M.R.O. 1—20,002—12-8-65.

(1) Number of Pages 4

(2) Date of repair 29.1.66

(3) Initials of the Referencer

MADRAS RECORD OFFICE

GOVERNMENT OF MADRAS

Rev DEPARTMENT

G.O. No.	118	Press
B.P. No.		Mis.
Dated	19-5-1873	196 .

Not to be folded or roughly handled

No. 71. Read the following :—

No. 71.

MEMORANDUM:

THE undersigned has, with reference to the Orders of Government of the 17th March, No. 123, and 19th March 1873, No. 129, 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 away.

3. The slips in the bund are all to the south 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 subsided 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 [illegible] 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, 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 here 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 discharging of much more water than the tank received last year.

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

8. Mr. Whiteside in paragraph 4 of the 19th February says, that there will have to be heavy remissions. On the 2nd April, however, there were 14 feet of water on the cill of the sluice, and the level of the tank was but 5′ 10″ below full level, so that there is more than a four months' supply, and on the 10th February the water than it now is.

FORT ST. GEORGE, 7th *April* 1873. (Signed) [illegible]LLINS, Lieut.-Colonel, R.E.,
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.

amount, and cost of work done to
between the date of his inspection a
a Sub-divisional Officer is attached
much of whose attention may be gi

2. The Chief Engineer's r
Revenue, with special reference t

THE Chief Engineer for Irrigation
call for and submit a detailed report
ie District Engineer on the nature,
Cauverypauk tank in a secure state,
st October next. It is observed that
age in which the work is situated,

be communicated to the Board of
graph.

ct.)

Colonel, R.E.,
Secretary to Government.

To the Chief Engineer for Irrigation.
" Revenue Department.
" Board of Revenue.
" District Engineer, North Arcot.

Exd, S. T. Austin.

J. Spare Copies

Revd 1873 Sept
No 1393

Govt. of {1873} Madras.

PUBLIC WORKS.

To

THE CHIEF ENGINEER &c

IRRIGATION.

&c. &c. &c.

Dated May 6th.

Recd. May 17th 1873 Encl

G. O., 6th May 1873, No. 1,275.

MEMY.

Rec. 72-73

No 118 - 19th May 1873

Contingent Fund—Proposal to grant Rs on account of Chief Engineer for Irrigation for the execution of Tank Cleaning and Repairs

Write Order

No 118

19 May 73.