

- (1) பக்கங்களின் எண்ணிக்கை 8
 (2) புதுக்கித் திருப்பிய நாள் 9/28
 (3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம் 1/10

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

P. w. 9 துறை

அரசாணை எண். மு. கோப்புத் தாள் எண்.	2019-W	அச்சகம் பலவகை
நாள் :	23.7.1890	198

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

Guddalore Bridge Works,
Exe. Engr's Office
No 1257. Guddalore 12 July 1890

From

The Executive Engineer
Guddalore Bridge Works.

To

The Superintending Engineer
P. P. P. P.

Sir

I regret to have to report that
a somewhat serious settlement
has taken place of the 1st & 2nd piers
in the South end of the Ponnaiyur
Bridge.

These two piers it will be remembered
were built up about 4 ft. before
the work was handed over to this
Department. Their walls were reported
to have been sunk 14 ft.

There is a slight crack about
 $\frac{1}{32}$ " traversing the centre of the 1st
pier in the direction of the length
of the Bridge from the bottom to
a height of 4 ft. This was dis-
covered yesterday evening. This
morning I had careful levels taken
of the 1st & 5 piers & examined them and the
others with the result that the 1st
pier appears to have settled $1\frac{3}{8}$ "

and

$\frac{3}{8}$ " and the $2\frac{1}{2}$ " $\frac{1}{2}$ " and there is no
apparent settlement of any
of the others.

The piers of the 1st 3 arches
have sunk $5\frac{1}{8}$ " $7\frac{1}{8}$ " and $1\frac{1}{4}$ " res-
pectively - exactly correspond-
ing to $\frac{1}{2}$ the sum of the settle-
ments of their supporting piers.

There are no visible cracks
in the arches or the face walls.
The face walls have
been built up to crown level
over the No. 6 piers and the
concrete reaching to the 1st 1015
and the spandrels have been
filled in with earth to crown
level during the last few days
up to the 3rd pier & part of the 4th.

I have &c

By C. J. Peters.

Ex-acting Engineer
Cuddalore Bridge Works.

Trine & Co.

Watson & Co.

Superintendent of Works

2
2019

No. 1759

V Circle, Madras,

Chennai, 14 July 1890.

From

Col. H. H. Burton P.E.

SUPERINTENDING ENGINEER, V CIRCLE,

To

The Chief Engineer
P.W. Department.

SIR,

Enclosures.

I have the honor to forward herewith the copy of a Report No. 1287 dated 12 July 1890 I have just received from the Executive Engineer, Cuddalore District describing the serious settlement in the 1st & 2nd piers at the South end of the Bridge of 16 arches of 60 feet span each now being built over the Ponnaiy River.

2. The Executive Engineer points out further that, if the settlements do not increase they will not be dangerous.

3. I propose visiting the work immediately and will report further - the evident failure of

Pw Encl
6677/90

of the foundations of these two
piers so soon (5 months) after
the piers resting on them
were turned. Seem's every
serious for it more or less
jeopardises the stability of
the piers between the
South end of the Bridge and
the first abutment Pier.

I have the honor to be
Sir

Your Most Obedt Servt

Wm Austin
Supt. of the
S. C.

mens no 2386C 23.8-90
" 2308C 22.8-90
" 1866C 27.2-90
" 4220C 13-9-89
" 4109C 14-9-89
" 4076C 12-9-89
" 3805C 23-8-89
" 1973C 18-4-89
" 1964C 17-4-89
" 5265C 28-12-88
" 1920C 16-4-89
20600 2.6-20 1860

RM. 6671-

From THE SUPERINTENDING ENGINEER,
V. CIRCLE,

To THE Chief Engineer
P.W. Dept.

Dated 14 } July 1890.
Recd.

ENCLOSURES /

No. 1769

Pomineur
Bridge.

Forwards with
certain remarks copy of
a letter from Ex. Engr
Guddeau Bridge Works
describing the serious
settlement in the 12th
piers at the South end of -

LD 2571

Recorded.

2. The promised
report of the Supp
Engineer after
personal inspection
of the bridge
is awaited.

Recd 0013
17.7.90 15.7.90

To
E V Circle
As 85 VII
18. VII
24. VII
Recd 2517