

(1) Number of pages 20
(2) Date of repair _____
(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public Works

DEPARTMENT.

G.O. No.	219	(9)	Press ~~Mis.~~
Dated	23	1.	1877

Not to be folded or roughly handled

Read the following

No. 425. From Colonel F. J. MC
Chingleput, to Lieutenant-Colo
Irrigation, dated St. Thomas' M

I HAVE the honor to submit, for
consideration from the President, Madras Muni
sluices of the Red Hills tank.

2. The cultivation under this tank
we had any reason to expect so utter a fa

3. The Range Officer was instr
possible, and only 1,078 acres have been
doing well.

4. I have again desired the Rang
any excess to be issued, and we can prob
acre for the time required for the crop to

5. The tank is by the last return
there are 20½ millions cubic yards of w
56,544 cubic yards, at 2 yards per hour

6. The total average loss by evapo
·02 foot each day.

Papers:—

Y, R.E., Superintending Engineer,
MULLINS, R.E., Chief Engineer for
14th January 1877, No. 3,410.

consideration of Government, a requi
commission, calling on me to close the

gun as usual in the early season before
rain as we have experienced.

keep his issues down as much as
der cultivation; so much is, however,

to be very careful in not allowing
page with only 1 yard per hour per

feet above M.S.L., at which depth
an area of 9,813,000 square yards.
will lower the tank ·016 foot.

absorption and issue reduces the depth

No

No. 425-A.

MEMO

NUM.

THE Chief Engineer for Irrigation
withhold at this period of the season th
crops under the Red Hills tank. The
Madras seers, and this much food is of

2. In the next place the tank has a
the supply afforded to Madras town mus
will be but slightly aggravated by the ve
which completing the irrigation of the

3. It is doubtful whether the allow
by the Superintending Engineer will suff
will not, and it will not be wise econom
necessary to prevent the crops failing.
require to be well nourished to fill the ea

4. Were a full supply of 2 cubic
surface would be lowered thereby less th
the fall due to evaporation only. Probab
and in that time the water would be lowe
inches by evaporation.

pinion that it will not be advisable to
or necessary to bring to maturity the
may be estimated at about 500,000
rtance.

fallen to a very low level, so that all
pumped up, and at most the difficulty
all further lowering of the water level
will entail.

of 1 cubic yard an acre an hour named
nd the undersigned is of opinion that it
educe the supply below the minimum
n crops are in the ear they manifestly
ith good grain.

ds an acre an hour provided the tank
1 foot in 50 days, and that is less than
15 days will suffice to mature the crop,
thereby about 3 inches, and about 3½

Proceedings of the Madras G
23rd Janua

5. No commensurate gain would the irrigation sluices. The undersigned Engineer be instructed to a precaution to prevent waste, but not that the Collector should be asked to may be closed without serious injury Engineer accordingly.

6. Other points have occurred that would result from cutting off the difficulties in the way of obtaining rel in this direction would be immaterial.

FORT ST. GEORGE,
18th January 1877.

No. 426.

ORDER THEREON

IRRIGATION, No. 45-A.

must be strictly limited to the quantit the supply injuriously.

2. The Collector will be request waste from the village channels, an Engineer as to the earliest date of without serious injury to the outturn

3. No water for second crop is t

(Tr

ment, Public Works Department.
877. No. 219.

It to the Municipality from the closure of uld recommend therefore that the Superin- ie to supply the irrigation, using every ing the crop; and it may be advisable also in the earliest date at which the sluices crop, and to inform the Superintending

undersigned, e.g., the difference in outturn a few days earlier or later, but there are ata, and the effect of any possible saving

JOHN MULLINS, Lt.-Col., R.E.,
Chief Engineer for Irrigation.

January 1877, No. 219.

The standing crop under the tank cannot be sacrificed, but the issues of water necessary to bring it to maturity ally required, without however stinting

o all that may be practicable to prevent ascertain and inform the Superintending h the irrigation sluices can be closed prop. sued.

(tract.)

Major-General, R.E.,
Secretary to Government.

To the Superintending Engineer, Chingleput.
" Chief Engineer for Irrigation.
" Revenue Department.
" Collector of Chingleput.
" Financial Department.

Exd. S. T. Austin.
Spare Copies

Important
on original
draft

Just may
release

Illustrate Mr. Ellis assumes to have based the order as originally drafted but the following draft will be better

The ~~standing~~ standing crop under the tank cannot be sacrificed, but the issue of water necessary to bring it to maturity ~~shall~~ must be strictly limited to the quantity actually required, without ~~however~~ ^{injury} stinting the supply injuriously.

2. The collector will be requested to do all that may be practicable to prevent waste from the village channels, and to ascertain from the S.E. as to the earliest date ~~at~~ on which the irrigation sluices can be closed without ^{serious} ~~injury~~ ^{injury} to the outturn of the crop.

3. No water for second crop is to be issued.

by 20/1/76

To S.E. in manuscript
" Chief Eng. for I.
" Rev. Dep.
" Collector of Chingleput.
" Dept. under which Municipality is.

PROCEEDINGS of the MADRAS GOVERNMENT.

Under date the

Read the following:-

From the Inspector Chargeput H.E. No 3449 5 June

received from
to the Inspector
by 29/6

M

The standing crop under
the tank cannot be
sacrificed but the issues
of water necessary to
bring it to maturity
must be strictly limited
to what is absolutely required.
The attention of the collector
will be called to the
matter with a view
to the prevention of waste
from the village channels
and the instructions
of

of the Superintending Engineer, Chingleput, to the Range officer should limit the opening of the sluices for irrigation to certain days of the week as well as a minimum rate of supply.

All supply for second crop irrigation must be absolutely forbidden.

[Faint handwritten notes, possibly a draft or continuation of the letter.]

511
294
[Signature]

219-23-1-77

[Faint handwritten notes, possibly a draft or continuation of the letter.]

S. S. Chingleput
Chief Eng. for Engr.
Collector of Chingleput.
Revenue Dept.

Recd (9-17)
Ed. Cir 13-1-77. *[Signature]*

[Handwritten mark]

No. 3410

CHINGLEPUT SUPERINTENDING ENGINEER'S OFFICE,
SAINT THOMAS' MOUNT, 5th June 1877

FROM

THE SUPERINTENDING ENGINEER,
Chingleput.

TO

The Chief Engineer
for Irrigation.

SIR,

[Handwritten notes: Requisition for...]

I have the honor to submit for the consideration of Government a requisition from the President Madras Municipal Commission calling on me to close the sluices of the Red Hill tank.

2. The cultivation under this tank was begun as usual in the early season before we had any reason to expect so utter a failure of rain as we have experienced.

3. The Range Officer was instructed to keep his issues down as much as possible and only 1078 acres have been put under cultivation. so much is however doing well.

4. I have again desired the Range

1875-76
officer to be very careful in not
allowing any excess to be issued and
we can probably manage with only
1 yard per hour per acre for the time
required for the crop to ripen.

5. The tank is by the last return
at 31.31" above M. S. L. at which
depth there are $20\frac{1}{2}$ millions cubic
yards of water on an area of 9813000 square
yards. 56524 cubic yards per day will
lower the tank .006 (ft)

6. The total average loss by
evaporation absorption and issue
reduces the depth .02" each day.

I have the honor to be
Sir

Your most obedient servant

H. H. H. Colonel R. B.
Superintendent Bangalore

3025-4-76 165
 .. 10-5-76 .. 66.



W.C.T.

P.W.D.
 12 JAN 77
 NR 294

Red Hill Tank -
 submitted for consid-
 -eration the request
 of the Madras Munic-
 -ipal President for
 closing the sluice of

of from,
 The Chief Engineer
 for Irrigation
 Dated 5th January 1877
 No 3470

N. 25.

Ar 13-1-77.

Jo 6.3

Memorandum
 The Chief Engineer for Irrigation
 is of opinion that it will not be advisable
 to withhold at this period of the season
 the water necessary to bring to maturity
 the crops under the Red Hills tank. The
 crop may be estimated at about 5000 ac.
 Madras does and this much food is
 of importance.
 In the next place the South Sea
 already fallen to a very low level, so
 that all the supply afforded to
 Madras town must be pumped up.
 and at most the difficulty will be
 but slightly aggravated by the very
 small further lowering of the water
 level which completing the irrigation
 of the crop will entail.
 It is doubtful whether the
 allowance of 1 cubic yard an acre

an hour named by the Superintending Engineer will suffice. ~~and~~ the undersigned is of opinion that it will not, and it will not be wise economy to reduce the supply below the minimum necessary to provide for the crops failing. When crops are in the ear they manifestly require to be well nourished to fill the ears with good grain.

4. Were a full supply of 2 cubic yards an acre, an hour provided the tank surface would be lowered thereby less than 1 foot in 50 days, and that is less than the fall due to evaporation only. Probably 15 days will suffice to mature the crop and in that time the water would be lowered thereby about 3 inches and about 3 inches by evaporation.

5. No commensurate gain would

11-15-11

7. 4
result to the Municipality from the closure of the irrigation sluices. The undersigned would recommend therefore that the Superintending Engineer be instructed to continue to supply the irrigation, using every precaution to prevent waste but not stinting the crop, and it may be advisable also that the collector should be asked to ascertain the earliest date at which the sluices may be closed without serious injury to the crop, and to inform the Superintending Engineer accordingly. Other points have occurred to the undersigned e.g. the difference in pattern that would result from cutting off the supply a few days earlier or later, but there are difficulties in the way of obtaining reliable data, and the effect of any possible saving in this direction would be

immaterial

1877

Chief Clerk of the Court

Recd. 18 Feb. 1877

1877

to the U.S. Circuit Court
at New York

Immaterial. I am
The Secretary to Government
Public Works Dept.
18th June 1877
The Secretary to Government
Public Works Dept.
18th June 1877

1877

1877

1877.

From Hon. Secy. to Govt.
The Chief Engr. for S. E.

P.W.D.

19 JAN 77

No. 511

Rescindate with the
Mems. of the
S. E. Engr.

Dated 18 } Jan. 1877.
Desp. 19 }

No. 53-41

It is

Crops under the Red Hills Tank
— Memo stating that water
cannot now be withheld from
the — and recommending
that the S. E. Chingleput
be instructed to continue to
supply the irrigation, using
precaution to prevent
waste.

I think the
Mulliney's
sufficient reason
for continuing the
supply of water to
the tanks.

ML

No. 257.

6
Public Works Department.
No 219.
PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the 23 Jan 77
Read the following

From
The Supt. Engr. Chingleput (P.W.D. No. 3410 of 25 Jan 77)
" Chief Engineer for S. E. (No. 53-41-18 do.)

The standing crops
under the tank cannot
be sacrificed, but the
issue of water neces-
sary to bring it to
maturity must be
strictly limited to the
quantity actually required,
without however stinting
the supply injuriously.
The Collector will
be requested to do all
that may be practicable

to

to prevent waste from
the village channels,
and to ascertain and
inform the Superin-
tending Engineer as
to the earliest date
on which the irrigation
sluices can be closed
without serious injury
to the out turn of the
crop.

3. No water for second
crop is to be issued.

Wm. H. [unclear]

To
Supereng. Chingleput
Ch. Engr for District
Rev. District
Collector of Chingleput
Financial Dept
SC 100/10-31-1-77
and Copy Dated 24-1-77

Handwritten notes in top left corner.

51/294

Govt. of 1877 Madras.

PUBLIC WORKS.

To

The P.B. [unclear] put

Dated

Issued

Recd.

Encl.

G. O. 23rd Dec 1877. No. 247

Nos.

*Cultivation similar to
Red Hills San R. Chin
- Akut. Encl -*

*Instructions issued with
reference to the supply of
water for the*

Cont. in Reg.