

(1) Number of pages 12

(2) Date of repair 6-4-23

(3) Initials of the Referencer \_\_\_\_\_

## MADRAS RECORD OFFICE.

Government of Madras.

*Public works* DEPARTMENT.

|               |                |
|---------------|----------------|
| G.O. No. 1488 | Press          |
|               | <del>Mis</del> |
| 397-98        |                |
| Dated 17. 5   | 1867 .         |

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,  
17th May 1867.*

No. 397. Read the following letter from the Acting Superintending Engineer, 6th Division, to the Secretary to Government, Department Public Works, dated Tanjore, 9th May 1867, No. 159 :—

1. I have the honour to forward an estimate for the re-construction of a portion of the southern wing-wall of the Lower Coleroon Anicut, amounting to Rupees 5,000, and to request that the sanction of Government be granted to the expenditure of this sum. This application has been rendered necessary by the fall, on the 9th of March, of a portion of the old wing-wall, an occurrence which happened while Captain Oakes was ill, and which I learn, on returning to Tanjore, where the Superintending Engineer's Office remains, has not yet been reported to Government.

2. The plan, herewith forwarded, shows the section of the old and of the new wing-walls. The old wing-wall was, as experience has shown, strong enough to stand and to remain uninjured as long as the earth around its foundations remained undisturbed. The new one has been commenced, and the section provided for it is such that it would stand if the soil under its foundations remained firm, even though that around them were washed away; and, in hydraulic works the soil about foundations is liable to be carried away.

3. In the present instance, however, the failure of the old wing-wall was not due to the action of water, but to excavations made in its immediate vicinity to receive the foundations of the rear apron, now being added to the anicut. Had the earth been partly removed from the rear of the old wing-wall before these excavations were commenced, there is every reason to believe that the old wing-wall would have been standing now. The omission to take this precaution was an error on Mr. Bateman's part, but I must say in his defence that the excavations at the north end of the rear apron were made, and the foundations of the retaining wall were laid without injury to the north wing-wall of the anicut. This no doubt had some effect in preventing him from expecting any evil result from the absence of caution. The north and south wing-walls were, however, built at different periods and with different sections. Hence the difference in the results of similar work in the two cases.

No. 398.

ORDER THEREON, 17th May 1867, No. 1,488.

IRRIGATION, No. 24.

1. As it appears from the section of the wing-wall of the Lower Coleroon Anicut which has fallen that, though the masonry was scarcely of sufficient thickness to resist the pressure of earth it had to sustain, and that it necessarily gave way when its equilibrium was disturbed by the excavation of the soil in its vicinity, the Government think Mr. Bateman in a great measure to blame for the disaster, inasmuch as he ought to have been more cautious, and His Excellency in Council is much dissatisfied at the delay which has been allowed to occur in bringing an accident involving so large an outlay to notice.

2. The Government sanction the estimate of Rupees 5,000 for the re-construction of the work with increased sectional dimensions, and direct that the cost be

*Proceedings of the Madras Government, Public Works Department,  
17<sup>th</sup> May 1867.*

met from the allotment for the anicut, pending a further assignment of funds for that work, if it be required later in the year.

(True Extract.)

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

To the Superintending Engineer, 6th Division.  
,, Controller of Public Works Accounts.  
,, Accountant General.

End. S. T. Augustin.

No 159-

Superintendent's Office  
Bangalore 9<sup>th</sup> May 1867.

From,

Lieut Colonel F. P. L. Colonel R. E.  
As Superintending Engineer 6<sup>th</sup> Division.

For Colonel C. A. Orr R. E. -  
Secretary to Government,  
D. P. W.

Sir,

I have the honor to forward  
an Estimate for the reconstruction  
of a portion of the Southern wing wall  
of the Lower Coleroon Anicut A.  
amounting to Rupees 5000, and to  
request that the sanction of Govern-  
ment be granted to the expenditure  
of this sum - This application  
has been rendered necessary by  
the fall, on the 9<sup>th</sup> of March, of a portion  
of the old Wing wall, an occurrence  
which happened while Captain  
Oaker was ill, and which I learn  
on returning to Bangalore, where  
the Superintending Engineer's Office  
remains, has not yet been re-  
ported to Government. -

The

2<sup>d</sup> The Plan herewith forwarded shows the sections of the old and of the new wing walls - The old wing wall was, as experience has shown, strong enough to stand & to remain uninjured as long as the earth around its foundations remained undisturbed. The new one has been commenced, and the section provided for it is such that it would stand if the soil under its foundations remained firm, even though that around them were washed away, and, in hydraulic works, the soil about foundations is liable to be carried away. —

3 - In the present instance however the failure of the old wing wall was not due to the action of water but to excavations made in its immediate vicinity to receive the foundations of the rear apron, now being added to the Ancient. Had the earth brick party remained from the rear of the old wing wall before

before these excavations were commenced, there is every reason to believe that the old wing wall would have been standing now - The omission to take this precaution was an error on Mr. Bateman's part, but I must say in his defence that the excavations at the north end of the rear apron were made, and the foundations of the retaining wall were laid without injury to the north wing wall of the Ancient - This no doubt had some effect in preventing him from expecting any evil result from the absence of caution - The north and south wing walls were however built at different periods and with different sections - Hence the difference in the results of similar work in the two cases. —

I have the honor to be

Sir,

Your most Obedt Servt

P. M. M. Smith Lieut Col R.E.  
Adj. Sup & Engineer B.D.

Communication

Abstract Estimate No. of 1867/68 New  
Tanjur District work  
Combaconum Taluq

Wor K. Proposed Extension of and Restoring  
fallen portion of wing walls of Lower Coleroon Anicut

| Quantity  | Description of Work                           | Rate | Amount  | Amount<br>of each<br>part |
|-----------|-----------------------------------------------|------|---------|---------------------------|
| 25642 3/4 | Off Brick in Chuanamut                        | 2    | 3205 56 |                           |
| 1207 1/2  | D <sup>n</sup> Rough Stone in Chuanamut       | 8    | 603 12  |                           |
| 3456      | Sq <sup>ft</sup> Plastering <del>per sq</del> | 2 10 | 90 11 6 |                           |
|           | Removing old work                             |      | 160     |                           |
|           | Excavating foundation & filling in            |      | 400     |                           |
|           | Baling                                        |      | 200     |                           |
|           |                                               |      |         | 4659 13                   |
|           | Sundries and contingencies                    |      |         | 340                       |
|           | Total Estimate Rupees.                        |      |         | 5000                      |

Lower Anicut }  
22 April 1867

(Signed) W. F. Bateman  
Sub Engineer S.P.W.

Sup<sup>r</sup> Engrs Office S<sup>r</sup> Div<sup>n</sup>  
Tanjur 9<sup>th</sup> May 1867

W. F. Bateman Supt Col<sup>l</sup> R. E.  
Supt Engrs Office S<sup>r</sup> Division

1867

To the Hon<sup>ble</sup> Secy to the Government  
at Bangalore  
Dated 29<sup>th</sup> March 1867  
Received 13<sup>th</sup> May 1867  
Rs 5000  
For the extension of  
and restoring of  
fallen portion of wing  
walls of Lower  
Coleroon Anicut  
Sd/-  
W. F. Bateman  
Sub Engineer S.P.W.

No 1488

PROCEEDINGS of the MADRAS GOVERNMENT.

Under date the 17th May 1867  
Read the following

From the Supt Engineer of the  
6th Div

(Here enter No. 159 dated 9 May 1867)

As it appears from the section of the Wing Wall of the Corner Coleroon Aqueduct which has fallen that the masonry was scarcely of sufficient thickness to resist the pressure of earth it had to sustain, and that it necessarily gave way when its equilibrium was disturbed by the excavation of the soil in its vicinity, the Government think Mr. Bateman in a great measure to blame for the disaster than

19/5/67

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inasmuch as  
~~that~~ he ought to have  
been more cautious, and His Excellency Council  
~~dismissing~~ ~~earlier~~ is much dissatisfied  
~~the~~ ~~at the~~ ~~delay~~ at the delay which has  
The Government sanction been allowed to occur  
the estimate of Rupees in bringing an ac-  
5,000 for the reconstruction cident involving  
of the work with increased sectional dimensions, and so large an out-  
sectional dimensions, and direct that the cost  
be met from the be met from the  
allotment for the Annual, allotment for the Annual,  
pending a further pending a further  
assignment of funds assignment of funds  
for that work, if it for that work, if it  
be required later in be required later in  
the year - the year -

W.B.

The Supd. Secy  
- in Charge of  
- Acc. Genl.  
+ Rev. Secy  
Dec 18/5/67  
+ 18/7/67

Pub. Works 1867 Department

Pro: of Govt. for May

No. 1488

Pro: of the Madras Govt.  
D<sup>y</sup> 14<sup>th</sup> May 1867

Sanctioning the estimate  
of Rs. 5,000 for the re-consti-  
tution of the wing-wall of  
Lower Coleroon Aqueduct.

The conduct of Mr.  
Bateman S. E. Engineer in  
connection with the destruction  
of the above wing-wall,  
noticed.