[L. & M.
9,000-8-8-96.]

Local & Munl. (1896) Department.

MISCELLANEOUS.

G.O., No. 1284 M

DATED 3rd August 1896

[Despatch Abstract.]

Water-supply.

Recording, pending report from the Chief Engineer proposals of the Sanitary Engineer for augmenting the supply of water at the Tanjore water-works.

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.
G	248		9/4/98				

S. E./6. - 25-2-96 - 1,000.

No. 1075 urgent

GOVERNMENT OF MADRAS.

OFFICE OF SANITARY ENGINEER,
Fort St. George, 9 April 1896.

From

J. A. JONES, ESQ., MEM. INST. C.E., F.R.S.E.,
SANITARY ENGINEER TO GOVERNMENT,

To

The Chief Secretary to Government
Local and Municipal Depart.
Through the Chief Engineer
Public Works Department.

SIR,

I have the honor to inform you that the Chairman of the Municipal Council of Tanjore wired me on 31st March 1896 that the Water Supply from the river bed was running short and informed me that he had written the Executive Engineer, Public Works Department, Tanjore Division to allow a supply to pass down the Vennar. The Executive Engineer to-day informs me that no water is available. Pending the result of the application to the Executive Engineer I advised Chairman to cut a channel down the river to augment the supply but what the result of this has been I am not aware.

2 The Chairman's last report dated 5th April 1896 was as to the following effect viz that the water was so short that none was available after 3 P.M.

3. Last year when the works were under construction the level of water on 31st March 1896 was 117.50 this year when Chairman wired it was only 114.00 and usually there is water which can be let down from above the head sluices of the Vennar.

4. Every effort will be made to keep up a partial supply but no additional works can be constructed this year to ensure a sufficient supply as the river will be in flood next month.

5. There has been of course always some doubt as to whether enough water would be obtained by the filter during these two months of April and May (as no water is likely to come down the Vennar before the middle or end of this latter month); in anticipation of such a position as now exists a well was formed at the South West corner of the filter bed to which water from other wells, which were to be sunk further up the river, was to be conducted.

6. The proposal, to increase the supply during the months of April & May by driving further wells above the site of the works, is I think inferior to the following plan which I suggest should be estimated for; if approved, arrangements should be made to xecute the work at the end of this year so that there may be a full supply during next April & May.

7. The proposal is to erect a set of sluices across the river just below the filter bed, these sluices to be lifting sluices (Stoney's preferably) and to be raised during the time the river is in flood but to be closed down when the river is falling so that 2 to 3 feet of water be maintained above the river bed and sufficient water would then be available to the filter during the months in question.

8. It is however desirable to previously determine whether water cannot under existing arrangements be stored higher up the river & retained until wanted during the two months in question. It was always understood there was such a storage of water & the fact, that this year there is none, comes somewhat as a surprise. The want of water will cause considerable inconvenience in Tanjore but where a supply is derived from subterranean sources as this supply is for four or five months the determination of the sufficiency of the yield or otherwise is a question which can be only determined by long and steady pumping as has been the case from the Vennar

9. I send this letter through the Chief Engineer so that he may express his opinion generally as to the proposal made. It is desirable that if the work is generally approved materials & plant should be all collected and in readiness before the closing months

of

of the Calendar year. If the proposal is generally approved plans & estimates will at once be prepared.

I have the honor to be,

Sir,

Your most obedt. Servt.

Sanitary Engineer to Government

P.S. There will be about Rs 25,000 available of savings, to go towards the cost of the work.

No. 2581 Way 21-8-88
" 1517 W " 15-6-86
" 1908 C " 21-11-85
" 532 E " 27-8-85
" 1688 W " 20-7-85
" 1642 W " 18-6-79
" 1641 W " 18-6-79
" 3168 W " 6-8-78
" 2478 W " 13-6-78
" 1687 W " 3-4-78
" 63 W " 11-6-77
" 48 " 5-1-97
" 3070 C " 11-8-88
" 1721 C " 3-4-89
" 4308 C " 26-9-89
" 1149 C " 3-3-90
" 1206 C " 5-3-90
" 2215 C " 14-5-90
" 2374 C " 23-5-90
" 2742 C " 20-6-90
" 4678 C " 24-10-91
" 583 C " 9-2-93
" 1327 C " 20-3-93
" 1328 C " 20-3-93
" 1568 C " 6-4-93
" 1165 C " 11-3-93
" 1654 C " 10-4-93
" 432 W " 17-2-93
" $\frac{1021 C}{A}$ " 4-3-93
" 2213 C " 1-6-93
" 2348 C " 15-6-93
" 572 W " 2-94
" 630 D " 20-7-94
" 4253 C " 12-12-93
" 378 C " 26-1-94
" 572 W " 2-3-94
" 1058 W " 24-4-94
" 629 D " 23-7-94
" 890 D " 29-8-94
" 3646 C " 17-11-94

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I have the honour to be,
Sir,
Your most obedt. Servt.

Sanitary Engineer to Government

P.S. There will be about Rs 25,000 available of savings, to go towards the cost of the works.

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" 890 D " 29-8-94
" 3646 C " 17-11-94

S.E./4 25-5-94-500.

P. W. Current No.
~~Sanitary Current No:~~ 67

Recd: 10-4-96

1896.

From
The Sanitary Engineer
to Government,

To
The Chief Secretary
to Government
Local & Municl Dept

Through
The Chief Engineer
P.W.D.

No. 1075

Dated 9
Despd. 9
Recd.
april 1896.

Enc.

Subject.

Tanjore water supply.

Submitting for approval certain proposals to augment the supply during the dry months.

1
125 of Misc

Ofl 5.

Letter from the Sanitary Engineer to Govt. No. 1075 dated 9th April 1896.

Note by the Chief Engine
P.W. Dept:—

No. 312.D. d/22d april 1896.

A general plan of the works is what I want to see. It appears to me that the Sanitary Engineer's proposal to build sluices across the river would interfere with irrigation and that the extra well system will have to be adopted but without a general plan I can give no definite opinion.

(Sd) D. McN. Campbell.
Col R.E.
Chief Engineer P.W.D.

Ootacamund
22d April 1896

Forwarded

Municipal Dept.
RRENT No. 125 M

No 32 D. of 22d April 1896.

Forwarded to

the Chief Secretary to
Government, Local and
Municipal Department.

D. W. Campbell Colonel R.E.,
Joint Secy to Govt. P. W. Dept.

CHIEF SECRETARIAT
22 APR. 1896
GOVERNMENT

To,
The Local & Munl. dept.
with original paper.

Cons
20/7/96

[2] LOCAL AND MUNICIPAL DEPARTMENT.

664 ... 11-4-96
122 P.W.C. No
1309 ... 22-4-96
37 ... 16-1-94
1938 ... 5-11-91

Local & Municipal Dept.
CURRENT No. 1257 M

Encls. 4
& 2 plans,

From

The Public Works Department

Recd 9/5/96
C.S.
Endorsement No 529 d/ 7-5-96

E

Returned to the Public Works Dept. with the plans required by the Chief Engineer

W.W. Phillips
Og. Asst. Secretary.

4/5/96.

No. 32 D

Dated 22-4-96
Received 27-4-96
Enclosures /

SUBJECT.

Forwarding note by the Chief Engineer P.W.D. regarding Tanjore water supply.

For orders
Curry
9.5.96.

1592 M

P.W.Department.

Endorsement in the Local & Municipal Dept. No. 529, dated 7th May 1896.

Note by the Chief Engineer,
P.W.D.

No. 300 D d/ 1st June 1896.

I approve the suggestion in para 7 of letter No. 1075 dated 9th April 1896 from the Sanitary Engineer to the Chief Secretary to Government Local and Municipal Department and estimates for the proposed work -- should be submitted as soon as possible. The Chief Engineer for Irrigation to whom I referred the matter to see if there were any objections from an Irrigation point of view -- suggests that the regulator might be built in combination with the -- existing bridge over the Vennar; -- this should receive the attention of the Sanitary Engineer as a considerable saving in cost might be effected thereby.

(s/d) D. McNeil Campbell. Col. R.E.
Chief Engineer, P.W.D.

Ootacamund.
29th May 1896.

No. 301 D d/ 1st June 1896

Forwarded to the Local and Municipal Department.

D. McN. Campbell Col. R.E.,
Joint Secretary to Govt. P.W.D.

The Local & Municipal Dept.
with papers in original.

LOCAL AND MUNICIPAL DEPARTMENT.

Local Dept.
1921

Eqd 2/6/96

From

The Public Works Department.

No. 301/D

Dated 1-6-96

Received 3-6-96

Enclosures 2 plans

SUBJECT.

Forwarding correspondence regarding the Tanjore water supply.

P.W.D./96

G.O. 664 of /96 sent to P.W.D. for ccco 3746
returned with ccco 2050 of /96

6/6

S.E. C. 25-2-96—1,000.

No. 1151

GOVERNMENT OF MADRAS.

OFFICE OF SANITARY ENGINEER,
Fort St. George, 15 April 1896.

From

J. A. JONES, ESQ., MEM. INST. C.E., F.R.S.E.,
SANITARY ENGINEER TO GOVERNMENT,

To

The Chief Secretary to Government
Local and Municipal Dept.
Through the Chief Engineer, Public Works Dept.

not comd
Called for 28th April 1896

~~Papers on the subject appear to have been put up with a "Sanitary" current and sent to W(orks) on 11th April 96~~

Mis 31 Dd/22-4-96
32

SIR,

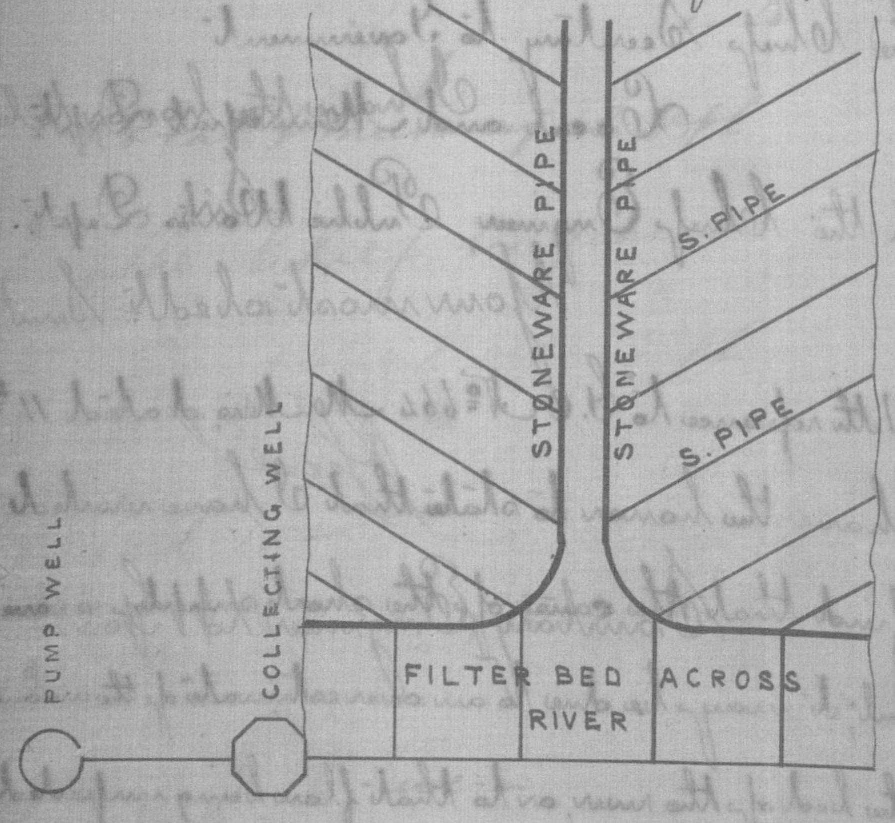
With reference to G.O. No. 664 M. Mis, dated 11th April 1896, I have the honor to state that I have visited Tanjore and find that the cause of the short supply is somewhat doubtful; it may be due to an overestimate of the amount of subflow in the bed of the river, or to that flow being impeded by beds of clay &c in the river bed. A channel has been cut in the bed of the river which allows of a supply to the town being given between 5 A.M. & noon and from 3 to 7 P.M. The supply during these hours is ample and at the same time the waste of water is very great; to remedy this I have suggested certain measures to the Chairman which will no doubt be attended to. A careful record will now be made daily of the decrease in the water level which is still 3 feet above the top of the filter bed.

L No: 31 Dd/22-4-96
ccco 1257/96

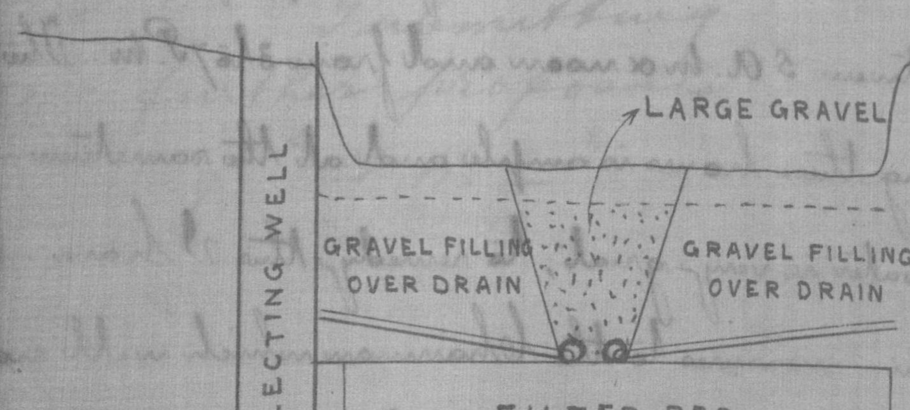
In my No. 1076 dated 9th April 1896 I proposed certain

ertain measures for increasing the available supply of water in the bed but as it is likely there is a sufficient supply below the bed I have now the honor to suggest another plan to enable that flow to reach the filters unimpeded.

3. And it is this - to lay for some 1200 feet up the river a line or two lines of pipes ~~buried~~ in gravel with cross feeders to the centre line at each 100 feet apart thus



SECTION



4. But I suggest that neither plan be decided upon until the lowest water level (in this exceptionally low level year) be ascertained at the beginning of the Flood Season when the Chief Engineer through whom I am replying to this letter will be able to decide which is the better plan or whether any further works at all are necessary.

I have the honor to be,
Sir,
Your most obedt. Servt.

Sanitary Engineer to Govt.

No. 3746

1896

20-4-96

From

The Sanitary Engineer
to Government

To

The Chief Secretary
to Government
Local & Municipal Dept.

thro' the Chief Engineer
Public Works Dept.

No. 1151

Dated 15th
Despd 15th } April 1896
Received

Enc –

Tanjore Water Supply

Submitting his further proposals to augment the –

30! D

1
2050 M of 96

O. L. S. 30

W
8 July 96

No. 7500

Government of Madras.

PUBLIC WORKS DEPARTMENT.

Local & Municipal Dept.
No. 2050 M

MEMORANDUM.

Dated ~~Madras~~ Ootacamund 14 July 1896.

Letter from the Sanitary Engineer No. 1151 dated 15 April 1896.

Note by the Chief Engineer P. W. Dept No. 749 D dated 14 July 1896 :—

As suggested in para 4 of Mr Jones' letter I defer giving any opinion on the different methods proposed by him for augmenting the water supply till the lowest water level has been ascertained.

(S.) D. McN. Campbell Col. R.E.
Chief Engineer P. W. Dept.

P. W. 41
2,000—6-3-96.

Transferred

Transferred to the Local and Municipal Dept.

J. W. [illegible] Colonel R.E.
Joint Secy to Govt. P.W.D.

16 JUL. 96

To,

The Local & Municipal Dept.
with papers in original including
G.O. No 664 L & M dated
11 April 1896.

LOCAL AND MUNICIPAL DEPARTMENT.

Local ical Dept.
2050 M.

N.S. 67

Cuo 1592 M/96
Ens 529/96 M.C.

From

The Public Works Department

No. 750 D.

Dated 14-7-96

Received 16-7-96.

Enclosures 1 + ~~G.O. 669 M. Mis. dated 11-4-96~~

SUBJECT.

Transferring note by the Chief Engineer P.W.D. regarding the Tanjore water supply

Cuoo 1257, 1592 & 2050 M. N.S.

C. S.
Misc.

Order No. 1284 Mun: d/ 3-8-96

Recorded pending further report from the Chief Engineer.

V.A. 21/7/96

W.W.D. 23.7.96

11/8/96

Desp. 11/8/96

To The P.W. Department
" Sanitary Engineer (with plan of filtration)

20/7

30/7

When given for copying
When copied
When examined
When signed

189 .

READ AGAIN G.O., No. DATED 189 ,

CURRENT No.

ENCLOSURES TO C. No.

ORDER OF GOVERNMENT .. .. .. A A A A A A A

LETTER OF GOVERNMENT.

STATEMENT WITH DITTO.

PAPERS NOT FILED UP, BEING MEANT FOR DESPATCH IN ORIGINAL.

N.B.—
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