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# MADRAS RECORD OFFICE

Government of Madras

*Public Works* DEPARTMENT

|          |       |     |        |
|----------|-------|-----|--------|
| G.O. No. | 2564  | (9) | Press  |
| B.P. No. |       |     | Mis.   |
| Dated    | 8. 9. |     | 18 75. |

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,  
8th September 1875.*

Read the following —

No 998.

No. 162. *Note by the Chief Engineer for Irrigation*

THE return of tanks affecting the South-west Line of the Madras Railway in the Coimbatore District shows that many of these have recently been attended to and made safe

2 Column 5 of the return has not in some cases been fully filled in Most tanks, even when receiving their principal supply from river channels, have catchment basins, and the areas of these should be ascertained and noted

3 The Nilamboor tank is stated to have a drainage basin of 36 square miles, and a capacity of only 850,000 cubic yards or storage for from 120 to 170 acres Its circumstances require, it is thought, to be inquired into, as the drainage should suffice to supply 900 or 1,000 acres, and a petty tank with so large an area must be expensive to maintain and the progress of silting can hardly fail to be very rapid

4 Somewhat similar remarks apply to the Dalvoyputnam tank with its 10 square miles of basin and 558,475 cubic yards capacity, about sufficient for 80 acres The dam stones not being required should be removed

5 The Chengapully tank is another instance of capacity out of all proportion to drainage basin It holds about enough water for 50 acres, and 400 acres would be about the proper area of irrigation under a basin of 16 square miles

6 The next six tanks, beginning with the terminal Pootoor tank, form a small group This tank has a basin of 53 square miles above it, and the dimensions of the surplus weir must be determined with reference to the whole basin, and not the part, 12½ square miles, which drain directly into it Apparently 3 feet of water may be allowed as a maximum to pass over the weir, and then about 400 feet of escape, instead of the 125 feet entered as required, will be necessary With the 2 feet difference between F T. L and M W. L, shown in column 7, the required length would be about 740 feet Circular 63, paragraph 4, appears to have been overlooked The surplus arrangements of the other tanks of the group similarly require looking into

7 The names, and point at which surplus crosses the railway, of the eleven tanks referred to in paragraph 2 of the Superintending Engineer's letter, should have been entered in the return, although the particulars needed regarding them had not been ascertained when the return was prepared.

OOTACAMUND,

27th August 1875

(Signed) JOHN MULLINS, Lieut -Colonel, R E,  
Chief Engineer for Irrigation

No 163

ORDER THEREON, 8th September 1875, No 2,564.

IRRIGATION, No 15

THE attention of the Superintending Engineer should be given to the remarks in the foregoing note, with a view to the entries in the next return being made more complete and correct, and to the circum-

Proceedings of the Madras Government, Public Works Department,  
8th September 1875.

stances of those tanks which are extremely small compared with their catchment  
basins being ascertained.

(True Extract)

Major-General, R E,  
Secretary to Government

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No 998  
Note by the Chief Engineer for Irrigation.

The return of tanks affecting the South's  
West line of the Madras Railway in the  
Coimbatore District shows that many  
of these have recently been attended to  
and made safe.

2- Column 5 of the return has not in  
some cases been fully filled in. Most tanks  
even when receiving their principal supply  
from river channels, have catchment basins,  
and the areas of these should be ascertained  
and noted.

3- The Kilamhoor tank is stated to have a  
drainage basin of 36 square miles and a  
capacity of only 850,000 cubic yards or storage  
for from 120 to 140 acres. Its circumstances  
require, it is thought, the enquiry into as  
the drainage should suffice to supply 700  
or 1000 acres and a petty tank with so large  
an area must be expensive to maintain  
and the progress of silting can hardly  
fail to be very rapid.

4. Somewhat similar remarks apply to the  
4. along putnam tank with its 10 square  
miles of basin and 558,475 cubic yards  
capacity, about sufficient for 80 acres.  
The dam stones not being required should  
be removed.

5. The Chengafully tank is another instance of capacity out of all proportion to drainage basin. It holds about enough water for 50 acres and 400 acres would be about the proper area of irrigation under a basin of 16 square miles.

6. The next 6 tanks beginning with the terminal Pootoo tank form a small group. This tank has a basin of  $5\frac{1}{2}$  square miles above it, and the dimensions of the surplus weir must be determined with reference to the whole basin, and not the part,  $12\frac{1}{2}$  square miles, which drain directly into it. Apparently 3 feet of water may be allowed as a maximum to pass over the weir and then about 400 feet of escape,

instead of the 125 feet entered as required,  
 all be necessary. With the 2 feet difference  
 between F.T.L and M.W.L. shown in column  
 the required length would be about  
 10 feet. Circular 63 para 4 appears to  
 have been overlooked. The surplus ar-  
 rangements of the other tanks of the  
 group similarly require looking into.

The names, and point at which  
 surplus crosses the railway, of the 11  
 tanks referred to in para 2 of the  
 Chief Engineer's letter should have been de-  
 tailed in the return, although the par-  
 ticulars needed regarding them had  
 not been ascertained when the return  
 was prepared.

Engineer for Irrigation

lacan. 1111  
August 1845

The Secretary of Government  
S.F.C.

Co 13 hwp/4 No 208-209  
Memo No 1012 of 14/3/74. Ch. B. J. J. J.

P. W. 1895 Dept.  
No: 5811

From

The Chief Engr.  
for Irrigation

Dated 27 Aug.  
Recd. 10 Sept. 1895

E 2... No: 998.

Note on the Return  
of Tanks affecting  
the Railway in the  
Comibatoe Dist.

Sf 2564 8-9-75.

102

No 2564 B.M. 12.50  
Pro. of the head of Government

Under date the 8 Sept 75

Read the following.

the Chief Engr. for Irrigation (N. E. 129982 of 27 Sept 75)

The attention of the  
Superintendent should be  
given to the remarks in  
the foregoing note with  
a view to the entries in the  
next return being made  
more complete and correct,  
and to the circumstances  
of those tanks which are  
extremely small compared  
with their catchment  
having being ascertained.

Comibatoe  
Ch. B. J. J. J. 5 note 27 Sept 75  
Ind. for 12

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Govt. of U.S. Section  
PUBLIC WORKS.

*Supervisor.  
Comptroller*

Date:

To:

By:

*8/2/14*  
60

*162-163*

*Return of Funds affecting  
the L. W. Line of the M. Ry.  
in the Comptroller's Dbr.*

*Passing orders on Note  
by the Chief Engr. for  
Irrigation on the*