

(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.

3388

B.P. No.

Press

Mis.

Dated

27-11

6875

195

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
27th November 1875.*

No. 609. Read the following letter from Lieutenant-Colonel J. F. FISCHER, R.E., District Engineer, Madura, to Major-General G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Camp at Chuttraputty, 11th November 1875, No. 3,244:—

IN reference to paragraph 2 of G.O., of the 27th October 1875, No. 3,024, I have the honor to observe that if 1 square mile of drainage area is not capable of irrigating 84 acres of land, it is quite unnecessary to be providing escape weirs on the scale at present proposed. In the Nagpore water works Mr. Binnie has proved that a square mile of ordinary undulating plain country can yield water enough for the irrigation of from 250 to 300 acres of land for one crop, and it is quite evident that if our tanks really require the waste weirs to be of the dimensions proposed for them, we are taking the most effectual measures to waste the water as much as possible, instead of increasing the capacities of our reservoirs to hold as much water as possible either for extending cultivation or for tiding over unfavorable seasons with. In Bellary, when I found the capacity of a tank could be economically increased at a moderate expense the work was done at once, and the result was that in five or six years the area of cultivation had increased from 80,000 acres to 166,000 acres, that is between the years 1857-58 and 1862-63. I see however that the cultivation has since fallen off, and this should perhaps be looked into.

2. In this district it is impossible to increase the capacities of the tanks in any economical manner, owing to the physical configuration of the country; I have therefore selected the best sites I could find for large reservoirs on all the main rivers of the district in which an abundant store of water can be retained for the use of the cultivators, and this is the course I would respectfully submit for adoption by the Government as the one which is most likely to yield the best results for the district and its revenue.

No. 610. ORDER THEREON, 27th November 1875, No. 3,388.

IRRIGATION, No. 57.

The District Engineer will transmit any definite information he possesses relative to the actual area of irrigation under rainfed tanks, the extent of the catchment basins of which is known, to the Chief Engineer for Irrigation.

(True Extract.)

Major-General, R.E.,
Secretary to Government.

To the District Engineer, Madura.
,, Chief Engineer for Irrigation.

Exd. S. T. Austin.
Spare Copies

No 3244

District Engineer's Office
Camp Chultraphy 11 Nov 1878

From

Vicent Colonel J. F. Fisher R.E.

District Engineer, Madurai,

To

Major General G. W. Walker R.E.
Secretary to Government D.W.

Sir,

In reference to para 2 of the
27 October 1878, No 3024, I have the
honor to observe that if one square mile
of drainage area is not capable of
irrigating 800 acres of land, it is
quite unnecessary to be providing
escape weirs on the scale at present
proposed. In the Nagpore water
works Mr Binnie has proved that
a square mile of ordinary undulating
plain country can yield water enough
for the irrigation of from 250 to 300
acres of land for one crop, and it
is quite evident that if our tanks

1877-80/1/5 to 6/16-4/17.

188. Madison
29 Nov/75

Dis 78 4-12-75 Wm. 18/11

The 28th will transmit any of the information to the
relative to the actual area of irrigation under surplus
lands, the extent of the settlement known of which
is known, to the Chief Agents for irrigation.

P. 94 1875 Sept
No 7291

From
The District Engineer
Madison
to
The Secretary
to Government C. M.

Oct 11th }
Recd 15th } November

N 3244.

Observed in region
to from 2 of 1900. 12. 1894
last of 1900. 1905 that
if one degree wide of
drainage area is not
capable of irrigating
84 acres of land, this
service of the
= making adequate water
on the water at present
proposed
with order

20/

G. L. Madison

29 Nov 75 388

Actual area of irrigation
to be made of land.
The District Engineer
Madison
to the Secretary
to Government C. M.
The actual area of irrigation
is known to the
is known to the
for irrigation