

(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.	64	Press
~~B.P. No.~~		Mts.
Dated	9. 1	195
		1875

Original

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
9th January 1875.*

No. 145. Read the following endorsement of the Chief Engineer for Irrigation, dated Camp at Authur, 15th December 1874, No 1,050.—

From Colonel F. J. MOBERLY, R E, District Engineer, Chingleput, to Lieutenant-Colonel J. MULLINS, R E, Chief Engineer for Irrigation, dated Guindy, 14th November 1874, No 2,861.

I HAVE the honor, in reply to G. O, No. 2,411, of 25th August 1874, to report that both Red Hill and Cholaveram Tank banks have stood well against the heaviest pressure that they have yet had to endure. The slips of 1872 do not appear to have settled any more. I propose, when the water falls, to take up the revetment and to relay it in proper section. The repair of the slip of 1873 was completed before the rains began and has not given way; the drains were acting very well when I last saw them, and fully answer my expectation.

SUBMITTED for the information of Government, with reference to G. O. of the 25th August 1874, No. 2,411.

Some correspondence of the latter part of 1873, with the Superintending Engineer's letter No. 2,821 of the 12th ultimo, reforwarding the sections, are also submitted, and these sections show the present state of the bund of the Red Hills Tank at the slips of 1872. It will be noticed that many of the cross drains as drawn have no proper outfall, and if this be really the case a clear outfall should be provided.

2 Colonel Moberly has not given all the information asked for in the order of Government, but the bund of the Red Hills Tank at the slips of 1872, and also at that further south which occurred in 1873, has stood well, the water has considerably exceeded full tank level, and for some months has stood unusually high. The Cholaveram Tank bund has likewise showed no weakness.

(Signed) JOHN MULLINS, Lt. Col., R E,
Chief Engineer for Irrigation.

No. 146. ORDER THEREON, 9th January 1875, No. 64

IRRIGATION, No 20.

RECORDED, with the remark that the Superintending Engineer should in future be careful fully to reply to the orders issued. His letter professing to reply to the order of the 25th August last gives no description of the work carried out at the slip of 1873, neither has he given that summary of the history of the slips of both the tanks which was desired.

(True Extract.)

Colonel, R E,
Secretary to Government.

To the Chief Engineer for Irrigation.
.. Superintending Engineer, Chingleput.
Exd. S. T Austin.
Spare Copies

Encl 8

No 1050. ...
Submitted for the information of
Government with reference to G. O. of the
25th August 1874. No 2411.

Some correspondence of the latter part
of 1873, with the Superintending Engineer's
letter No 2821 of the 12th Ultimo refer-
= warding the sections are also sub-
= mitted, and these sections show the
present state of the bund of the Red
Hills tank at the slips of 1872. It
will be noticed that many of the
cross drains as drawn have no
proper out-fall, and if this be really
the case a clear out-fall should be
provided -

2 Colonel Moberly has not given
all the information asked for in the
order of Government, but the bund
of the Red Hills Tank at the slips of
1872, and also at that further south,
which

which occurred in 1873, has stood well.
the water has considerably exceeded
full tank level, and for some months
has stood unusually high. The Cho-
laveram tank bind has likewise
showed no weakness.

Camp at
Arthur
15th December
1874

John Williams Leath. C. R.
Chief Engr. for Irrigation

To
The Secretary to Government
P. W. D.

3
1
The water level in the
Cholaveram tank has been
observed to be unusually
high for some months
past.

15th Dec 74
John Williams Leath
Chief Engr. for Irrigation

The water level in the
Cholaveram tank has been
observed to be unusually
high for some months
past.

26th Dec 74
P. W. D.

P. W. 1874 Depart.
Approved for Aug. 175-

No 8019.

From
The Chief Insp.
for Migration

To The Secretary
to Govt Mr S

No 1050.

Dated 15th
Recd 22nd Decr 1874.

Encl: 8

Elc No: 64. 9-1-75.

Submit with re-
marks letter from
the S. E. Chingapat.
reporting that the
Red Hills & Chelave-
ram Pantes have stood
well the pressure they
have had to endure.

OK 1/45

2. 26. Decr 1874. P. 300 Decr 74.

Camp Alamady

273

minimisation -

No 7987

Incls.

Low section
of the settle-
ment of the
Red Hill Lake
band, lately
acquired.

The undersigned has the honor
to return the section of the Red Hills
Lake band received with the enclosure
marked No 2040 of the 3rd Decr from the
S. E. Chingapat and to request
that the distance ^{North end} ~~from~~
from the section from a fixed object,
such as the migration series, or from
a permanent benchmark, may be
noted thereon.

2. There were in No 2 two slips with a
portion of band between them which
did not slip, but which was cut down
& reformers: the North and South
ends of each slip should be noted.
3. It is observed that across sections of
the band have been forwarded.
It is expected that this should be done.

P. W. 1874 ch. 10

and with the water
section of the bund as complete,
otherwise the extent of the movement
will not be ascertainable.

Aug. 14/1873

Murapore
Canal

After unwatered
the 1872-3 spring
the 1873-4 spring with
leakage.

From Lt. Chingfat
the 1873-4 spring
of the Chingfat
112 days 11 1/2 2000

No 79 & 4

1873-
1874

For the District Engineer
Chingfat

Dated 12th September
1873

Enclosure one

Reference for the
the section of the
Red Hills Canal
bund showing
slight cracks in the
batter, restored
of 1872-

Camp Alameda
October 31st 1873

From, The Executive Engineer
No 2 Range
To, The District Engineer
Chingfat

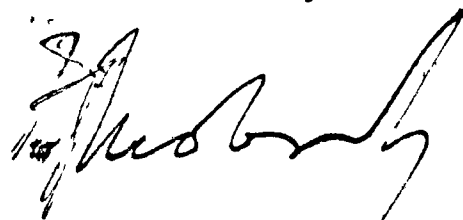
Sir,
I regret to have to report
that while on my way to this place
this morning with the Collector I
noticed slight cracks in the lately
restored revetment of last year's slip
in the Red Hill Lake Bund. I have
sent to the Anicut for the Overseer
and shall visit the bund this evening
remaining at the Red Hills for two
or three days. I will submit a further
report this evening or to-morrow mor-
ning. Meanwhile I have ordered the
Head Sluice from the Cholaneram
Lake to be closed and the water shut
off from the Red Hills reservoir
which is filling with great
rapidity

rapidity.

I have
Signed / H. S. Harrington
Exec. Engineer.

N^o 2034

Copy forwarded to the Chief
Engineer for Irrigation for information.



Col 123
District Eng. Chief.

Chief Dist. Eng. Office
Gandy 3^d Nov. 1878

R. Hills November 1st 1878

Vade R N: 1884-5 Nov 73
from O. C. Chas. J. J.
The Dist. Eng. Chas. J. J.
N: 798 AS 12 Nov 73

C. C. R. 1884
Thom P. W. 80 1874
The Dist. Engineer
Chas. J. J.

To: The Chief Engineer
for Irrigation

Dated 3^d
Rec'd 4th Nov 1873
N: 2034

Forwards a copy
of letter from the Ex-
ecutive Engineer Mount
Range reporting the
slight cracks he
noticed in the lately
restored revetment
of last year's slip in
the Red Hill Lake
bunds.

Red Hills, November 1st 1873

From,

The Executive Engineer
No. 2 or Mount Range

To, The District Engineer
Chas. J. J.

Sir,

In continuation of my letter
of yesterday's date (necessarily unnumbered
as no member of my Office
establishment being with me) I have
the honor to report that I made very
careful examinations of the Slip Bund
here both last evening and this morning
and these have led me to the conclusion
that no danger whatever need be appre-
hended from the slight cracks and sub-
sidence reported yesterday, they being
in my judgment, only occasioned by
a not unnatural settling of the whole
portion lately repaired. I forward
a longitudinal section taken in my
presence this morning, from which
it will be seen that the greatest
deflection

deflection
is something under six inches, and that
the settlement is very fairly uniform there
are no cracks in the rear slope as before,
nor the slightest appearance of moisture
at its toe or elsewhere. the revetment at the
north end has slackened slightly, and
a few stones have been pushed out so as
to project from one to two inches from the
face of the work. this slackening ceases
at three and a half feet perpendicular
from the top of the revetment. The highest
water level of last year was 11.60 above
the old Calingulah Crest on + M.S. & 42.91
but the falling back of the revetment was
first apparent when the water level stood
at 9.83 above the old Calingulah Crest.
the water level to day is 11.66 above old
Calingulah Crest or 42.97 above mean
sea level. this renewed misbehaviour
of the bund when the water had reached
to nearly exactly its highest level of
last year is, I trust, nothing more than
a curious coincidence for the cracks
which then extended to (say) 3900
above mean sea level have now to all
appearance

15
appearance, stopped at 48.81 or thereabouts.
The place will be very carefully watched
and reported upon of course and mean-
while I have instructed the Overseer
to restore the top of the Bund to its
former level with gravel dug from the
bed of the surplus channel to the extreme
north of the Calingulah. this to prevent
water from lodging. The stones will be
gradually replaced, and the inter-
stices and all openings carefully grouted
and filled in. this I am of opinion
should be done to the entire Bund,
and all rankly growing grass and
large spreading shrubs removed and
kept from growing in, any thing like
the hateful luxuriance that they do.
for this a small annual maintenance
will be necessary, and I purpose apply-
ing for the same as the services of
the Monjar and peons are insufficient
for the purpose, though of course they
may do a good deal. The Cholameram
Head Sluice has been closed and
well.

and will remain so for the present
unless I receive your instructions
to the contrary.

I have &c
Signed M. S. Harrington
Exec. Engineer

No 2040

Copy forwarded to the Chief
Engineer for Irrigation for information. Enc: 1

M. S. Harrington
District Eng. Chief

Chief D. E. Bager's Office
Gandy 3rd Nov 1873

should in future be compared with original
this letter perhaps

The Dist. Eng. Charge-
but at 798A of 12 Nov 73

C. L. No 1888
P. W. 8 Aug 74
From

The District Engineer
Chargé

Co. The Chief Engineer
for Irrigation

Dated 3rd Dec. 1
Recd 4th Nov 1873
N. 2040

Forwards a copy
of the Executive Eng's
letter reporting after
a very careful exami-
nation that no danger
whatever need be appre-
hended from the slight
cracks and subsidence
of the Red Hill
Tank bund

N 866 Memorandum

The undersigned has the honor to
acknowledge in reply to the letter N. 2297 of the
24th ult. from the D. E. Chief Eng. that
his plan to find that the ~~settling~~ ¹⁸⁷²
mud at the slip of ~~the~~ ^{the} tank in the embank
ment of the Red Hill, Tank are not of a
kind to cause anxiety, though the
mention of the "unsettlement" - as it is
understood of "the sound part between"
is not altogether satisfactory seeing that
this was removed and reconstructed to
a considerable depth.

2. The apparent absence of any cause
for anxiety does not however render
it any the less necessary that the
information, as to the condition of this
works N 798A of the 12th ult., should
be recorded on the section which
is accordingly herewith returned
again for this purpose. Dec. 2/12/73

Res. and a.
should in future be carefully ^{being} ~~being~~
to remove the cause of it - It is better perhaps

2130

1050

Submitted better information of Gov. with

1018/2821

CHINGLEPUT DISTRICT ENGR'S OFFICE,
Gandy, 12th Nov 1873

From
THE DISTRICT ENGINEER,
Chingleput.

To
The Chief Engineer
for Irrigation
Sir,
With reference to your Memo-
randa Nos 798A and 866 dated
12th November and 2nd December
1873, I have the honor to forward
cross sections of the Red Hill
Tank bund near North sluice
at the slips of October 1872

Enc!

I have the honor to be,

Sir,

Your most obedient servant,

[Signature] Colonel, R. E.,
District Engineer Chingleput

For the Chingleput
912 Nov/34 08 2004

To the Chief Engineer
Chingleput

Article 2nd
Article 93 Sec 75

For the
P. N. 8019/74
Petitioners petition
showing settlement
of Red Hill tank
bund with the
for recording with
the revenue office
for the revenue
798 & 866 12th Nov 1873

When submitted
for 2000-2001
for 1900-1901
for 1901-1902
for 1902-1903

100-2101

From
THE DISTRICT ENGINEER,
CHICAGO

To
THE Chief Engineer
for Irrigation

Dated *12th*
Received *13th* *Nov* 1874

No. 2821
ENCLOSURE

8019/74
Forwards Cross
sections of the Red
Will Tank land
near North Sluice
at the Sluice of
October 1872 -
when the land

1050
Submitted better information of Gov. with
reference to G.O. of the 25 Aug. 1874 No 2411

Small Same circumstances of the latter part of 1873

1 Rec 2130-14 with the 8.55' letter No 2821 of the 12 ult. forwarding
Nov 74

1 Rec 2104-10 the sections were also submitted and these
Nov 74 act

1 encls sections show the present state of the bank
of the Red Hills tank at the slips of 1872.

1 Dns 866-2 Dec
1 Rec 2400-24

1 Dns 778-1
12 Nov 75 It will be noticed that many of the crops
drains as drains have no proper outlet, &

1 Rec 1888-3
Nov 75 it thus becomes the case a clear outlet should
be provided.

1 Rec 1887-3
75- The land has stood well all through this year &
has been fully tested. *Nov 75* Colonel Moberly
has not completely replied to the requisition
ordered to be rendered.

Nov. 15/74

2 Colonel Moberly has not given all the information
asked for in the order of Gov., but the bank at
the slips of 1872, & also at that further south which
occurred in 1873 has stood well; the water
has considerably exceeded full tank level
& for some months has stood unusually high.
The Chocoma tank burst *Nov 15*
no water.

Camp at
Athens

Nov. 15/74

Recorder, with the remark that the
should in future be carefully fully comply
to orders the order issued - It is better proposing

to reply to the order of the 25 August last gives
 no description of the work carried out at the
 slip of 1873 neither has he given that summary
 of the slips of both the tanks which was desired.

15/12/74

The committee to call on a...
 summary, and...
 thing...
 ...

...
 ...
 ...

ptr. del. up to
 15/12/74

Papers

- Russ 2104-12 Nov 74 1000.
- 2180-14-1
- Russ 2111-25 Aug 74
- Russ 866-2 Dec 73.
- Russ 2160-26 Nov 73
- Russ 798-12 Nov 73
- Russ 1888-5 Nov 73
- Russ 1887-3 Nov 73.

19/12/74

月

Gundy, 14th November 1874.

THE DISTRICT ENGINEER,

2

The Chief Engineer
for Irrigation

I have the honor, in reply to
G. O. N^o: 2411 of 25th August 1874, to report
that both Red Hill and Cholaneram tank
banks have stood well against the heaviest
pressure that they have yet had to endure.
The slips of 1872 do not appear to have
settled any more. I propose, when the water
falls, to take up the revetment, and to
relay it in proper section. The repair
of the slip of 1873 was completed before
the rains began and has not given way.
The drains were acting very well when
I last saw them, and fully answer
my expectation.

Sir,

Yours most
affectionately

District Engineer Changleput.

№ 1050

P. Gault Mrs

Dated 15th
Decr 21 } Recd y^r.
Incld 8

P. W. 8019/74
Submitted with
remarks. Letter
from the J. S. S. S.
Church of Christ
that both the Chha-
saran & Red Hill
Parks have stood
well against the
heaviest pressure
they have had to
endure.

~~Rev 1887 - 3 days.~~

No 2297

CHINGLEPUT DISTRICT ENGR'S OFFICE,
Gundy, 24 November 1873

From

THE DISTRICT ENGINEER,

Chingleput.

To

The Chief Engineer
for Irrigation

Sir,

Enclosure 1.

In reply to your Memo No 798 A,
I have the honor to inform you that the settle-
ment of the Red Hill tank bank is merely
a slight consolidation of the new earth-
it extends over the entire length of the two
slips leaving the sound part between as it
did in 1872. The upper courses of reatment
have sunk very slightly, and their separa-
tion from the sounder part below is shown
by the crack, at the end just, at the joint
of new and old work. Had it not
been for the anxiety caused last year,
I should not have thought it necessary
to report the very trifling settlement-
which appears to be entirely above the
level of the puddle.

I have the honor to be,

Sir,

Your most obedient Servant,

H. E. Gundy

Colonel, R E,

District Engineer Chingleput

From

THE DISTRICT ENGINEER

CHINGLEPUT.

To

THE Chief Engineer
for Irrigation

Dated

Received

14th Nov 1874

ENCLOSURE.

No. 2861.

Reports that

to the Red Hill &

Cholemanian tank bank

have stood well

against the heaviest

pressure that they

have not had to

enclose

with P. N. 8019/73

Proceedings of the Madras Court.
Read the following.

Chief Engineer
for Brigation

(N. E. No. 10508) 15th Dec 1944

Recorded, with the
remark that the Super-
-intending Engineer should
in future be careful fully
to reply to the orders
issued. His letter pro-
-posing to reply to the
order of the 25th August
last gives no description
of the work carried out
at the Slip of 1873, neither
has he given that sum-
-mary of the history of
the

28/12

To Edna Thompson
 1000 10th St.
 New York

Form

THE DISTRICT ENGINEER

CHINGLUP.

To

THE
Schiff-Engineer
for ship-stations.

Dated 24 }
Received 26 }
June 1873

No 2293

LYCLOSTURE.

Informes that
attendant of the Red
Ball Court Bank is
merely a ~~Courts~~ ^{Land}
of the new ^{and} ~~new~~

18019/79

15

the slips of both the
Tanks which was de-
sired.

8019 ✓

Govt. of 1874 Madras.
PUBLIC WORKS.

To

Mr. Chief Engineer
- Mysore

Recd

Encl 5

G. O. of 14th Dec. 14

Nos

145-146

Red Hill and Chola:
Veram Tanks. Endorse-
ment by the Chief Engineer
for S. S. submitting a
letter from the S. Engineer
Chingleput reporting
that the banks of the
Tanks have stood well
against the pressure that
they have to endure, re-
corded with remarks.