

Local & Munl. (189⁶) Department.

MISCELLANEOUS.

G.O., No. 840 *m*

DATED 15th May 1896

[Despatch Abstract.]

Construction of a Service Reservoir at the Head Water-works Madura Municipality.

Stating that the Government is not prepared to make any contribution from Provincial funds on account of the proposed construction of a service reservoir at the head water-works and that the council will be well advised to await the effect of the proper opening of the Periyar works on the water-supply of the town.

BACK PAPERS.

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

FURTHER PAPERS.

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

No. 22

Municipal Office

Madura 31st March 1896

Municipal Dept.

From,

M. R. G. Srinivasa Rowthot. B.A.

Chairman Delegate, Municipal Council,
Madura.

To

The Chief Secretary to Government,

Fort St. George

Madras

Sir,

I have the honor to state that the Deputy Sanitary Commissioner in his inspection notes of this Municipality dated 10th October 1895, suggested the advisability of constructing a reservoir near the Pumping Station capable of holding one or two days supply to obviate the danger and inconvenience of occasional failure of supply. His suggestion was referred to the Sanitary Engineer to Government for necessary action, if any, being taken. The Sanitary Engineer in para 3 of his letter No. 22/ dated 24th January 1896 (Copy enclosed) stated that the construction of a service reservoir would cost about Rs 56,000 and desired to know whether the Municipality was prepared to incur this large expenditure. This letter was

was placed before the Council at its meeting held on the 25th March 1896. Before deciding one way or the other, the Council desired to ascertain whether any contribution may be expected from Provincial revenues.

I therefore request the orders of Government on the subject.

Extract from the notes of inspection is also enclosed for reference.

I have the honor to be,

Sir,

Your most obedient servant

G. V. V. V. V.
Chairman
Delegated.

Enc. 2

Government of Madras

Office of Sanitary Engineer
Fort St. George 24th January 1896.

No. 221.

From, J. A. Jones Esq., Mem. Inst. R. S. E.
Sanitary Engineer to Government.

To The Chairman,
Municipal Council, Madras.

Sir, I have the honor to inform you in reference to your no. 57 of 20th January 1896, that no Stoppage is reported during the time of inspection of Deputy Sanitary Commissioner, in fact more water was being pumped than usual.

2. As to the Drivers remark in regard to straining the engines it can only be characterised as absurd and it is a pity it should find a place in an official report. There are no faulty joints.

3. To erect a service reservoir at the head works would cost a large sum of money perhaps ^{about} Rs 56,000 and I will be glad to know whether the Municipality is prepared to meet that expenditure.

3. There is no reason why pumping should not go on night and day (with a reservoir, night pumping would not be necessary). This would require an extra staff and extra fuel. That would cost about \$128/- for staff per month and 4/8 extra for fuel $\frac{1}{2}$ p. per diem.

$$\text{\$ } 128 \times 12 = 1536$$

$$\text{\$ } 4\frac{1}{2} \times 365 = 1642$$

$$\text{\$ } 3178 \text{ annually.}$$

4. The interest on \$56,000 @ 5.96 % would equal \$3,340 or in fact one expense would equal the other and the plan of a Service reservoir would be more satisfactory.

5. I will be glad to receive a copy of the analyses of the water when received from the Chemical Examiner.

I have &c

Signed / J. A. Jones.

Surg. Engr. to Govt.

(True copy)

G. Brinkley

Chairman
Delegate.

ENCLOSURE No. 1

In a letter

FROM,

THE CHAIRMAN,
MUNICIPAL COUNCIL,
MADURA.

No. 22

Dated 31st March 1896.

No.

Copy of letter from the
Sanitary Engineer to Govern-
ment No 221 dated 24th
January regarding Service
Reservoir.

Extract from the Inspection Notes of Inspector of
Vaccination and Deputy Sanitary Commissioner
Madura Municipality.

Inspected 14th to 19th August 1895.

x

Reply

x

Inspection notes.

2. Water Supply. Drinking
water is now supplied from
the works recently opened near
the village of Arapaliyam.
An infiltration gallery
across the bed of the river
Vaigai supplies a large
well sunk on the banks from
which the water is pumped
through pipes into the town.

The Supply is uncertain, during
my visit, it failed and during
the hot season it frequently
falls short. There are three
engines of which only one
works at a time and this
only during the day. The Driver
in charge informs me that the
engine

Engines suffer from "the strain thrown on them in compressing the air in the pipes when work commences in the morning".

Some of this air is of course sucked in from open taps, but it is not improbable that a certain amount enters through faulty joint, when the pipes are empty. The danger of an intermittent system with pipes laid through such a sewage soaked site as that of the town of Madura is manifest.

Both this danger and the inconvenience of occasional failures of the supply might be obviated by the construction of a reservoir near the Pumping works capable of holding one or two days supply. By this means when plenty of water is available in the river extra engines could be put to work and the reservoir kept full, the pipes would also

These remarks will be referred to the ~~Sanitary~~ Engineers to Government for necessary action if any being taken.

A sample of water will be sent to the chemical examiners for analysis.

also be full and the danger of suction minimized. The engines would be fully utilized, ^{and relieved} and there would not be any necessity for constantly refunding water tax on account of failures in the supply. No doubt the opening of the Periyar Scheme will ensure against failures in supply, but it will not effect the question of empty pipes at nights and air suction. I am informed that the water from the taps in the town often smells badly. It would be well to have samples of water both from the well at the pumping station and from the taps sent to the chemical examiners for analyses and comparison. Owing to the frequency of failure of the pipe supply several wells in the town are still resorted to for drinking purposes. A list of

of these wells should be pre-
pared and all should be
properly conserved. At present
there are low parapet walls
inside of which persons stand
to draw water, or on a stone
placed right across the mouth
of the well. These stones should
be removed, the parapet walls
raised and cross beams and
pulleys provided. Several people,
chiefly Brahmins still resort
to the river and draw their
water from pits dug in its
sandy bed. The bed of the
Villapuram tank near the
Toll Gate is very largely re-
sorted to for purposes of
bathing. As the well on the
bank of this tank is largely
used for drinking purposes,
efforts should be made to
keep its surroundings pure
and clean.

This is being attended to.

Fort St. George (Signed) G. Mallins
4th October 1895 Surgeon Major
Keps. Ag. Inspector of Vaccines &
Dy. Sanitary Commissioner

(True copy)
G. M. V. S. R.
Chairman, Delegation.

ENCLOSURE No. 2

In a letter

FROM,

THE CHAIRMAN,

MUNICIPAL COUNCIL,

MADURA.

No. 22

Dated

31st March

1896.

No.

Extract from the Inspection
notes of the Deputy Sanitary
Commissioner on Madura
Municipality regarding
water supply.

2/10/88
1058
Madura

1896.

LOCAL AND MUNICIPAL

DEPARTMENT! Dept.

CURRENT No. 1088m

FROM

THE CHAIRMAN,

MUNICIPAL COUNCIL,

MADURA.

No.

ENCLOSURE 2 Two

Dated

Received

31st March 1896

CHIEF SECRETARY
-4 APR. 1896
GOVERNMENT OF MADRAS
No. 22

SUBJECT.

Soliciting orders of Government on the proposed construction of a Service Reservoir at the Head Water works.

983 829-12-95
261 12-2-96

LOCAL AND MUNICIPAL DEPARTMENT.

Again G.O., dated

Current No. 1088 m. of 189 b, dated

Current No. of 189 , dated

189 , No.

31st March from the Chairman, M.C. Madras
from the

FOR ORDERS.

Geo. 261 m.
12-2-96

I think it is too soon for Madras to look for any further grants from Govt. - Other towns must have their turn. Besides, the effect of the proper opening of the Peigar works should be awaited

BS
8/5/96

In para. 2 of his notes on the inspection of the Madras Municipality, the Deputy Sanitary Commissioner suggested the desirability of constructing a reservoir near the pumping station capable of holding one or two days' supply of water, with a view to alleviate the danger arising from an intermittent supply and the inconvenience of occasional failures. The Sanitary Engineer, who was consulted by the Municipal Council on the matter, stated that the construction of a Service Reservoir at the head-works estimated to cost Rs. 5000 would be a most satisfactory method of remedying the evils referred to, than that of working the engines both night and day which might be somewhat cheaper and desired to know whether the

the Council was prepared to incur this large expenditure. The municipal Council now ^{asks} requests whether any contribution may be expected from Provincial funds on this account.

2. The Government contributed a moiety of the initial cost of the scheme and the proposed service reservoir is a permanent addition to the works. Considering that the budget for 1896-97 closed with a balance of only Rs 5790 or 3.7 percent of the receipts, it is not likely that the funds required for the construction of the reservoir can be found from the current revenues. In the absence, therefore, of any grant from Government, the Council will have to borrow the whole amount and the annual payment required to liquidate the loan, supposing it to be taken from Government, with interest at 4 percent in 30 years, will be Rs 3340.

3. From the Sanitary Engineer's letter in the current it does not appear that he considers the work a necessary one. If it is not a necessity

it is not reasonable that Govt. should contribute - but, if it is, it is submitted that the Council cannot well afford the whole cost. The San. Eng. may however be asked to state whether he considers the reservoir to be necessary to ensure a good supply of water to the town.

4. It would appear from para 4 of the ^{S. Eng.} Sanitary Engineer's letter to the Chairman that he considers the reservoir desirable though not necessary - It is clearly the latter. There are three engines pumping can be kept up day and night and this plan would be the cheaper.

Order No. 840 Minis 9/15-5-96
Considering the large grant that has recently been made to the Madras Municipality, the foot considers that it is too soon for the Council to look for any further contribution, as the claims of other towns, who have as yet received nothing, must be first considered. Before incurring so large an expenditure as that now proposed, the Council would, in the opinion of foot, be well advised to await

the effect on the water supply of
the town of the proper opening
of the Pinar works.

(from orders)

WWD
11.5.96

13/5/96

Construction of a Service Reservoir
at the Head water works -
Madura Municipality.

FOR ORDERS.

1088m-

(From orders)

H.M.

CS

810h

To
The Engineer in Charge
Sanitary Engineer
Dated 18/5/96

When given for copying
When copied
When examined
When signed

189

READ AGAIN G.O., No.
189

DATED

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. -

A = Copy in full.
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