

Local & Munl. (189⁶) Department.

MISCELLANEOUS.

G.O., No. 717 *M*

DATED 30th April 1896

[Despatch Abstract.]

Water-supply.

Informing the Sanitary Engineer, with remarks, that the work in connection with the Conjeeveram, --- should be carried out as sanctioned by Government.

BACK PAPERS.

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

FURTHER PAPERS.

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

[7]

INDEXED.

Miscellaneous.

LOCAL AND MUNICIPAL DEPT.

G.O., DATE 30-4-96
No. 7777.

When given for copying.

[Despatch Abstract.]

Water-supply

Informing the Sanitary Engineer with remarks, that the work in connection with the Conjeevaram — should be carried out as sanctioned by Government.

BACK PAPER, No.

OF 189

FURTHER PAPER, No.

OF 189

READ AGAIN ORDER OF GOVERNMENT, DATED
189, No. , MISCELLANEOUS.

ENCLOSURES.

CURRENT No.

STATEMENT WITH DITTO.

ORDER OF GOVERNMENT

STATEMENT WITH DITTO.

PAPERS NOT FILED UP, BEING MEANT FOR DESPATCH
IN ORIGINAL (not paged).

N.B.—

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Copied by

Examined by

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

GOVERNMENT OF MADRAS.

OFFICE OF SANITARY ENGINEER,

Fort St. George, 9 April 1896.

MEM. INST. C.E., F.R.S.E.,

SANITARY ENGINEER TO GOVERNMENT,

Chief Secretary to Government
Local and Municipal Department
Thro' The Chief Engineer, Public Works Department.

The scheme for the Water Supply of Coou-
ram received the sanction of Government on
7th June 1895. For various reasons chiefly because
of high level of subsoil water little has been done
up to date except preliminary works at the head
works and arranging contracts pipes & engines;
work is now about to vigorously begin.

2. The amount to be derived from
Subterranean supplies is always difficult to
estimate and though the arguments advanced
in the report apparently satisfied ^{then} the Chief
Engineer as to the adequacy of the proposals,
I feel owing to recent failures of supplies that
it would be well to have a report from the
Chief Engineer as to the probability of the
length of gallery being sufficient in the
present

present instance and as to whether the area drained is likely to yield the supply required, viz., 840,000 gallons per diem.

3. Full particulars of the subsoil water, levels and the rainfall are given in the report and a talug plan is sent herewith as well as the plan of the head works.

4. The following calculation is also made. The rainfall may be taken at 27". The total quantity collected per annum would be (the area draining to Tagavathi appears to be about 12 square miles)

$$12 \times 5280 \times 5280 \times \frac{27}{12} = 752,716,800 \text{ per annum} \\ \div \text{by } 365 = (\text{say}) 2,000,000 \text{ per day} \\ = 12,500,000 \text{ gallons per day}$$

Say that of the above $\frac{1}{10}$ can be obtained by percolation } = 1,250,000 galls per day.

This is only $1\frac{1}{2}$ times what is required. It all depends on whether more percolation can be expected and to drain to the river.

5. The gallery at present proposed goes only half way across the river; the next question asked therefore is - if the river will yield sufficient, is the gallery likely to be able to draw off all the water?

6. Pipe tenders will be received next week - a provisional tender has already been accepted for the engines and I have

the honor to request the favour of a very early expression of opinion (for it can be a matter of opinion and judgment only which can be confirmed only after the works have been in operation sometime) as to what the probabilities are and whether any alteration in proposals already made is at present necessary.

I have the honor to be,
Sir,

Your most obt. servt

H. Jones

Sanitary Engineer to Govt

del
alt

P. W. Current No
Sanitary Engineer No. 66

1896
Encls 3 (2 plans)
Deco: 10.4.96

From
The Sanitary Engineer
to Government

The Chief Secretary
to Government
Local & General Dept

Through
The Chief Engineer
P. W. D

No 1077

Dated 9th April 1896
Desp 93
Recd

Inc - 2

Subject

Stating that, in consequence
of the failures in water supplies,
it would be well to obtain a report
from the Chief Engineer as to the
sufficiency of the length of the
gallery, &c for Bangalore
water supply & requesting an
opinion whether any alterations
are necessary in the proposals
already made.

1
1225 A. W

Letter from the Sanitary Engineer to Gov. No. 1077
dated April 9th 1896

Note by the Chief Engineer

P. W. Dept. -
No. 29 D. 22nd April 1896

I certainly do not
think that the gallery
will draw off all the
water probably not more
than $\frac{2}{3}$ of it, the quantity
received per day, would
then be about 834,000
gallons or less than the
amount required.

2. The rainfall taken
by the Sanitary Engineer
is the minimum for 10 years
and is 10" below that of
any other years and in
any but an exceptionally
bad year the supply would

probably be sufficient.
3. The amount of water
that will be received
by percolation is exceedingly
uncertain and the only
thing that can be done
is to carry out the work
as sanctioned and
extend the gallery after-
wards if experience
shews that the supply
is insufficient.

(Signed) J. M. N. Campbell.
Colonel R.E.,
Chief Engineer P. W. Dept.

Obtained

22nd April 1896 }
Municipal Dept.
CURRENT No. 1225 A. M.

No 30 D. of 22nd April 1896

Forwarded

Forwarded to the
Chief Secretary to Gov.
Local and Municipal
Department.

J. M. N. Campbell Colonel R.E.,
Joint Secretary to Gov. P. W. D.

To,
The Local & Municipal Dept.
with original papers

CHD
20.4.96.

6.9.96

CHIEF SECRETARY
22 APR 1880
GOVERNMENT OF MARYLAND

1000
1000
1000

1000

?

?

2200

LOCAL AND MUNICIPAL DEPARTMENT.
Local & Municipal Dept.
CURRENT No. 1225A/M

From

The Public Works Department.

No. 30 D

Dated 22. 4. 96

Received 4-4-96

Enclosures 3^x (2 plans)

SUBJECT.

Forwarding note by the Chief Engineer
P.W.D. with the Sanitary Engineer's letter
regarding the Cojeveram water supply
scheme.

LOCAL AND MUNICIPAL DEPARTMENT.

Local & Municipal Dept.

CURRENT No. 1225A/M

From

The Public Works Department.

This is I believe the specimen
of the Conglomerate water mark
if the estimate has been mentioned
I have a I believe it has the
the time can be accepted

12/4/86

12/4/86

12/4/86

12/4/86

12

12/4/86

12/4/86

29-2,000-23-9-95.

In the second current the San Eng.
asks by telegram whether he can
accept tenders for the pipes for the
work. If the C.E.'s proposal to
carry on the work as sanctioned, is
approved, the San Eng. may be
informed by wire to accept the
pipe tenders at once.

WLD
23.4.96

24/4/96

I thought it was decided long
ago that pipes & engines — all
English stores, in fact — were to
be procured through the Sec. of State.
So I don't quite see what Mr. J. has
to do with accepting tenders. Perhaps
it may be that, matter of this scheme
having been previously sanctioned, the G.O.
& the above report has been held not to
apply thereto. If so, how can I say whether
tenders should be accepted for pipes without
info as to the rate of tender & the advice
from C.E. thereon? It seems to me a good
backbone the question in this way.

WLD
25/4/96

Note. To save delay the only reference put up
is the P.O. sanctioning the scheme — No others
appear to be necessary for a consideration
of this file.

Note. Please see C.E.'s note
on the back of the telegram, wherein
he says that the pipe tender may be
accepted, if the scheme has been sanctioned,
which was done in G.O. 9.9.95.
Does this with to see the 7.4.96
rate of tender No. 26.4.96

Conjeevaram Water Supply

FOR ORDERS.

H. E. THE GOVERNOR.

THE HON'BLE MR. H. W. BLISS, C.I.E.

THE HON'BLE MR. J. GROSE, C.I.E.

Is submitted to H. M. with
note in 2d ink on reverse back.

WLD
25.4.96

Verywell — I overlooked this.
If the C.E. is satisfied with the terms
of the tender that is sufficient. I wish
a matter on which I have any
knowledge. I must rely on the C.E.

WLD
27/4/96

[G.]
24.
1,000—15-11-95.

DEPARTMENT.

Papers to be read in proceedings:—

Again G.O., dated

189 , No.

Again G.O., dated

189 , No.

Current No. 1225 Am. of 1896, dated 22 April from

P. W. D.

" " 1227 Am. " 1896, " " " "

" " " 189 " " " "

ORDER.

No 717 min's 30-4-96
The Sanitary Engineer with be informed that
the work should be carried out
as sanctioned, & that, if it is
subsequently found to be necessary
with the previous sanction of Govt.
the design may be altered, by extending
the gallery. In these circumstances
the tenders for pipes may be accepted
at once.

(from orders) WLD
28/4/96

WLD
28.4.96

To

The Sanitary Engineer with plans
Public Works Department.

+ and separately

WLD
1/5/96

FROM ORDERS.

C. S.

When given for copying _____
 When copied _____ } 189
 When examined _____
 When signed _____

READ AGAIN G.O., No.
 189 ,

DATED

CURRENT N.

ENCLOSURES TO O. No.

ORDER OF GOVERNMENT

A A A A A A A

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