

(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. 846	Press ~~Mis.~~
585-86	
Dated 26 3	1872.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
26th March 1872.*

No. 585. Read the following endorsement of the Acting Superintending Engineer, 5th Division, dated Cuddalore, 12th March 1872, No. 271 :—
From the Executive Engineer, Bangalore, to the Superintending Engineer, 5th Division, dated Bangalore, 5th March 1872, No. 1,099.

I REGRET to have to report, for your information, that at 7½ A. M. on the 2nd instant a report was made to me that the cistern at the Race-course Barracks showed serious signs of leakage.

2. On repairing to the spot I found that on both sides the walls were saturated, and a displacement of the masonry had caused a crack on the south side, through which water spirted freely.

3. As the cistern was filled with water on the 29th ultimo, a very large body of water, some 300,000 gallons nearly, or about 1,335 tons, had to be got rid of immediately to ensure the safety of the neighbouring buildings. Fortunately this was accomplished before the cracks in the interior of the cistern became so bad as to endanger the actual stability of the enclosing walls.

4. This cistern it will be remembered, together with that in the Royal Horse Artillery Barracks, was repaired by me in the latter half of the year 1869. The repairs of the Royal Horse Artillery cistern succeeded perfectly, but only one-half of the Race-course Barracks cistern (that which I now report as having given way) was found on completion of the repairs to hold water.

5. Since October 1869 this half cistern has been in constant use and has never given any indication of failure. I am unable at the present moment to state what the precise reason of this unfortunate failure has been, but I imagine that the old foundations rested on earth honey-combed by previous leakage, and that in the course of time this honey-combed earth has gradually given way and the foundations both of walls and flooring have followed it.

FORWARDED for the information of Government, with an intimation that the Executive Engineer has been requested to without delay ascertain the cause of failure and report fully thereon, submitting an estimate for the repair of the cistern, and the carrying out of such measures as will prevent a recurrence of the failure.

(Signed) J. VERTUE, Captain, R. E.,
Acting Superintending Engineer, 5th Division.

No. 586. ORDER THEREON, 26th March 1872, No. 816.

MILITARY WORKS, No. 21.

THE Government will await the further report promised to be submitted with the estimate called for.

(True Extract.)

Colonel, R. E.,
Secretary to Government.

To the Acting Superintending Engineer, 5th Division.
,, Military Department.
Exd. S. T. Augustin.

To 1099. Executive Engineer's Office,
Bangalore, 3rd March 1872

From The Executive Engineer,
Bangalore

To The Suptg. Engineer,
5th Division, D. P. M.

Sir,

I regret to have to report for your information that at $7\frac{1}{2}$ A.M. on the 2nd instant a report was made to me that, the cistern at the Race Course Barracks, showed serious signs of leakage.

On repairing to the spot, I found that on both sides, the walls were saturated and a displacement of the masonry had caused a crack on the South side, through which water spirted freely.

As the Cistern was filled with water on the 29th ultimo, a very large body of water - Some 30,000 gallons nearly or about 1335 tons, had to be got rid of immediately, to ensure the safety of the neighbouring buildings. Fortunately this was accomplished before the cracks in the interior of the cistern became so bad, as to endanger the actual stability of the

enclosing walls.

This cistern it will be remembered together with that in the Royal Horse Artillery Barracks was repaired by me, in the latter half of the year 1869.

The repairs of the Royal Horse Artillery Cistern succeeded perfectly, but only one half of the Race Course Barracks Cistern, that which I now report as having given way, was found on completion of the repairs to hold water.

Since October 1869, this half Cistern has been in constant use and has never given any indication of failure. I am unable at the present moment to state what the precise reason of this unfortunate failure has been, but I imagine that the old foundations rested on earth honeycombed by previous leakage and that in the course of time, this honeycombed earth has gradually given way and the foundations both of walls and flooring have followed it.

I have the honor to be,
Signed A. M. Wood Capt. R.E.
Executive Engineer

No. 271.

Supltg. Engrs. Office, Sth Dn.,
Cuddalore 12th March 1872.

Forwarded for the information of Government, with an intimation that the Executive Engineer has been requested to without delay ascertain the cause of failure, and report fully thereon, submitting an Estimate for the repair of the Cistern, and the carrying out of such measures as will prevent a recurrence of the failure.

Laurel Street Capt. R.E.

Acting Supltg. Engrs. Sth Dn.

The Secretary to Government,
Public Works Department.

P. M. 1872 Week

of

No 1325

Office of the City Engineer

3rd Dec

At the City of New York

1872

Dec 15th March 1872

No 271

Referring to report from
the City Engineer (Bangalore)
of the failure of the Mass
River Bridge, with an in-
formation that the Officer has
been desired to ascertain
the cause of the failure &
to send in an estimate for
rebuilding the Bridge.

By the City Engineer
No 845. 28. Dec 1872

To the City Engineer
Bangalore

Dec 15th 1872

The Government will receive the
further report forwarded to be submitted
with the estimate called for.

By the City Engineer
Bangalore

Chg 1325

Govt. of Madras

PUBLIC WORKS.

Superintending Engineer
5th Division

Date

And

026. K. L. 846.

Nos. 585/586

Cistern The S. L.

of the S. L. informed
that the further report
promised to be submitted
with the estimate called
for is awaited. Regarding
the leakage of the cistern
at the Race Course Bazaar
at Bangalore is awaited.