

Local & Munl. (1899) Department.

MISCELLANEOUS.

G.O., No. 234 M.

DATED 20-2-99.

INDEXED.

RECORDED

[Despatch Abstract.]

Trichinopoly water works - Communicating
to the Sanitary Engineer the remarks of the
Chief Engineer on the state of the water
works at Trichinopoly.

BACK PAPERS.

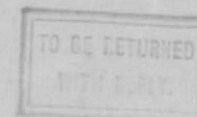
G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

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

P. W.
Local & Munl. (1899) Department.

CURRENT No. ~~326 m~~
1058



From

The Sanitary Engineer to Govt.,
Madras.

No. 10843-2-99
Order

Referred to the Chief Engineer,
Public Works Department, for favour of
remarks.

No. 112

Dated 25th. January 1899.

Received

Registered

Enclosures *nil*

Spare copies

A. Tremblay
Secretary to Government

V.R.
24/1/99

SUBJECT:

Trichinopoly Water Works.

Submitting his remarks on the points
noticed by the Superintending Engineer
and Chief Engineer on the _____
and on the verdict passed thereon in
G.O. No. 8 dated 3-1-99.

P.T.O.

BACK PAPERS.

G.O.	No.	Department.	Date.
1/6	98	hch	23-1-99
	54	hch	11-1-99
	8	hch	3-1-99
	2666	hch	30-11-99

FURTHER PAPERS.

G.O.	No.	Department.	Date.

S.E. 1,000-6-12-97.
6.

No. 112

GOVERNMENT OF MADRAS.

OFFICE OF SANITARY ENGINEER,
POONAMALLUR ROAD (PARK TOWN)
Fort St. George, 189
Madras, 25 January 1899.

From

LOCAL & MUNICIPAL DEPT.
J. A. JONES, Esq., MEM. INST. C.E., F.R.S.E.,
SANITARY ENGINEER TO GOVERNMENT,
CURRENT No. 326 m
To

The Secretary to Government,

Local and Municipal Department.

SIR,

With reference to G.O. No. 8, M.S., dated 3rd. January 1899, I have the honor to point out that, as regards one or two points, the Superintending Engineer and the Chief Engineer, P.W.D., are under a misconception as to the real facts.

Superintending Engineer's Report paras (5) & (7).

1. This statement must have been based on incorrect information. There is always sand coming into the screening chamber and the screens are of the greatest value because while the sand enters the river side of the chamber none of it passes the screens when they are in position; there are daily records in this office to prove this and the utility of the screening chamber is therefore manifest as it is said it would be under the condition of sand passing along the pipe.

Para 10 Superintending Engineer's Report.

2. I am not aware of any well such as that referred to. The original design for screening chamber showed three partitions; at present there are two and the altered design was approved by the Chief Engineer (Col Pennyquick); the omission of the third partition has had no effect on the efficiency of the scheme, but the above may be what the Superintending Engineer refers to.

Chief

CN 326 + 520 M/99

Misc No 234 memo 8/20/2/99
order H.M. 18/1/99

The Chief Engineer's remarks will be communicated to the Sanitary Engineer.

V.R.
15/2/99

H.M.
10/2/99

To

The Sanitary Engineer P.W.D.
Chief Engineer P.W.D.

Supd. 22/2/99

2
520/M/99

designs were approved of by the Chief Engineer, Public Works
Department.

I have the honor to be,

Sir,

Your most obedient servant,

Sanitary Engineer to Government.

P.S.

Since writing the above I have just received G.O.No.98 M,
Mis, of 23rd. January 99 and with reference to the Collector of
Trichinopoly's No.67 Rev: current would remark that the "breakdown"
viz an accumulation of sand in the wells was due to the same cause
as before which undoubtedly will occur again if the construction
of the ^{new} wells is not at once put in hand so as to reduce the draught
and consequent head on the wells. There was really no absolute failure
and the full supply was given within a day after hearing from the
Chairman.

I beg that a copy of this letter may be communicated to the
Collector of Trichinopoly whose desire for a committee (which has
been disapproved by Government) I am unable to understand, as surely
the Sanitary Engineer who designed and constructed the works has a
much more intimate knowledge of them than any Public Works officer
can have.

To my mind the works have proved as successful and with
really fewer failures than works of this description in other
parts of India have.

Sanitary Engineer to Government.

Local & Munl. (1899) Department.

CURRENT No. 520m



From The Public Works Dept.

Order

No. 9250

Dated 11-2-99

Received

Registered

Enclosures 3

Spare copies

SUBJECT.

Trichinopoly water works
Transferring Note by
the Chief Engineer P.W.D.
on the _____.

Owe:
1050/55

1/11/99

1/12

BACK PAPERS.

G.O.	No.	Department.	Date.
	Enst 108/998		

FURTHER PAPERS.

G.O.	No.	Department.	Date.

No. 9250.

Government of Madras,
Public Works DEPARTMENT.

MEMORANDUM.

LOCAL & MUNICIPAL DEPT.
CURRENT No. 520 M

Dated Madras, 11 Feb. 1899.

Endorsement in the Local and Municipal
Department No 108 dated 3rd February 1899

Note by the Chief Engineer P.W.D. dated
10th February 1899.

Transferred to the Local and
Municipal Department.

Arthur Col. R. E.
Ag. Secretary to Govt.

To.
The Local & Municipal
Department with
referred papers returned.

P. W. D.

Note by the Chief Engineer P.W.D.

Endorsement in the Local and Municipal Department
No 108 dated 3rd February 1899 on letter from the
Sanitary Engineer to Govt. No 112 dated 25th January 1899.

The Sanitary Engineer
is mistaken in supposing that
the Public Works officers, who
have been in any way connected
with the Trichinopoly water
supply works, have wished to
fix blame on him for the
undoubted mistakes that
have been made in the
design and location of the
works. It is easy to be wise
after the event. It is ^{to be} presumed
that if the whole thing had
to be done over again that the
first site chosen for the
head works, close to the Codamur
bridge, would not now be
chosen. The destruction caused
by the flood of 1893 showed
how unwise this choice was.
It is also to be presumed that

the present site would not be selected after the experience of the flood of 1896.

With regard to the number of infiltration wells it is still open to question whether the three extra wells sanctioned will remedy the present insufficient supply and whether there are not other causes at work to which the forcing of sand into the pump well may not be attributed wholly or in part. Mr. Jones is mistaken in supposing that he was the first to point out that there had been over-pumping in the infiltration wells. This had been already done by Mr. Russell. It is true that the latter from the result of experiments made by himself and the Assistant Railway Engineer had concluded from the evidence available at that time that there was also a break in the pipe in the screening well and

and the pump well, which was afterwards discovered by Mr. Jones in the following April, when for the first time sand was found entering the screening chamber not to be the case. But because there was no break this is no argument against the view that the pipe should have been placed in a culvert or what would have been cheaper of execution, in manhole wells. The possibility of inspecting such a pipe at any time is most desirable.

With regard to the screens and the relative diameters of screening well and pump well Mr. Jones is undoubtedly right. On the question whether the pump well should be inside or outside the engine house I agree with Mr. Jones though there are some who advocate keeping the pump well

main building.

Arthur R. E.

Ag. Chief Engineer P.W.D.

17 Feb. 99.

copying

189

, DATED

RES TO C. No.

RE 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.
- B = Not to be copied.
- P = Copy abstract only.
- Q = Copy heading only.

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520/m/99