M.R.O. 1—77,006—8-6-37.

(1) Number of pages 6

(2) Date of repair

(3) Initials of the Referencer

MADRAS RECORD OFFICE.

Government of Madras.

Public works DEPARTMENT.

G.O. No. 305 Press / Mis. 610-11

Dated 25-1-19 1866.

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department, 25th September 1866.

No. 610. Read the following letter from the Acting Superintending Engineer, 1st Division, to the Secretary to Government, Public Works Department, dated Camp, Rajahnagrum, 10th September 1866, No. 106:—

1. I have the honor to report that the walls of the Nundamúr lock have cracked again very much, as they did when originally built. In my opinion the mass of masonry at the back of the heel post is unnecessarily great, while the lower tail wall is too short by ten feet, counterforts of rough stone were placed at Chintapilly and the old lock at Nundamúr, to remedy this deficiency, so long ago as 1852-53. Chintapilly lock is still working, though badly. At Nundamúr it was considered advisable to pull down and re-build the lower part; it is much to be regretted that the tail walls were not built longer.

2. The cracks are not of any moment now, and the heavy traffic caused by the export of grain is using the lock largely.

3. To satisfy myself as to my ideas regarding the direction of the pressure, I gummed a piece of this paper across the crack near the top of the wall when the lock was empty and its shutters being repaired, the paper tore across as the lock filled.

No. 611. ORDER THEREON, 25th September 1866, No. 3,068.

CIVIL WORKS, No. 109.

The Government quite agree with Colonel Moberly that the tail walls of the Nundamúr lock are not long enough, and perhaps not deep enough founded to afford sufficient support as buttresses to resist the thrust of the rear gates when the lock chamber is filled. Immediate measures should be taken for strengthening the work.

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

To the Superintending Engineer, 1st Division.

Exd. S. T. Augustin.

No. 186.

Supdg. Engrs. office 1st Dn
Camp Rajahmundry
10th September 1866.

From,
Lieut. Colonel F. J. Moberly R.E.
Actg. Superintending Engr. 1st Dn

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

Sir,

I have the honor to report that the walls of the Kundaumir lock have cracked again very much as they did when originally built. In my opinion the mass of masonry at the back of the heel post is unnecessarily great while the lower tail wall is too short by 10ft. - counterforts of rough stone were placed at Chintapilly and the old lock at Kundaumir to remedy this deficiency so long ago as 1852.53. Chintapilly Lock is still working, though badly - At Kundaumir it was considered advisable to pull down & rebuild the lower part; it is much to be regretted that the tail walls were not built longer.

2. The cracks are not of any moment now & the heavy traffic caused by the export of grain is passing the lock largely.

3. To satisfy myself as to my ideas regarding the direction of the pressure I gummed a piece of paper across the crack near the top of the wall when the lock was empty & its shutters being repaired & the paper tore across as the lock filled.

I have the honor to be,
Sir,
Your most obedient Sv.

F. J. Moberly Lt Colel R.E.
Actg. Superintending Engr 1 D

Ro-out Nov/65 N 481-482

P. H. 1866. Department Civil
Prop of Govt for September
Ans N° 3843

The Ag Supt Engineer
for Do

The Secretary Govt
Do Do

Dated 20 Sept/66
Despd 21 "
Rec'd 17 "
No 308

Reports that the walls of Nunconnow Lock have cracked again very much as they did when originally built

N° 2068 - 25th Septr 1866

Write an Order.

N° 610-611.

Rec. 19th Sept/66 Ans. 20th

N° 2068

The Govt quite agree with Colonel Moberly that the tail walls of the Nundamúr Lock are not long enough, and perhaps not deep enough founded & afford sufficient support as buttresses to resist the thrust of the rear gates when the lock chamber is pulled — Immediate measures should be taken for strengthening the work

N.

Lt Col

Lt Col E Dun

Fort St George
25th Septr 1866

Despd 26 Septr

16