85

M.R.O. 1—77,000—3-6-37.

(1) Number of pages 8

(2) Date of repair 15-4-42

(3) Initials of the Referencer

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 85 Press ~~Mis.~~

16-1-62

Dated 30-1- 1862.

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department, 30th January 1862.

No. 167. Read the following Endorsement of Lieutenant-Colonel J. OUCHTERLONY, for Deputy Chief Engineer Southern Circle, dated Chepauk, 22nd January 1862, No. 9,669.

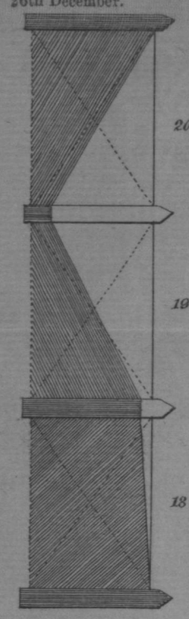
Read the following letter from Captain R. F. OAKES, District Engineer, to the Deputy Chief Engineer, Southern Circle, dated Lower Anicut, 15th January 1862, No. 265:—

SIR,

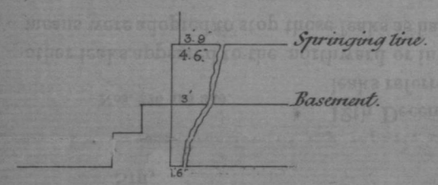
1. In continuation of my reports on the Lower Anicut on the 30th November and 12th December, I have the honor to inform you that after the leaks referred to in letter No. 226 had been stopped or nearly so, other leaks appeared to the northward or in front of the 19th arch from the north end; similar means were adopted to stop those leaks as had already proved successful.

Nos. 226 and 240.

26th December.



2. A small embankment was run across the bed of the river in front of the injured portion of the Bridge and Anicut to prevent further scour and to admit of some means being adopted to shore up and secure the arches on either side of those injured. The Bridge was thus deprived of the support afforded by the buoyancy of the water and on the morning of the 5th instant, a large portion of the pier common to the 19th and 20th arches sunk westward, carrying away with it the unshaded portions of the 19th and 20th arches and leaving only 3′ 9″ of the arch on the 19th pier standing. In falling the 19th arch dragged with it the cut water and about 2′ of the 18th pier on the west side and about 2′ of the 18th arch with the spandril and parapet. The 18th pier appears however to be entirely sound and the portion carried away was removed owing to the adhesion of the brick work and the fall of the parapet and face wall above it.



3. The piers which support the 21st or sluice arch do not appear to have settled more than they had done on the 30th November, and the foundation of the extremities of the piers would appear to be sound, the sinking or settling having taken place under the centre of the piers only.

4. The Anicut has, as might have been expected, been injured by the settlement of the piers, but the injury sustained is very trifling.

5. On the 10th the river rose, owing to local rains, to a height of about 4½′ and breached the front embankment before the injured portion of the Anicut. This is now being restored to enable Colonel Birdwood to examine the work, and an estimate will be prepared and submitted as soon as the full extent of the injury has been ascertained. In the meantime preparations are being made for materials for the re-construction of the Bridge and injured portions of the Dam.

Proceedings of the Madras Government, Public Works Department, 30th January 1862.

Submitted for the further* early information of Government. Colonel Birdwood, the Deputy Chief Engineer Southern Circle, is expected back from his visit of inspection on an early date, when a full report on the actual condition of the Anicut will be submitted to Government.

* Vide Endorsement, Nos. 8,343 and 8,715, dated 13th and 23rd December 1861.

(Signed) J. OUCHTERLONY, Lieut.-Colonel,
For Deputy Chief Engineer, Southern Circle.

No. 168. ORDER THEREON, 30th January 1862, No. 85.

The Government will await the report of the Deputy Chief Engineer, Southern Circle, on the condition of the Anicut.

(Signed) W. H. HORSLEY, Lieut.-Colonel,
Chief Engr. and Secy. to Govt., D.P.W.

No 265 of 1861/62

Southern Circle

District Engineers Office

Tower Annicutt 15th January 1862

From

Captain R. F. Cake

District Engineer

To

The Deputy Chief Engineer

Southern Circle

Trichinopoly

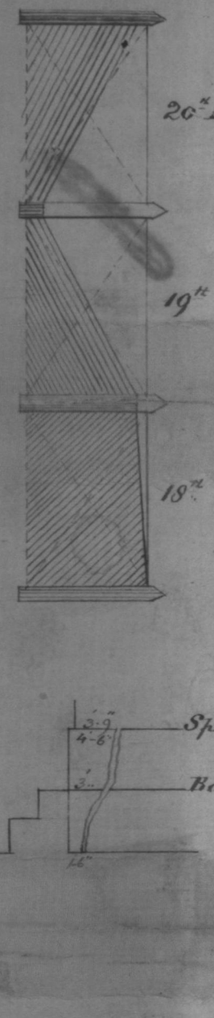
Sir

I have the honor to report for the information of Government the progress of the repairs effected to the Tower Annicutt since the 30th November and 1st December when I had the honor to inform you that the leaks reported to me as having been observed on that day in front of the 17th arch from the North end, similar means were adopted to stop those leaks as had already proved successful

2 A small embankment was thrown across the bed of the river in front of the injured portion of the Bridge and Annicutt to prevent further scour and to admit of similar means being adopted to check up and secure the arches on either side

of

of those injured. The Bridge was thus deprived of the support afforded by the buoyancy of the water and on the swarming of the 5th an extent of large portion of the Pier common to the 19th and 20th Arches sunk westward, carrying away with it the unshaded portions of the 19th and 20th Arches and leaving only 8'9" of the arch on the 19th Pier standing. In falling the 19th Arch dragged with it the cutwater and about 2' of the 18th Pier on the west side and about 2' of the 18th Arch with the Spandrel and Parapet. The 18th Pier appears however to be entirely sound and the portion carried away and removed owing to the addition of the Brick work and the fall of the Parapet and face wall above it.



3 The Piers which support the 21st or Shore Arch do not appear to have settled more than they had done on the 30th November and the foundation of the extremities of the Piers would appear to be sound, the sinking or settling having taken place under the centre of the Piers only.

4 The Annaikatt has as might have been expected been injured by the settlement of the Piers, but the injury sustained is very trifling.

5 On the 10th the River rose owing to local rains to a height of about 4½' and breached the front embankment before the injured portion of the Annaikatt. This is now being restored to enable Colonel Birdwood to examine the Works and an Estimate will be prepared and submitted as soon as the full extent of the injury has been ascertained. At the moment preparations are being made for materials for the reconstruction of the Bridge and injured portion of the Dam

I have the honor to be
Sir
Your most obedt Servant

W. F. Yates Captain
District Engineer

No 4

Submitted for the *further early information of Government. Colonel Birdwood, the Depy

* Vide endorsement No. 8343 and 8715 dated 13th and 23rd December 1861.

No. 9669

Deputy Chief Engineer, Southern Circle,
is requested back from his visit of inspection
on an early date, when a full report
on the actual condition of the Arrears
will be submitted to Government.

[illegible] Lieut.-Colonel

Cent-Office Pr
Chief Clerk
22nd January 1862

for Deputy Chief Engineer &c.

To

Lieut.-Colonel W. H. Horsley
Chief Engr. & Secy. to Govt. H.P.W.D.
Fort St. George

Public Works 1862 Dept.
Gov.t for January
From No. 150.

Colonel B. S. Birdwood
Dep.y Chief Engr. S.C.

To Lieut.t Colonel W. H. Horsley
Chief Engr. & Secy. to Govt. P.W.D.
Fort Saint George

Dated 22d
Rec.d 28th January 1862

20-1-62
Dep.t No. 9669.

Submits for information a letter from the District Engineer of Tanjore reporting further injuries to the Lower Annicut and Dam

No. 85 - 30th January

Fort Saint George

For 31st Dec.r 1861 No.
462-464
21-4-62

The Commandant will await the report of the Deputy Chief Engineer of the Southern Division on the condition of the Lower Annicut.

By Order

No. 1674168.