

(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

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*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 mls.	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, Cubic yards.
8th Feb.	...	...	29.64			20.477 mls. 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 mls.	
Total fall by loss of (a)	...	...	...	5.081 mls.	= 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
38
See a few more and for
I want to see the report
See the report in such a
the irrigation is
very low
with or without the Col. &
port - At all events
an immediate re-
viewer to be sent
1/3
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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 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. Chief Engineer
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 nd	5.292 million	1142
	23 rd - 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 in Cub. yd.
13 Dec. 31.31.	20.477. million
8 Feb. 29.64	15.396.
Fall. 1.67 ^{ft}	5.081 ^(a) mil. yd. Loss.

Spur & Irrigation .707
Municipality .385.
Total ~~1.092~~ 1.172^(b)

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

Total fall by loss of (a) 5.081 = 1.67^{ft}

fall by (b) spur = 1.172 = .385^{ft}

fall due to evaporation &c 3.909 = 1.285^{ft}

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

9th 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)

Enclosure to No 4019 of 19 Feb 77
Engineer Chingleput

Recorded with reference

to G. O. No 455 of the 8th 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 13th December 1876 and the 8th February 1877 respectively, 0.787 millions of Cu yds were used for irrigation and 0.385 millions by

3rd March 77 J.O. No 728


 Oct. of 1877 Indiana.
 PUBLIC WORKS.

PUBLIC WORKS.

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The S. C. Exchange

Dated

Issued

Recd.

Encl

C. O., 3rd March 1877, No. 728

1102

63-64

Red Mills Tank. Report
from the Supervisors Committee
of the discharge from the
irrigation ditches of the —
between 13 Decr 1876 and 8
Feb 1877. Accented

Pauline M. H. H.