

- (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.	3402—9	Press
B.P. No.		Mis.
Dated	4-12-74	1955

Not to be folded or roughly handled

No. 66. Read the following endorsement of the Chief Engineer for Irrigation, dated Pauvur, 9th November 1874, No. 912:—

From Major J. O. HASTED, R.E., Officiating Superintending Engineer, 1st Division, Kistna, to Lieutenant-Colonel J. MULLINS, R.E., Chief Engineer for Irrigation, dated Masulipatam, 23rd October 1874, No. 89.

IN continuation of my letter, No. 70, dated 3rd instant, I have the honor to report that I have examined most of the works which have suffered from the late flood in the Western Delta. The Nizampatam canal above Yintoor Lock was not damaged, but from Yintoor to the tidal lock it has breached in many places through both banks, the river water having backed up across the canal. No masonry works on the canal are injured.

2. The good water channel to Nizampatam has been destroyed, three of the aqueducts having been carried away.

3. The Western Bank channel has, of course, suffered most; above Vallabhapuram there are thirty breaches in the left bank and five large ones on the right bank. Near Muningy the river having a set on to the bank washed away the river lunka and embankment and made a wide gap into the canal, and, as the water fell in the river, the bed of the canal was eroded, and has been lowered probably three yards; this is the worst place, and it will be necessary to carry the canal further inland. From here to Kollur several breaches have occurred, some of them large ones. From Kollur to Vellatur only three or four are reported. Below Vellatur the breaches were very numerous, but are not very large; all these were ring bunded before I visited the delta.

4. The Iskapally channel has breached badly, the bunds having been carried away altogether where it crosses the salt creek. There will be some trouble in getting water across for the crop now on the ground.

5. The breaches in minor channels are, of course, numerous; the whole country from the bank channel to the Nizampatam canal, and even past this canal in places, having been under water, but every attention has been paid to opening channels again for irrigation and the villagers being interested in this work; there will be no difficulty.

6. This completes the list of damage done as far as I have learned. No masonry works, except those on the good water channel to Nizampatam, have suffered, and no buildings, except the Repally rest-house, which being of brick-in-mud subsided. The Commamore channel did not suffer from this flood at all, as the water that was let into it was discharged by the Jagerlamudy escape, the Guntur nullah being dry at the time. By heavy floods a little earlier however down the Nallamadda and other drainages below, the channel has been breached in several places, and the repairs will probably cost over 2,000 Rupees.

7. Rough estimates of the cost of closing breaches in both deltas have been made. The amount for Eastern Delta is 20,000 Rupees and for Western Delta 15,000 Rupees, the cost of reforming the river bank in both deltas and in Divi I have not yet been able to estimate, but it will no doubt be very heavy.

Proceedings of the Madras Government, Public Works Department,
4th December 1874.

8. The wet cultivation I believe will have suffered comparatively little, and it is reported that in Divi half the crop is expected to be saved. The weather since the flood has been showery, and the north-east monsoon has set in, so that the want of water while the canals were closed was not felt. With the exception of the Western Bank channel, all navigable canals have been re-opened to traffic.

SUBMITTED for the information of Government in continuation of former reports.

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

No. 67. ORDER THEREON, 4th December 1874, No. 3,402.

IRRIGATION, No. 7.

THE Government are gratified to learn that the measures taken to repair the canals and irrigation channels in the

Western Delta, Kistna, have secured a supply of water to the crops in time to prevent their suffering from want of it.

Colonel, R.E.,

Secretary to Government.

To the Superintending Engineer, Kistna.
,, Chief Engineer for Irrigation.

N^o 89.

Superintending Engineer
Office 1st Division Kistna
Masulipatam 23 Oct 74.

From

Major J. O. Hastide R.E.

Offg. Capt Eng 1st Div Kistna

To

Lieut. Col. J. Mullins R.E.

Chief Engineer for Irrigation

Sir

In continuation of my letter N^o 70 dated 3rd instant I have the honor to report that I have examined most of the works which have suffered from the late floods in the Western Delta. The Masulipatam Canal above Yintoor lock was not damaged but from Yintoor to the Tidal lock it has breached in many places through both banks. The river water, having backed up across the Canal, no masonry works on the Canal are injured. The

2. The good water channel to
Nizampatam has been destroyed,
3 of the aqueducts having ^{beams}
carried away.

3. The Western Bank channel
has of course suffered most,
above Vallabhapuram there
are 30 breaches in the left
bank and 5 large ones on the
right bank. Near Munungy
the river having a ^{cut} on to
the bank washed away the
river bank and ^{substantially}
and made a wide gap into
the Canal and as the water
fell in the river, the bed
of the Canal was eroded, and
has been lowered probably
3 yards, this is the worst place,
and it will be necessary
to carry the Canal farther inland.
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breaches have occurred, some of
them large ones. From Kollar ^{to}

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Below Vallatur the breaches were
very numerous, but are not very
large, all these were ring-banded
before I visited the Delta.

4. The Ekapally channel has
breached badly, the bunds
having ^{been} carried away altogether
where it crosses the salt creek.
There will be some trouble
in getting water across for the
crop now on the ground.

5. The breaches in minor
channels are of course numerous
the whole country from the
bank channel to the Nizampa-
tam Canal and even past
this Canal in places having
been under water, but every
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Irrigation, the villagers
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damage

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7 Rough estimates of the cost of closing breaches in both Deltas have been made. The amount for Eastern Delta is 20,000 Rs. and for Western Delta 15,000 Rs. the cost of ^{forming} ~~reforming~~ the river bank in both Deltas and in Divi I have

have not yet been able to estimate but it will no doubt be very heavy.

8 The wet cultivation I believe will have suffered comparatively little, and it is reported that in Divi half the crop is expected to be saved. The weather since the flood has been showery and the S. E. monsoon has set in, so that the want of water while the canals were closed was not felt. With the exception of the Western Bank channel, all navigable canals have been reopened to traffic.

I have the honor to be
Sir,

Your most obedient servt.

Yr. attd. Major P. E.

Offg. Supr. Engr. 1st Div.
Krishna.

11289
112037

The duty Engineers
Practice

To the Superintendent
of the Institution

2022-2300-1700
 2022-2300-1700

Sept. 21/48
Reports on the
damage done to

the Augustan were
in the same order
of the same, which

by the direct extra-ordinary predilection in the *Acrotata* river.

1970/10/10

No 912.

Encls. 1
Submitted for the information
of Government in continuation of
former reports.

Pacific }
Nov 7/11 }

Whitcomb's Heart Co. R.L.

Chief Eng^r for Navigation

The Secretary to Government
P. W. D.

Public Works Department
 Proceedings of the Madras Government
 Read the following

From The Chief Engineer for
 Irrigation H.E. No. 912 of 9th Novr/74
 3402

The Government are gratified
 to learn that the measures taken
 to repair the Canals and irriga-
 tion channels in the Western
 Delta, Kistna, have secured a
 supply of water to the crops in
 time to prevent their suffering
 from want of it.

10/11/74

[Signature]

[Signature]

S. S. Krishna
 Chief Engineer for Irrigation
 Despatched to Govt 5/12/74

P. W. Dept.
 No. 7194
 From The Chief Engineer for
 Irrigation

The Secy to Govt
 P. W. D.

D. 9th Novr 74
 R. 16th — H.E. No. 912
 Encls: one.

Submits for informa-
 tion report from the
 peninsular Chief Engineer
 regarding damage done
 to irrigation works in
 the Western Delta by
 the recent heavy floods.
 G.O. No. 3402.4-12-74.

Atk

10/11/74
 Despatched to Govt 17-11-74

Ordinary practice in
 the Western Delta
 is to repair the
 canals and
 irrigation
 channels
 in the
 Western
 Delta
 in the
 month
 of
 Novr
 1874

7194 ✓

Govt. of 1874 Madras.
PUBLIC WORKS.

²⁰
The Supply Mgr.
Mishner

Dated

Recd.

Encl. /

G. O. 2nd Dec 1874, No. 3402

Nos. 66-67.

Canals and Irrigation
Channels in the Western
Deccan - Kolhapur - &

Expressing satisfaction
at the measures taken to
repair the ——— to secure
a supply of water to the
crops in time to prevent
their suffering from want of it