

- (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.	1721	Press
B.P. No.		Mis.
Dated	25-6	0874 195

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
25th June 1874.*

No. 56. Read the following endorsement of the Chief Engineer for Irrigation, dated Ootacamund, 25th May 1874 :—

From Colonel F. J. MOBERLY, R.E., District Engineer, Chingleput, to Lieutenant-Colonel J. MULLINS, R.E., Chief Engineer for Irrigation, dated Guindy, 20th May 1874, No. 554.

I HAVE the honour to report the occurrence of a cyclone on the 5th and 6th instant, which appears to have resembled that of May 1872 in its course, duration, etc.

2. Its principal force, as far as this district was concerned, was felt in Madranticum Taluq. Under 10 inches of rain fell in Madras, whereas in Madranticum Taluq Cutcherry 18.2 inches was gauged in 48 hours (17.2 in 24), and this is probably (almost certainly) under the mark, as the gauge is in a courtyard 1,755 feet square, and trees beyond would protect it in some further degree.

3. The water in the large tank was full 8 feet below the crest of calingulah on the 4th, on the 7th it was running 6 feet deep over it. The channels at either end having no sluices carried water unchecked, and have damaged Mambaukam tank and the northern channel. Mr. Lowry has been called on repeatedly to forward the plans showing how Mr. Leggat's project failed; this, I regret to say, he has not yet done, but I believe that I have now seen all the points, and have given him instructions how to remedy the shortcomings, and hope to get the estimates shortly.

4. Other tanks in the taluq have been breached, many from the excess of water in Zemindary tanks, the owners of which have repaired their banks without providing more ample means of discharge, regarding this matter I shall place myself in communication with the Collector; but unfortunately we are also behind-hand in this, and, though prepared for a heavy monsoon, had not contemplated a second cyclone, in which the high wind aids the water so largely in doing damage.

5. Reports in detail have not reached me yet, but the injury is very much less among the tanks than in 1872.

6. To the north and west of Madras the tanks have not been filled.

7. The Cortiliar brought down a small fresh which has thrown a little water into Cholaveram tank; the Cooum also came down suddenly; a small opening had been left in the ring-bund for the passage of water to Chembrumbaukam tank, the crops under which were in great jeopardy from drought, the Collector had commenced an examination into claims for remission to the amount of Rupees 10,000, and there was only 9 inches of water on the sluice floor.

8. The unexpected flood destroyed the ring-bund and carried away the head wall connecting the sluices and anicut, which must, I think, have been shaken to have gone so suddenly.

9. I have desired the Range Officer to commence the new one in front of the old one to avoid the debris of wells, etc.; the estimate can, I presume, be sanctioned as a repair.

10. The new work at Kasavaram has cracked in three places, but apparently of no importance. They are all near the top of the wall.

*Proceedings of the Madras Government, Public Works Department,
25th June 1874.*

SUBMITTED for the information of Government.

2. Information will be called for from the District Engineer as to what has been done to render the tanks which breached into the Madranticum tank in 1872 more secure. This great tank was then in imminent danger.

(Signed) JOHN MULLINS, Lieut. Colonel, R.E.,
Chief Engineer for Irrigation.

No. 565. ORDER THEREON, 25th June 1874, No. 1,721.

IRRIGATION, No. 47.

ORDERED to be recorded.

2. The District Engineer should inform the Collector in what position the rain gauge at the Madranticum Taluq Catcherry should be placed, so as to ensure its affording a correct measure of the rainfall at that station.

3. It appears that at the end of April 1873 the Chief Engineer for Irrigation inspected the Madranticum tank, and it was brought to his notice that certain works carried out for the purpose of supplying other tanks from the Madranticum tank had from some cause not produced the intended results; the District Engineer now reports that Mr. Lowry has been called on repeatedly to show why Mr. Leggett's project had failed, but that as yet he has not done so. This question should be determined with as little delay as possible, and it may be noticed that the Range Officer should have carefully gone into the matter, and reported what would be necessary to make the outlay already incurred of value, directly he found that the channels from the two ends of the tank were not being used to supply the tanks below.

4. The District Engineer should not only inform the Collector what Zemindary or other proprietary tanks are in need of waste weirs, but he should ascertain what lengths of weirs are required to make such tanks safe, and notice also what other work these tanks require. It will but seldom happen that the proprietors will be able to determine for themselves the conditions of safety, and it will be much easier for the Collector to induce them to pay proper attention to these works if what is necessary to be done be clearly specified.

(True Extract.)

Lieut. Colonel, R.E.,

Joint Secretary to Government.

To the District Engineer, Chingleput.
" Chief Engineer for Irrigation.
" Revenue Department.

Ed. S. T. Austin.

Spare Copies

No. 554.

Chingleput Dist. Engg. Office,
Chingleput 20th May 1874

From,

The District Engineer

Chingleput

To,

The Chief Engineer

for Irrigation

Sir,

I have the honor to report the occurrence of a cyclone on the 5th & 6th inst., which appears to have resembled that of May 1872 in its course, duration &c.

Its principal force, as far as this District was concerned, was felt in Madranticum Taluq. Under 10 inches of rain fell in Madras, whereas in Madranticum Taluq Catcherry 18.2 inches was gauged in 48 hours (17.2 in 24) and this is probably (almost certainly) under the mark, as the gauge is in a court yard 1755 feet square and trees beyond would protect it in some further degree.

The water in the large tank was full 8 feet below the crest of Calingula on the 4th - on the 7th it was running 6 feet deep over it. The channels at either end, having no sluices, carried water unchecked and have damaged Mambrukam tank and the Northern channel. Mr. Lowry has been called on repeatedly to forward the plans

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yet done, but I believe but I have now
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and hope to get the estimates shortly.

Other tanks in the taluk
have been breached, many from the
escape of water in primary tank,
the owners of which have repaired
their banks without providing more
ample means of discharge - regarding
this matter I shall place myself in
communication with the Collector, but
unfortunately we are also deficient
in this, and though prepared for a heavy
rainfall had not contemplated a second
cyclone, in which the high wind aids the
water in doing damage.

Reports in detail have
not reached me yet but the injury is
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in 1872.

To the North and West of
Madras the tanks have not been filled.

The Cartalar brought down
a small fresh which has thrown a little
water into Cholaneram tank. The Kuam
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also came down suddenly. a small opening
had been left in the ring band for the passage
of water to Chemburam tank, the
crops under which were in great jeopardy
from drought. The Collector had commenced
an examination into claims for remission
to the amount of Rs. 10,000 and there was only
9 inches of water on the sluice floor.

The unexpected flood destroyed
the ring band and carried away the head
wall connecting the sluices and anicut,
which must I think have been shaken,
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I have desired the Range
Officer to commence the new one in front
of the old one, to avoid the debris of wells.
As the estimate now I presume he sanc-
tioned as a repair.

The new work at Kasaravaram
has cracked in 3 places but apparently
of no importance. They are all near the
top of the wall.

I have the honor to be
Sir

Your most obedient
J. H. B. Esq. Col. R. E.
District Engr. Ching.

I am inclined
to think that General
should issue a general
order to the District
Engineers that
they are responsible
for seeing that fundani
tanks - whose bracks
may endanger the
stability of any fundani
tank, or cause damage
to railways, roads or
other public property -
are in a safe state
as respects sufficient
escape ~~ways~~, a dequate
repairs & the like.

The tanks should
be

P. M. 1874
No. 3545

From

The Chief Engt.

for investigation

Jul 28th May 1874
Pd 13 June -

Alb. J. 21. 25-5-74

Alb. J. 21. 25-5-74

a letter from the
District Engineer
relating to the
tanks on the
roadway
by the power
of the
stocking

Col. M. 961
The District Engineer
Chungking

to the Chief Engineer
for investigation

Col. M. 961
May 1874

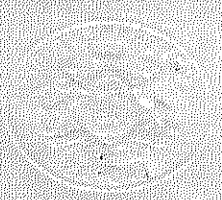
Alb. J. 21. 25-5-74

Refers to the occurrence
of a cyclone on the 5th
and to the instructions
the Chief Engineer
and its principal
part of the
concerning

Ch. M.

be carefully examined
and the measures
needed to secure them
decided on & estimates
for by the D.V.D. established
The result should be
communicated through
the Office to the respective
proprietors - who should
be invited to carry out
the requisite precautionary
measures if necessary
on loan to be applied
for and without of the
responsibility attaching
to neglect.

The work should be
taken up regularly
& systematically in
each District & must
even allow District
Establishment to be
temporarily entertained
for the purpose. And
to require a report to



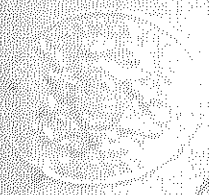
from each set
be submitted before the close
of the calendar year in order to
ensure compliance
S/O M.R.

There are books
on this subject
(which can be
consulted 3 or 4 years before
applied in the office.
(S.M. & Res. Oct 1/6)

Yes. The proposals
to make such works
compulsory on
Learners, which
never previously
it appears would
now be fully to done -
S/O

These books better
be collected &
circulated before
any general order
is issued. As that
begin later. We can
not wait a year?
Book can work in
safe conditions for

3598



17th

Public Works Department

Proceedings of the Madras Council

Read the following:-

From

The District Engineer
Chingleput

(N. E. No. 354 of 20th Aug 1873)

through

The District Engineer for the District

Ordered to be recorded.

2. The District Engineer should inform the Collector in what position the rain gauge at the Indraticum Salub Cutcherry should be placed, so as to ensure its affording a correct measure of the rainfall at that station.

3. It appears that at the end of April 1873 the Chief Engineer for Irrigation

Md
8/6.

pr

irrigation inspected the
Madraunticum Tank, and it
was brought to his notice
that certain works carried
out for the purpose of
supplying other tanks
from the Madraunticum
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intended results. The
District Engineer now
reports that Mr. Lowry
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Directly he found that
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to supply the tanks
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for the collector to induce
them to pay proper
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if what is necessary to
be done be clearly
specified.

W. W.
4/6/76

564-575

To the D. C. Whipple
" Chief Eng. for Service
" Revenue Dept.
1 Copy despatched to all 7/7/76.

in 4/6/76 Rb 14/6/76

3595



Govt. of 1874 Madras.
PUBLIC WORKS.

The Dist. Engr.
Chingleput.

Date

Recd.

Encl.

a. 0.25 June 1874, No. 1721

Nos.

574-565

Damage to tanks - Chingleput

By Endorsement of the
Chief Engineer for irrigation
submitting a letter from the
Dist Engr Chingleput reporting
damages to tanks &c in
the Madhavaram Taluk
by the rains of the 5th & 6th
May last, & enclosing
the observations.