

P. H. CURRIE, Esq. 855/
FROM *A. H. Currie Esq.*

G. S. L. 500-31-7-04

No. 1783 N.S.

Superintending Engineer's Office,
Bezwa da
II CIRCLE,

Dated 4th November 1894

From,

Major W. C. Baddley Esquire, R. E.
Superintending Engineer,
II Circle.

To,

The Chief Engineer,
P. W. Department,
Madras.

Sir,

In reference to G. O. No. 1657
of 3rd July 1894 I have the honour to
report as follows.

2. A glance at the map which
accompanied the report of the
Sanitary Commissioner which
printed with the above G. O.,
will show that the town of
Masulipatam is surrounded
by swamps and that it has
been necessary to construct an
embankment to keep out the sea
during high tides.

3. The main outlets for flood
water

taken are the Sivaganga drain and the outfall sluice lately improved by this Department near the tidal lock. The Sivaganga drain can be traced on the map from Anderson's Bridge skirting the town in a S.W. direction, passing under the Masulipatam Canal at the Suttanagaram Aqueduct and thence under the Sivaganga bridge on to the tidal estuary below the tidal lock.

4. It has been found, by levelling from Anderson's bridge along the drain, that the ground level between Anderson's bridge and the Suttanagaram Aqueduct is about M.S.L. and that H.T.L. corresponds to 3.3 feet on the floor of Anderson's bridge. It is, therefore, obviously impossible to drain the Swamp except at low tide, and during heavy rain, there is insufficient time for the water to run off before the rising tide checks the outflow.

5. Arrangements are now being made to gauge the discharging capacity during floods of the vents

vents of the Suttanagaram aqueduct and of the outfall sluice and if necessary proposals will be sent in for enlarging them. It is also under consideration to provide shutters and screw gearing at the Sivaganga road bridge to keep out high tides; but this will be of little benefit during heavy floods.

6. The plain fact of the matter is that the site of the town is altogether unsuitable, its growth is due to the facilities ^{for trade} offered by the roadstead and tidal creek and these advantages have been considered by the inhabitants to more than compensate for the discomfort caused by the annual floods. In order to effect any radical improvements, it would be necessary to spend large sums of money on embankments and pumping, and there is not the slightest probability of sufficient money ever being available.

7. I hope however, that it may be possible to effect some improvement at moderate cost

the duration of floods, and
the matter will receive careful
consideration during this monsoon.
I may mention that the outfall
sluice has only recently been
enlarged and fitted with screw
gearing and it will be possible
in a few weeks to form an opinion
regarding the necessity of
further increasing its discharging
capacity. Observations will
also be made at the Sutta-
nagarum Aqueduct and the
Swaganga Road bridge. These
proposals in my opinion con-
stitute all that this department
can carry out to improve the
drainage without involving
expenditure quite beyond the
means of a town like Masul-
ipatam.

I am the honourable
Sir,
Your Most obedt Servant,

K. S. Baddar
Major R. R.

2. 11. 91
Supd. Engrs. II Circle.

843A

3-7-94 N^o 16576
16-8-16 ✓

From

The Supg Engineer,
Dist. Engrs.

No: 2902 W. d. 13 November 1894

13

25/11

To

The Chief Engineer
D. W. D.
Chas. S.

Communicated
to the local & Municipal
Sept with reference
to L.O. dated 8th
June 1894, N^o 727 M
Local & Municipal

No 1783 N1

Recd: 6th 11.9.94

Dated 4 November 1894

CMS
7/54

S. C.

Masulipatnam town
- Improvements to
the drainage of -
Report on the -

DESPATCHED
14 NOV. 94

Lt. Col. Sept. 1894
J. C. C. 2/11