(1) Number of pages 8

(2) Date of repair July 1986

(3) Initials of the Referencer bms

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Public Works DEPARTMENT

G.O. No. / B.P. No.	853 (W)	Press. / Mis.
Dated	20.2.1878	~~197~~.

Bcer.

Not to be folded or roughly handled.

Archives I—10,006—19-4-79.

853
1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

20th February 1878, No. 853 W.

Buildings and Roads.

Civil Works.

Read the following paper:—

No. 188. From E. H. PRINGLE, Esq., District Engineer, South Canara, to the Chief Engineer, Public Works Department, Buildings and Roads, dated Camp, Albadi, 11th February 1878, No. 85.

WHILE recently inspecting a bridge over the Uchilsal river on the coast road near Baindur, I found the laterite piers and abutments had been deeply eroded beneath high-water mark by tidal action and the attacks of crabs, shell-fish, &c. The masonry of this bridge where exposed to sea-water was coated with asphalte in 1871, but the latter has been entirely worn away. I understand the concrete blocks of the Madras Harbour Works are laid on a bed of laterite rubble, through which water must percolate and which will be exposed to tidal and current scour in a much greater degree than the Uchilsal bridge is. If protected cut laterite is destroyed so rapidly rubble will offer even less resistance, and as it may be a serious matter if Mr. Parkes has not allowed for the settlement that would result from the breaking up of the rubble of the bed, I have thought it right to bring the above instance to your notice; the more so as I am unaware of any experiments having ever been made regarding the lasting qualities of laterite in such exposures.

No 189. ORDER THEREON, 20th February 1878, No. 853 W.

COMMUNICATED to the Superintendent, Madras Harbour Works.

(True Extract.)

(Signed) E. A. FOORD, Colonel, R.E.,
Secretary to Government, P.W.D.

To the Superintendent, Madras Harbour Works.

Exd. E. C. Shunker.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1878) Madras.

PUBLIC WORKS.

To

The SUPERINTENDENT, MADRAS
HARBOUR WORKS.

Dated February 20th.

Issued

Rec'd. Feb'y

G. O. 20th February 1878, No. 356 W.

FEBRUARY.

Nos. 160-169.

Colvinal Bridge on the coast road near Devidur, South Canara District.—Letter from the District Engineer reporting the result of his inspection of the — communicated to the Superintendent, Madras Harbour Works.

No 85.

District Engineer's Office
Camp Attadi 10th Feby 1878

From

The District Engineer 853/2
South Canara

To

The Chief Engineer for
Roads & Buildings
Madras

Sir,

I had recently occasion to inspect a bridge over the Colvinal river on the Coast Road near Baindur & found the laterite pier & abutments had been deeply eroded beneath high water mark by tidal action & the attacks of crabs, shellfish &c the masonry of this bridge when exposed to sea water, (was coated) with asphalte in 1871 but the latter has been entirely worn away. Underneath the concrete blocks of the Madras Harbour works are laid on a bed of laterite pebble, through which water must percolate & which will be exposed to tidal and current action in a much greater degree than the Colvinal bridge is. If protected, our laterite is durable as rapidly & pebble will offer even less resistance and as it may be a serious matter if the Parties has not

allowed for the settlement that would result from the breaking up of the Rubble of the bed. I have thought it right to bring the above instance to your notice the more so as I am unaware of any experiments having ever been made regarding the lasting qualities of Calcareous Cements.

I have the honor to be
Sir
Your most obedt Servt
Thos Wright
Civil Engineer

83/3.

853/K.

From -

The District Engineer
Chingleput

To

The Chief Engineer
Roads & Buildings.
Madras -

Dated 11th February 1878.

No 85-
Encl: 1

Echilsal Bridge on the Coast road - Reporting the results of inspection - more Boring -

Ref No. 853 W dy 20th Feby 1878

Communicated to the Supt. M. A. Works.

Supt. M. A. Works. 907 19/2
Disp 27-2-78 3 17

2046

Govt. of India.

PUBLIC WORKS.

To The Supt. Mr. Harbour Work,

Dated

Issued

Recd. Encl.

G. O. 20 July 1878, No. 853

Nos.

Rehibal Bridge on the Coast Road near Dam-dur, South Canara Dist.

Letter from the Dist. Engr. requesting the usual Govt. inspection of the Comdr. of the Supt. Madras Harbour Works.

Entered in Reg.

Supt. No. VI.
Dispatch 7: 2