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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

P. W DEPARTMENT

|                                       |        |
|---------------------------------------|--------|
| G.O. No. <u>1678 W</u>                | Press. |
| B.P. No.                              | Mis.   |
| Dated <u>15 - 7 - 1880</u> <u>187</u> |        |

V-S-11

Not to be folded or roughly handled

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

15th July 1880, No. 1,678 W.

Buildings and Roads.

Military Works.

Read the following paper:—

No. 70. From Major H. M. VIBART, R.E., Superintendent of Works, Presidency, to the Chief Engineer, Public Works Department, dated Chepauk, 20th April 1880, No. 248.

I HAVE the honor to forward a detailed report from Lieutenant Romilly regarding the lowering of the Ulsoor Tank weir at Bangalore.

- 1 Report with an Appendix, viz., estimation of rainfall discharges.
- 1 Sheet of longitudinal and cross sections of main drainage channel.
- 1 Tracing showing part of gathering ground of Ulsoor Tank.
- 5 Copies of letters marked A, B, C, D, and E.
- 1 Survey of Main Drain from Mallus Tank to Ulsoor Tank.
- 1 Sheet of longitudinal and cross sections of Ulsoor Tank.

2. It seems abundantly clear from this report that the raising of the weir three years ago could have had no prejudicial effect with regard to the drainage of the Cantonment Bazaars at Bangalore. It appears equally clear that the flooding of the streets in the vicinity of the Main Drain is attributable partly to the insufficient dimensions of the Main Drain to

carry off extraordinary heavy rain as fast as it falls.

3. Another probable reason is the insufficiency of the street drains to pass off very heavy falls of rain at once.

4. The construction of the upper tank undertaken during the famine year is a great improvement to the Ulsoor Tank, as the water in the lower tank is found to be much clearer than it formerly was, but the full benefit of the upper tank will not be obtained unless the Ulsoor lower weir is raised again as was done in 1877.

5. In 1872, there was in September a very heavy fall of rain, and the water in the tank rose to two feet on the weir. This cannot, I venture to think, ever happen again; the construction of the upper tank checks the flow of water into the lower tank (even after the upper tank is quite full), and the extra time thus given enables the weir to discharge a considerable amount of the Cantonment Bazaar drainage before the drainage from the larger feeder can find its way there.

6. The rainfall in October 1878 was heavier than that of 1872; yet the tank did not rise to the same level as in 1872. Under these circumstances I would urge, in the strongest possible manner, that the Ulsoor weir should be again raised 9 inches; by this means twenty-one millions of water (more than can now be stored) would be available; and in that case I venture to affirm that even if Bangalore suffers from drought as it did in 1876-77, the Ulsoor Tank will never be dry.

7. This advantage will be attained without the risk of any damage to the Cantonment Bazaars. No doubt some improvements are feasible with reference to the drains. The Main Drain might be enlarged, and the bridge over the drain carrying St. John's Road raised with great advantage, while the subsidiary drains leading into the Main Drain should without doubt be enlarged and improved.

*P.S.*—I may remark in conclusion that Lieutenant-Colonel Johnson\* in his letter No. 2,293-B to the Assistant Quartermaster-General, dated 6th September 1878, acknowledges that "there appears to be no doubt that the feeding channel through the town is of insufficient capacity to carry the supply during heavy rains."

No. 71. ORDER THEREON, 15th July 1880, No. 1,678 W.

It has already been decided that the weir of the Ulsoor Tank should be reduced to its original level, which reduction has been carried out.

2. The Government are not disposed to re-open the question.

(True Extract.)

Major, R.E.,  
Under Secy. to Govt., P.W.D.

To the Superintendent of Works, Presidency.  
" Military Department.

Edw. A. Grubert.  
Spare Copies

BUILDINGS AND ROADS.  
MILITARY WORKS.

Gobt. of (1880) Madras.  
PUBLIC WORKS.

To  
THE SUPERINTENDENT OF WORKS,  
PRESIDENCY.  
Cc., Cc., Cc.

Dated July, 1880.

Issued

Recd.

Recd.

G. O., 15th July 1880, No. 1,678 W.

JULY.  
Nos. 70-71.

Uluor Tank Weir, Bangalore. — Remarking  
that the Government are not disposed to  
re-open the question regarding the lowering  
of the —

N. 24, 8

From

The Superintendent of Works,  
Presidency.

To

The Chief Engineer,  
D. P. W.

Sir,

I have the honor to forward a detailed  
report from Lieutenant Romilly regarding  
the lowering of <sup>the</sup> Uluor Tank Weir at  
Bangalore.

It seems abundantly clear from this  
report that the raising of the Weir 3 years  
ago could have had no prejudicial effects  
with regard to the drainage of the Cantonment  
Bazaar at Bangalore. It appears equally  
clear that the flooding of the streets in the  
vicinity of the Main Drain is attributable  
partly to the insufficient dimensions of the  
Main Drain to carry off extraordinary heavy  
rain as fast as it falls.

Another probable reason is the insufficiency  
of the street drains to pass off very heavy  
falls

Enclos.

1. Report, with an  
Appendix, viz: Estimation  
of Main Drain Discharges.
1. Sheet of Longitudinal and  
Cross Sections of Main  
Drainage Channel.
1. Drawing showing plan of  
existing ground of Uluor  
Tank.
5. Copies of letters marked  
A, B, C, D, and E.
1. Survey of Main Drain  
from Uluor Tank to  
Uluor Tank.
1. Sheet of Longitudinal and  
Cross Sections of — D.C. —

falls of rain at once.

The construction of the Upper Tank undertaken during the famine year, is a great improvement to the Ulloor Tank, as the water in the lower tank is found to be much clearer than it formerly was, but the full benefit of the Upper Tank will not be obtained unless the Ulloor lower Weir is raised again as was done in 1877.

In 1872, there was in September a very heavy fall of rain, and the water in the tank rose to 2 feet on the Weir. This, cannot, I venture to think, ever happen again, the construction of the Upper Tank checks the flow of water into the lower tank (even after the upper tank is quite full), and the extra line thus given enables the Weir to discharge a considerable amount of the Cantonment Bazar drainage before the drainage from the larger feeder can find its way there.

The

The rain fall in October 1878 was heavier than that of 1872, yet the tank did not rise to the same level as in 1872. Under these circumstances I would urge, in the strongest possible manner, that the Ulloor Weir should be again raised 4", by this means 21 millions of water (more than can now be stored) would be available, and in that case I venture to affirm that even if Bangalore suffers from drought as it did in 1876-77, the Ulloor Tank will never be dry.

This advantage will be attained without the risk of any damage to the Cantonment Bazaars. No doubt some improvements are feasible with reference to the drains. The Main Drain might be enlarged, and the bridge over the drain carrying St. John's road raised with great advantage, while the sub-drains leading into the Main Drain should, without doubt, be enlarged and improved.

L

I have the honor to  
Sir,

Your most obedient servant,

Henry M. Sibart Major R.E.

Superintendent of works  
Presidency.

Chapank. }  
20<sup>th</sup> April 1880 }

cc. d. l.

P.S. I may remark in conclusion that Lieut.  
Col. Johnson in his letter No. 2298 B to the  
Hon. Mr. General, dated 16 Sept. 1878 -  
acknowledges that "there appears to be no  
doubt that the feeding channel through the  
Towm is of insufficient capacity to carry  
the supply during heavy rains."

\* Temp. Eng.  
Engineer, Mysore

H. M. S.  
S. W. Massey

1673/w  
5

1818  
1819

Dec 1818 to Feb 1819  
81 87 88

✓ 9/5/97  
Govt. of 1880, Madras  
PUBLIC WORKS.

17-7-86

15 July 1886

Major South to Sir  
Bangalore.

I am writing to the  
Govt. are ~~not~~ not has  
been to, upon the matter  
regarding the forwarding of the

Mas' no 3227 W 15<sup>th</sup> 1880  
 20/7/79  
 Mas' no 2533 A.W.D.  
 2533 A.W.D. 7.6.1880  
 Q. Q. 26 July 1880 no 439  
 8440

P.W.D.  
 814380  
 The Supt of Works  
 Residence.

No 218

dated 20<sup>th</sup> April 1880  
 Recd  
 Encls. 6

Ulloor Tank Weir, Bangalore  
 forwards a detailed report  
 from Lt. Romilly regarding  
 the lowering of the —

Cir 12.7.80. Ltr 13.7.80  
 O. 8.7.80 7.15.7.80

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the 15 July 1880  
 Read the following:—

The Supt of Works  
 Presidency

It has been decided that the  
 of the Ulloor tank  
 should be carried out  
 in original form  
 and the following to be  
 carried out.

M

M

The Government have  
 been informed by the  
 of the following

Report of the Supt of Works  
 dated 20 July 1880  
 287-82