

Encl.

G. O. S. No. 1275-

Recd. 7/1-17/2

Canarypank Tank

Preparing orders in
report of the Chief
Eng. for inspection on the
condition of the Canary-
pank Tank.