

(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. 2754	Press Mis.
300-01	
Dated 16	11 1870.

Not to be folded or roughly handled

No. 300. Read the following letter from the Superintending Engineer, 4th Division, to the Secretary to Government, Public Works Department, dated Madras, 27th October 1870, No. 3,078:—

I HAVE the honour to report, for the information of Government, the following injuries caused by the heavy rains during the last few days. Detailed reports of each work, when of sufficient importance, will be sent in to Government in due course as received from the Range officer.

2. Red Hills Water Works.—The Executive Engineer reports that owing to the water in the river rising to an unprecedented height, the anicut and head sluice of the head works over the Cortilliar had been much injured, and that he was obliged to breach the channel to prevent too much water coming down in the Cholaveram reservoir. A portion, 200 feet in length, of the rear of the Cholaveram bund had slipped, and was supposed to be in a dangerous condition. I went out on Monday morning with Major Mullins to visit the works in question, and I have no doubt that Major Mullins has already reported to Government the state of the case. The slip in the Cholaveram bund did not appear to me so very serious, as the front revetment has not in the least moved, showing that it was not from water soaking below the bund that this had happened, but other causes. I should think rather from the failure of the ground below the new work to bear the great weight of new bund now saturated with water. This I am more inclined to think as the water has remained at the same height in the tank for the last fortnight.

3. A detailed account of the damages to the head works will be submitted when the water has so far subsided to ascertain exactly the extent.

4. Millicoopum High Level Reservoir near Vellore.—This work was only finished last year at a cost of Rupees 6,320, sanctioned 2nd December 1868. The failure was in the newly built part of the bund, the water being 41 feet at time of breach. Detailed report will be submitted.

5. Two large breaches in the Kambakal channel from the Palar anicut, but this will not be so much felt as the tanks which it supplies are nearly all reported as full. These breaches would not have happened if the head sluice had been partially closed.

6. The Wallajah Range Officer reports very heavy floods in the Poinery, 4½ feet over the anicut. The anicut is uninjured, but some of the rough stone below apron has been carried away. The channels have not been breached except a few small ones in the Govinchary branch channel. The large Cauverypauk, Mahindrarady, and Sholinghur tanks are all quite full.

7. The Govindavady upper tank has breached in No. 3. Range, and has discharged itself into the lower tank of the same name, but there are no apprehensions for this tank; but the Overseer has been sent to take every precaution, as this tank is just above the Carnatic Railway. These tanks are supplied from the Palar, and the head sluice has been closed. In the Chingleput District the following tanks are breached:—

Kurmantangal tank in four places.

Kolattoor tangal.

Alagasamoodrum tank.

Wollaloor river channel.

Proceedings of the Madras Government, Public Works Department,
16th November 1870.

Orders have been sent to use every endeavour to close the breaches in order to save, if possible, the crops and a supply of water.

8. One of the outer bastions near Clive's Battery, opposite the Railway Station, has been reported as fallen down, but I have not yet had an opportunity to visit it, but a report will be sent.

9. A new bridge of three vents on the 20th mile on the Great Western Trunk Road has been carried bodily away. This was built on altering the alignment of the Trunk Road in connection with the Chembrambaukum tank project. A detailed report of the causes will be sent as soon as received from the Range Officer.

No. 301.

ORDER THEREON, 16th November 1870, No. 2,751.

IRRIGATION, No. 20.

THE Government will await the further reports promised by the Acting Superintending Engineer.

(True Extract.)

(Signed) J. MULLINS, Major, R.E.,
Joint Secretary to Government.

N^o 3078.

Superintending Eng^{rs} Office
4th Division Madras
27th October 1870

From

Colonel C. V. Milneson R.E.
Superintending Engineer 4th Division

To Colonel C. A. Orr R.E.
Secretary to Government P.W.D.

Sir,

I have the honor to report for the information of Government the following injuries caused by the heavy rains during the last few days. Detailed reports of each work when of sufficient importance will be sent into Government in due course as received from the Range Officer.

2. Red Hills Water Works. The Executive Engineer reports that owing to the water in the river rising to a unprecedented height the ancient and head sluice of the head works over the Cortillon had been much injured and that he was obliged to breach the channel to prevent too much water coming down in the Chola veram reservoir. a portion 200 feet in length of

of the rear of the Cholameru bund had slipped and was supposed to be in a dangerous condition. I went out on Monday morning with Major Mullins to visit the works in question and I have no doubt that Major Mullins has already reported to Government the state of the case. The slip in the Cholameru Bund did not appear to me so very serious as the front settlement has not in the least moved, showing that it was not from water soaking below the bund that this had happened but other causes. I should think rather from the failure of the ground below the new work to bear the great weight of new bund now saturated with water. This I am more inclined to think as the water has remained at the same height in the Tank for the last fortnight.

3. A detailed account of the damages to the head works will be submitted when the water has so far subsided to ascertain exactly the extent.

4. Microsum High Level Reservoir near Yellow. This work was only finished last year at a cost of Rupees 6320 sanctioned 2^d December 1868. The failure was in the newly built part of the bund the water being 41 feet at time of breach. Detailed report will be submitted.

Two

5. Two large breaches in the Kumbha: Kal Channel from the Palar Annicut, but this will not be so much felt as the Tanks which it supplies are nearly all reported as full. These breaches would not have happened if the Head Sluice had been ^{partially} closed.

6. The Wallajah Range Officer reports very heavy floods in the Pomey $4\frac{1}{2}$ feet over the Annicut. The Annicut is ^{uninjured} but some of the rough stone below apron has been carried away. The Channels have not been breached except a few small ones in the Gornichang branch Channel. The large Caverypank, Mahindravady and Sholinghur Tanks are all quite full.

into

7. The Gornidavady Upper Tank has breached in No. 3 range and has discharged itself ^{into} the lower Tank of the same name but there are no apprehensions for this tank, but the Overseer has been sent to take every precaution, as this Tank is just above the Carnatic railway. These tanks are supplied from the Palar and the Head Sluice has been closed. In the Chingleput District the following Tanks are breached.

Kurmantangar

Kurmantangal Tank in 4 places.
 Kolattom Tank.
 Plagasamoodum Tank.
 Wollaloor River Channel.

Orders have been sent to use every endeavour to close the breaches in order to save if possible the crops and a supply of water.

n.d. One of the outer bastions ^{near Clives Battery} ~~of the~~ ^{opposite the railway station} ~~Fort St George~~ has been reported as fallen down but I have not yet had an opportunity to visit it but a report will be sent.

c.g. A new bridge of 3 Vents on the 20th Mile on the Great Western Trunk Road has been carried bodily away. This was built on altering the alignment of the Trunk road, in connection with the Chembrumbankum Tank project.

a detailed report of the causes will be sent as soon as received from the Range Officer.

I have the honor to be
 Sir
 Your Most Obedient Servant.
 Wm. Wilson Col R E
 Superint^d 4th Division

Per 22 December 1868 17th 4th 1871

10th 1870 Sept

11th 1870 13th 1870

The Chief Engineer

4th Division

To the Secretary to Government 1870

dated 27th 1870
 Recd 28th 1870

N^o 3078.

Reporting the injuries caused by the heavy rains during the last few days to some of the works in the 4th Division

N^o 2754-16th Nov 1870

With an order

N^o 2754-57
 The Govt will await the further reports promised by the Acting Supt Engineer.

Fort St George
 11th Nov 1870

To S. Ruge & Co
 Chief for Irrigation

Wm

Recd 18/11/70.

31/10 11/11/70 Wm

to W. H. 10 Dec 84

C/24310
Govt. of 1870 Madras.

PUBLIC WORKS.

To the Superintending Engineer
H. Division

Dated

Recd.

Encl.

G. O. No. 1100 1870, No. 2754

Nos. 370 & 361

Works. The further reports
promised by the Super
the extensive damages
caused because works
in the due by heavy
rains, invited.