M.R.O. 1—77,005—8-6-37.

(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. 1378 Press / Mis.

272-273

Dated 12-3-32 1866

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department, 12th May 1864.

No. 272. Read the following letter from Lieutenant-Colonel J. C. ANDERSON, R. E., Superintending Engineer, 2nd Division, to Colonel C. A. ORR, R. E., Secretary to Government, Department Public Works, dated Camp Nizampatam, 26th April 1864, No. 90:—

SIR,

In reply to your Memorandum No. 80, dated 15th instant, I have the honor to report that the effect of flood drainage on the road dams between Nellore and Gudúr cannot be properly tested until the occurrence of an *unusually* heavy fall of rain. They are intended to act as supplements to the bridges on Trunk Road No. 6, and to prevent damage from extraordinary floods, such as occurred in 1857 and 1859 when twelve inches of rain fell in the course of twenty-four hours. The last monsoon, the only one that has passed since the completion of the dams in question, was an unusually mild one, and its effect on them was too insignificant to allow of any conclusion being arrived at, unless it may be this: that forming extensive gaps in the road embankment, properly protected by masonry work, and not, as has been shown, coming into full use in ordinary seasons, they must act as a safety valve to the road. There is nothing novel, I may add, in these works. Road dams have always been used on the roads in this Presidency, and though of late years, they have been constructed on a larger scale than had formerly been customary, the principle is the same. As a general rule they are not constructed as substitutes for bridges across well defined streams, but across depressions which are filled by the overflow of rivers in flood, or which have to carry off the drainage of a small area; and when the obstructions they could cause to traffic would be infrequent and of short duration.

No. 273. ORDER THEREON, 12th May 1864, No. 1,378.

Ordered to be recorded.

(True Extract.)

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

Exd. S. T. Augustin.

No 90.

Supt's Tyn's Office 2nd Dn
Camp Nyamapalain
26th April 1864.

From

Lieut Col. J. C. Anderson R.E.
Supt's Engineer 2nd Dn

To

Colonel C. A. Orr R.E.
Secretary to Government
&c &c &c

Sir

In reply to your Memo No 80 of 15th inst. I have the honor to report that the effect of flood drainage on the road dams between Nellore and Gudur cannot be properly tested until the occurrence of an unusually heavy fall of rain. They are intended to act as supplements to the Bridges on Trunk Road No 6, and to prevent damage from extraordinary floods, such as occurred in 1857 and 1859 when 12 inches of rain fell in the course of 24 hours. The last Monsoons, the only one that has passed, since the Completion of the dams in question, was an unusually mild one, and its

effect on them was too insignificant
to allow of any conclusion being
arrived at, unless it may be this -
that forming intensive gaps in
the road Embankments properly protected
by Masonry work, and not, as has
been shown, coming into full use in
ordinary seasons, they must act
as a safety valve to the road. There
is nothing novel, I may add, in these
works, Roaddams have always
been used on the roads in this Pre-
sidency, and though of late years,
they have been constructed on a
larger scale than had formerly
been customary, the principle is the
same. As a general rule they are
not constructed as substitutes for
Bridges across well defined streams
but across depressions which are
filled by the overflows of rivers in
floods, or which have to carry off
the drainage of a small area; and
when the obstructions they could
cause to traffic would be in

frequent and of short duration.

I have the honor to be
Sir
Your most Obt Servt

J Chamberlain Lieut Col RE
Supg Engineer 2nd Dn

1864 Dispatch
No. of Govt for Irony
From No. 2016

The Surveyor General
2d Division

To The Secretary to Govt
Dublin

Dated 26 April 1864
Dispatched 28
Rec'd 6 May
No. 1348 — 12th May 1864
Reporting that the
effect of the flood
drainage on the
Road runs between
Kellys and Gidins
cannot be properly tested
until the occurrence
of an unusually heavy
fall of rain

Recorded

No. 272. 2/3

No. 1348.

Recorded

Chepenell
12th May/64