M.R.O. 1—10,006—28-2-50.

(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.	1416	Press
~~B.P. No.~~		~~Mis.~~
545-546		
Dated	28-5-1874	~~195~~ .

Not to be folded or roughly handled

1B

Proceedings of the Madras Government, Public Works Department, 28th May 1874.

No. 545. Read the following letter from A. C. LAWFORD, Esq., Officiating District Engineer, South Canara, to Colonel G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Mangalore, 9th May 1874, No. 20 :—

I HAVE the honour to report, for your information, the occurrence of an unusually severe storm commencing on the night of Wednesday 6th, and lasting, until Friday, 8th instant. In 36 hours from 7 P.M. of the 6th 14 inches 80 cents of rain fell, causing considerable damage to bridges. On the road from Mangalore to Mercara, a single-arched bridge of 30 feet span on the 9th mile was completely destroyed, the new abutments and wings of the Bermarkuttoo bridge on the 13th mile, and on the Kodekal Ghaut Road, a bridge of two arches of 8 feet span.

2. The cause of destruction in all these instances was the severe scour caused by the head of water which accumulated on the up-stream side, the effect of this being greatly aggravated by the peculiar fact that, although some of the tributaries of the Neithrawathy, three of which were spanned by these works, were in extraordinary flood, the main river does not appear to have been affected by the storm in an equal degree.

3. Measures are being taken to provide temporary road ways. Further particulars will be communicated when received, or as soon as I have inspected the sites which I will do with the least possible delay with the view of submitting at once designs for new works.

No. 546. ORDER THEREON, 28th May 1874, No. 1,416.

CIVIL WORKS, No. 54. ORDERED to be recorded.

(True Extract.)

Colonel, R.E.,
Secretary to Government.

To the District Engineer, South Canara.
,, Financial Department.

Exd. E. C. Shunker.
Spare Copies

No 20. 3B

District Engineer's Office
South Canara
Mangalore 9th May 1874

From

A. C. Lawford Esqre
Offg. District Engineer
South Canara.

To

Colonel G. F. Walker C.E.
Chief Engineer and Secretary
to Government P.W.D.
Madras.

Sir,

I have the honor to report for your information the occurrence of an unusually severe storm. Commencing on the night of Wednesday 6th and lasting until Friday 8th instant. In 36 hours from 10 P.M. of the 6th Inches Cents to 10 A.M. of the 8th 11-89 of rain fell causing considerable damage to bridges on the road from Mangalore to Barcoor, a single arched bridge of 30 feet span on the 6th mile was completely destroyed the wing abutments and bridge of the Permankatte Bridge on the 13th mile and on the Kodchal Ghaut Road a bridge of 2 arches of 8 feet span-

2.

The cause of destruction in all
these instances was the severe scour
caused by the head of water, which
accumulated on the upstream side
the effect of this deep gravelly regime
noted by the peculiar fact that,
although some of the tributaries of
the Mediterranean, three of which are
spanned by Nile arches, were in ef-
fect gravelly flood, the main river
does not appear to have been affected
by the storm in any great degree.

3.

Measures are being taken
to provide temporary shoulderings.
Further particulars will be communi-
cated when received and I
have misgivings that the piles which shall
do with the least possible delay with
the view of submitting at once
designs for new works.

Charles Hawksley,
Chief Engineer

Alexandria
Office of Engineers

2. The cause of destruction in all

Pub. Works 1874 Dept.
Encl. No. 2830.
Ch. Q. Inspector
Engineer
Ch. Q. Chief Inspector
Secretary Legislature
Ch. P. W. Boards

Public Letter dated 1871
No. 2135 May
No. 20
Encl. Encl.

Requesting the detailed
description of certain bridges
to be reconstructed
from annually
severe storm between
6th and 8th Instant.

Engineer

Civil

745-546.

Ans 16th January 1875

Inspector

Engineer

Chief Inspector

Secretary Legislature

Chief Engineer

Boards

1874

Dept.

No. 2830.

Engineer

Chief Inspector

Secretary Legislature

Chief Engineer

Boards

Public Letter dated 1871

No. 2135 May

No. 20

Encl. Encl.

Requesting the detailed description of certain bridges to be reconstructed from annually severe storm between 6th and 8th Instant.

Engineer

Civil

745-546.

Ans 16th January 1875

Inspector

2. The cause of destruction in all

2830√

Govt. of 1874 Madras.

PUBLIC WORKS.

To The Deputy Supr
S. Canara.

Dated

Recd. Encl.

G. O. 28 May 1874, No. 1416

Nos. 545-546.

Damages to Bridges
S Canara

Letter from the Dy. Engineer
South Canara, reporting the
damages done to certain
Bridges by the late
storm —