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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Revenue DEPARTMENT

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GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

18th December 1878, No. 1,030 I.

Irrigation.

Read the following paper :—

No. 52. Endorsement of the Acting Chief Engineer for Irrigation, dated Fort St. George, 12th December 1878, No. 363 I.

From G. T. WALCH, Esq., Acting District Engineer, Godavari District, to the Chief Engineer for Irrigation, dated Dowlaishyaram, 3rd December 1878, No. 2,887.

In continuation of my letter, No. 2,673, of the 15th instant, I have the honor to forward, herewith, copy of another report

received from the Executive Engineer in charge of the Eastern Delta Division on the damages to works in that division caused by the cyclone of the 5th ultimo.

2. Since receiving the above report intimation has been received of the closure of the breaches in the Samulcottah Canal having been so far completed as to admit of water being let into that canal in a day or two.

3. The Cocanada Canal was reopened for navigation on 18th ultimo.

From G. D. WYBROW, Esq., Executive Engineer in charge Eastern Delta Division, Godavari, to the District Engineer, Godavari District, dated Dowlaishyaram, 26th November 1878, No. 560.

COCANADA CANAL.—In continuation of my letter, No. 532, dated 12th November 1878, I have the honor to inform you that in the storm of the 5th instant 22 breaches occurred in the Cocanada Canal between the 12th mile and the Kovur lock. Many of these breaches were trifling and have all been closed at an approximate cost of Rupees 200.

2. SAMULCOTTAH CANAL.—In this canal no less than 94 breaches occurred. Of these 62 have been closed and the remainder in progress. A large breach $144 \times 8 \times 2$ yards near the Biccavole is progressing very slowly, but is being carefully done and will be completed I trust by the 28th instant, by which time all the remaining breaches will also be closed.

Many of the masonry works underwent a very severe strain, being left standing with embankments on both sides swept away. Only one work, No. 4 sluice, appears to have suffered, one of the wings having cracked.

3. SAMULCOTTAH ROAD.—Forty-one breaches occurred in this road, but which have been included in the 94, Samulcottah Canal. The roadway has been injured in many places, the surface having been swept away entirely in many places. A detailed report will follow shortly.

4. BUILDINGS AT COCANADA.—Four doors of the 100 feet Sea Customs godown were shattered, and four windows and one door in the 75 feet Sea Customs godown. I have to regret that there should have been so much delay in reporting these breaches to you, but it appears that Mr. Burton did not think it necessary to report them although more than two reminders were sent him.

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SUBMITTED for the information of Government in continuation of this office No. 349 I, dated 26th November 1878.

2. The damage done to the canals in the Eastern Delta, Godavari, has apparently been caused by the breaching of many of the tanks in the Peddapur Taluk, which lies above the Samulcottah Canal. The cyclone of the 5th ultimo is said to have been a very heavy one, and when the full force of the wind, in one of these storms, sets directly on the face of a tank bund after the tank has filled, however strong the bund may be, there is always a great probability of its breaching. When the work of grouping the tanks, now in progress, is completed and the tanks are put in proper repair there will still be the prospect of the high level canal bunds being breached in a cyclone.

3. It would be impossible to make provision in the banks of the high level canal to carry off all the drainage in such a storm without injury to the canal. To keep the damage within bounds and to ensure the safety of the masonry works the best arrangement seems to be to keep the top of the banks at very little above ordinary flood levels, for a considerable length, at a safe distance from masonry works and to induce breaches in such a position that they can be repaired at a small cost.

(Signed) J. O. HASL D, Lt.-Col., R.E.,
Ag. Chief Engineer for Irrigation.

To the Joint Secretary to Government, Public Works Department, Irrigation Branch.

No. 53. ORDER THEREON, 18th December 1878, No. 1,030 I.

ORDERED to be recorded.

2. The Superintending Engineer will give attention to the remarks made by the Acting Chief Engineer for Irrigation.

(True Extract.)

J. O. Hasl

Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.,
Irrigation Branch.

To the Superintending Engineer, First Circle.
" Chief Engineer for Irrigation.
" Revenue Department.

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Exd. C. Howarth.
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