M.R.O. 1—77,006—8-6-37.

(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. 3110 Press / Mis.

6-7.

Dated 1 — 10 — 1866.

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department, 1st October 1866.

No. 6. Read the following letter from the Acting Superintending Engineer, 1st Division, to the Secretary to Government, Public Works Department, dated Camp, Dowlaishweram, 4th September 1866, No. 107 :—

1. I regret to have to report that the lower side face wall of the aqueduct by which the Ellore Canal water is passed over the Beemadole drainage, was carried away immediately on the re-opening of the canal, viz., about the 8th July 1866,* I am surprised to find that no report was made at the time by Captain Ryves, who informed me, two days after my arrival, that the channel was again rendered passable by the construction of a turf bank.

* There are no official papers on record.

2. I inspected the work on the 21st ultimo, and attribute the accident to inferior workmanship. I found that the arch was mere rubble, without any attempt at radiation, with open joints, and in one place the so-called key stone was two inches from the intrados of the arch.

3. Mr. Sage, who saw the work while in progress, informs me that there was at first great difficulty in procuring skilled laborers. That afterwards they were sent down from Dowlaishweram in such a number that they ran the work up too quickly. And the parapet was built upon a freshly built arch.

4. The rates allowed in the estimate (prepared by Captain J. G. Ryves) are, in my opinion, insufficient for a work of such magnitude, and calculated to bear such a pressure; the best brick or well dressed stone should have been used. The crown of the arch is one and a half to two feet lower than it ought to be.

5. The work must now stand as it is till December, when the Executive Engineer wishes to close the channel at Vizaishwarum for clearing. Meanwhile, I propose to submit a supplemental estimate for restoring the work, judging as to the further strengthening required by the experience of the next two months.

No. 7. ORDER THEREON, 1st October 1866, No. 3,110.

CIVIL WORKS, No. 5.

The Government will await the receipt of the supplemental estimate promised in paragraph 5, in submitting which the Acting Superintending Engineer of the 1st Division will furnish explanation of the several points adverted to in G. O. No. 2,265, dated the 6th August 1864.

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

To the Superintending Engineer, 1st Division.

Exd. S. T. Augustin.

Supt. & Engrs Office 12
Camp Doulaishwaram
4th September 1866.

No. 167

From, Lieut.t Colonel F. J. Moberly R.E.
&c. &c. Superintending Engineer 12

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

Sir,

I regret to have to report that the lower side face wall of the Aqueduct by which the Ellore Canal water is passed over the Kemmadole drainage was carried away immediately on the re-opening of the Canal viz.t about the 5th July 1866.× I am surprised to find that no report was made at the time by Captain Rynes; who informed me, 2 days after my arrival, that the channel was again rendered passable by the construction of a turf bank.

2. I inspected the work on the 21st ult: and attribute the accident to inferior Workmanship. I found that the arch was mere rubble without any attempt at radiation. with open joints. in one place the so called key stone was 2 inches from the intrados of the Arch.

3. Mr. Sage, who saw the work while in progress, informs me that there was at

× there are no official letters on record.

at first great difficulty in procuring skilled labourers - That afterwards they were sent down from Doulaish-waram in such a number that they ran the work up too quickly - And the parapet was built upon a freshly built arch.

4. The rates allowed in the Estimate prepared by Captain J. G. Pyncr, I are in my opinion insufficient, for a work of such magnitude - and calculated to bear such a pressure the best brick or well dressed stone should have been used - The crown of the arch is 1½ to 2.4/12 lower than it ought to be.

5. The work must now stand as it is till December when the Executive Engineer wishes to close the channel at Vizagishwaram for clearing - Meanwhile I propose to submit a supplemental Estimate for restoring the work, judging as to the further strengthening required by the experience of the next 2 months.

I have the honor to be
Sir,
Your most obedient Servt

J. J. Ludbrook Lt Colr RE
Supt Engineer 1st D

1

Public Works Department

No. 3110

Proceedings of the Madras Government

Under date the 1st Octr 1866

Read the following

From

The Acting Supt Engineer
of the 1st Division (A.E. No 107 d/4 Septr 1866.)

The Government will await the receipt of the supplemental estimate promised in para 5, in submitting which the Acting Supt Engineer of the 1st Division will furnish — explanation of the several points adverted to in G.O. No 2265 dated the 6th August 66

To The Supt Engr 1st Divn

Supt 2nd October 16

2

To The Secretary to Govt
P.W.D.

Sir

I have the honor to forward herewith for the information of Government a letter No 107 dated 4th instant from the Executive Engineer Ist Division

2 Plans

Copies of the letter and plans are also forwarded for the information of the Board of Revenue

I have the honor to be
Sir
Your most obedient Servant
Chief Engineer

Fort St George
4th September 1866

Chief Engr's Office
No 3110 dated 4th Septr 1866

Copy forwarded to the Executive Engineer Ist Division for information

By Order
Chief Engineer

C. 21 Copies/1866 R. 28

Ests. for 1866. £1,5[illegible]

Ests. of the Govt. for Oct. 1866

[illegible]

3110

Ests. of the Madras Govt.

1st Oct. 1866

No. Supplementary Estimate for the repair of damages recently caused by an Aqueduct connected with Bellary Canal in the Cudda[illegible] Collectorate &c.

No 6-7.

C. 21st Sept. 1866 No. 285