

(1) Number of pages 12

(2) Date of repair \_\_\_\_\_

(3) Initials of the Referencer \_\_\_\_\_

## MADRAS RECORD OFFICE.

Government of Madras.

*Public Works*

DEPARTMENT.

G.O. No. 728

Press  
~~Mis~~

Dated 3 — 3 — 1877.

Not to be folded or roughly handled

16

*Proceedings of the Madras Government, Public Works Department,  
3rd March 1877. No. 728.*

No. 63. Read the following letter from Colonel F. J. MOBERLY, R.E.,  
Superintending Engineer, Chingleput, to the Secretary to Government,  
Public Works Department, dated Camp at Karanguly, 19th February  
1877, No. 4,019:—

In reply to G.O., No. 455, of 8th instant, I have the honor to report that the  
Red Hills tank water stood at 31·31 on  
the 13th December 1876. The discharge  
from the irrigation sluices between that day and the 8th instant, the date of the last  
return, was 787 million of cubic yards. On the 8th February it stood at 29·64.

2. In the interval 5·081 millions of cubic yards have gone from the tank, which  
on the 8th February contained 15·396 millions.

3. The above is a summary of a memorandum by Captain A. C. Smith, of which  
also I enclose a copy.

*Statement showing the Discharges, &c., of Water in Red Hills Lake for G.O., No. 455,  
5th February 1877.*

|                                           |     |     |       |             |                           |  |
|-------------------------------------------|-----|-----|-------|-------------|---------------------------|--|
| Water level, 13th December 1876           | ... | ... | ...   | ...         | 31·31                     |  |
|                                           |     |     |       | Cubic feet. | Acreage.                  |  |
| Issues from 13th to 22nd Dec.             | ... | ... | ...   | 5·292 mils. | 1,142                     |  |
| 23rd to 31st "                            | ... | ... | ...   | 4·42        | 1,743                     |  |
| 1st to 8th Jan.                           | ... | ... | ...   | 1·937       | 1,743                     |  |
| 9th to 15th "                             | ... | ... | ...   | 2·316       | 1,743                     |  |
| 16th to 22nd "                            | ... | ... | ...   | 3·037       | 1,743                     |  |
| 23rd to 31st "                            | ... | ... | ...   | 2·782       | 1,468                     |  |
| 1st to 8th Feb.                           | ... | ... | ...   | 1·466       | 1,395                     |  |
| Total                                     | ... | ... | ...   | 21·250      |                           |  |
|                                           |     |     |       | =           | 787 mil. of C. yds.       |  |
| Fall and loss, tank water-level 13th Dec. | ... | ... | 31·31 |             | Contents,<br>Cubic yards. |  |
| 8th Feb.                                  | ... | ... | 29·64 |             | 20·477 mils.              |  |
|                                           |     |     |       |             | 15·396                    |  |
|                                           |     |     | Fall  | 1·67 feet   | 5·081 (a) loss.           |  |
| Issues to irrigation                      | ... | ... | ...   | 787         |                           |  |
| Municipality                              | ... | ... | ...   | 385         |                           |  |
|                                           |     |     |       |             | 1·172 (b)                 |  |
| Difference = loss by evaporation, &c.     | ... | ... | ...   | ...         | 3·909 mils.               |  |
| Total fall by loss of (a)                 | ... | ... | ...   | 5·081 mils. | = 1·67 feet.              |  |
| " by (b) issues                           | ... | ... | ...   | 1·172 "     | = 385 "                   |  |
| " due to evaporation...                   | ... | ... | ...   | 3·909 "     | = 1·285 "                 |  |
| Or daily in 57 days =                     | ... | ... | ...   | ·0226 "     | = ·27 inch.               |  |

Proceedings of the Madras Government, Public Works Department,  
3rd March 1877. No. 728.

No. 64. ORDER THEREON, 3rd March 1877, No. 728.

IRRIGATION, No. 8.

RECORDED, with reference to G.Os., No. 455 of the 8th ultimo, and No. 703 of the 1st instant. The information submitted shows that of the difference of 5-081 millions of cubic yards in the contents of the Red Hills Tank on the 13th December 1876 and the 8th February 1877, respectively, 0-787 million of cubic yards were used for irrigation and 0-385 million by the Municipality, while 3-909 millions were lost by evaporation, absorption, &c. The total fall of the tank in 57 days was 1-67 feet, and the fall due to issues 0-385 foot or 4-62 inches. Evaporation, &c., lowered the water 1-285 feet, or on the average 0-27 inch daily.

(True Extract.)

To the Superintending Engineer, Chingleput.  
" Chief Engineer for Irrigation.  
" Financial Department.  
" Revenue Department, with G.O., No. 455, dated 8th February 1877.

Statement showing the discharges, &c.

*They don't want to see the report*  
*3A*  
*Robt - I want to see a few more and for the week in such a*  
*I wish to see the report in such a*  
*the irrigation is*  
*very low*  
*not stop for work*  
*with or without the Col. &*  
*port - At all events*  
*an immediate re-*  
*viewer to be sent*  
*1/3 Robt*

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IRRIGATION, No. 8.

RECORDED, with reference to G.Os.,  
No. 455 of the 8th ultimo, and No. 703 of  
the 1st instant. The information sub-

*Wm. Robinson*  
The letter has not yet  
replied. I have not as yet  
received. The report will  
be delayed when it comes  
here.

Yours sincerely  
W. Robinson

28/2.

*My dear Sir*  
Has the Collector  
of Chingleput reported  
a f.o. 10" dia 18 1/2 ft high  
The water is passing  
out of the tank & falling  
down the side of the  
hill & making the  
pumping arrangements  
very  
28/2. W. Robinson

are with  
sent.

Answer has been drafted as also  
instructions to the S.E. Chingleput  
with a copy to Captain A.C. Smith  
in case Colonel Moberly should  
be in Camp.

A report from the Supt. Eng. was put  
in circulation — showing  
the diminution in the contents of the  
tank between about the middle of  
December and the (I think) 8 February  
& the quantities used to irrigation  
& for supply respectively. The  
information showed that it is the  
same which is accountable for  
for the larger quantity of water  
which the tank is losing by.

1/3

in 1 day = .0226 = .27 inch.

Proceedings of the Madras Government, Public Works Department,  
3rd March 1877. No. 728.

No. 64. ORDER THEREON, 3rd March 1877, No. 728.

RECORDED with reference to G.

Statement showing the discharges, &c.  
of water in Red Hill Lake  
for G.O. No. 455. 5 Feb. 1877.

| Water level | 13. Dec. 1876               | 31.31.                      | area |
|-------------|-----------------------------|-----------------------------|------|
| Spur        | from 13 to 22 <sup>nd</sup> | 5.292 million               | 1142 |
|             | 23 <sup>rd</sup> - 31       | 4.42                        | 1743 |
|             | Jan 1 - 8                   | 1.937                       | 1743 |
|             | 9 - 15                      | 2.316                       | 1743 |
|             | 16 - 22                     | 3.037                       | 1743 |
|             | 23 - 31                     | 2.782                       | 1468 |
|             | Feb 1 - 8                   | 1.466                       | 1395 |
| Total.      |                             | 21.250 mil. ft.             |      |
|             |                             | = 1.787 million of cub. yd. |      |

| Tank water level.        | Content Cub. yd.                    |
|--------------------------|-------------------------------------|
| 13 Dec. 31.31.           | 20.477. million                     |
| 8 Feb. 29.64             | 15.396.                             |
| Fall. 1.67 <sup>ft</sup> | 5.081 <sup>(a)</sup> mil. yd. Loss. |

Spur & Irrigation .707  
Municipality .385.

Total ~~1.172~~ 1.172<sup>(b)</sup>

Difference = loss by evaporation &c 3.909 mil. cub. yd.

Total fall by loss of (a) 5.081 = 1.67<sup>ft</sup>

fall by (b) spur = 1.172 = .385<sup>ft</sup>

fall due to evaporation &c 3.909 = 1.285<sup>ft</sup>

or daily in 57 days = .0226 = .27 inch.

9<sup>th</sup> Irrigation

No 728

Public Works Department.

PROCEEDINGS of the MADRAS GOVERNMENT.

UNDER date the 3 March/77

Read the following:—

Letter from the Superintendent Engineer  
Chingleput

(Here enter No 4019 of 19 Feb/77)

Recorded with reference

to G. O. No 455 of the 8<sup>th</sup> Dec 76.  
The information submitted shows that of the difference of 5.081 millions of Cubic yards in the contents of the Red Hill Tank on the 13<sup>th</sup> December 1876 and the 8<sup>th</sup> February 1877 respectively, 0.787 millions of Cu yds were used for irrigation and 0.385 millions by

P.W.D.  
1877  
2217

Enclosure to Supt. Engineer Chingleput  
No 4019 of 19 Feb/77

3<sup>rd</sup> March/77 J.O. No 728

Sept. 1877

PUBLIC WORKS.

21

The S. C. Exchange

*Dated*

*Issued*

*Recd.*

*Encl.*

C. O., 3<sup>rd</sup> March 1877, No. 728

1102

63-64

Red Hills Tank. Report  
from the Superhugs Comptrolr  
of the discharge from the  
irrigation ditches of the —  
between 13 Decr 1876 and 8  
Feb 1877. Accented

Paul M. Day