

R
L. & M.
9,000-8-5-95.
Local & Munl. (1895) Department.

MISCELLANEOUS.

G.O., No. 154 *m*

DATED 2nd February 1895

[Despatch Abstract.]

Cement Pipes.

Requesting, with remarks, the Sanitary Engineer to report whether he has tested the---manufactured by Messrs. Arbuthnot and Company, and informing him that he should endeavour to give these pipes a trial on a limited scale should an opportunity arise.

BACK PAPERS.

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

FURTHER PAPERS.

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

S.E. 23-7-94-1,000.

No. 106

GOVERNMENT OF MADRAS.

OFFICE OF SANITARY ENGINEER,

Fort St. George, 17th January 1895.

Local & Municipal Dept

CURRENT No. 188

From

R. E. ELLIS, Esq., ASSOC. M. INST. C.E.,

ACTING SANITARY ENGINEER TO GOVERNMENT,

To

The Chief Secretary to Government
Local and Municipal Department

SIR,

With reference to G.O. No. 710 in this
dated 7th June 1894, Local and Municipal, I have
the honor to inform you that up to date no
satisfactory reports have been received from
the various firms and institutions referred
to in this office letter No. 7/110 dated 15th May 1894.

2. Mr. Irwin has forwarded two sam-
ples of pipes manufactured at the Government
tile works, one with salt glaze and the other
with soft glaze and there does not appear to
be any particular difference in the result.
The cost of pipes so manufactured is as follows:

4" diameter	Rs 2 per foot
6" do	3 do
9" do	4 do

This of course is very high compared with the cost of English pipes and those manufactured of Jubbalpore clay as already reported on and it is doubtful whether the same could be reduced sufficiently to compete therewith.

3. Messrs. Debutthot & Co. are still giving the matter attention. In July last they forwarded to England 2 casks containing what was considered the most suitable clay for making glazed stoneware pipes. The samples of clay have been treated at some large pipe works in the north of England and though several experiments have been made the results have not been very favorable.

4. The experiments in cement pipes referred to in the last report have been very satisfactory. As far as can be judged at the present moment the pipes now being manufactured at the Madras cement works would be very suitable for sewage and irrigation works. The manager of the Madras Cement Works expects to be able to turn out the following quantity per diem before June next:-
100 of 4" diameters.

100 of 6" diameters

100 of 9" do

50 of 12" do

50 of 15" do

50 of 18" do

The 6" pipe are being sold at 8 annas a foot which is approximately the same as English Stoneware pipes; the prices of the other sizes have not yet been fixed but is understood that they will not exceed the present market prices of salt glazed stoneware pipes.

5. In connection with the last para of G.O., under reference, the cost of manufacturing stoneware pipes at the School of Arts would not be less than that made at the Government tile Works.

I have the honor to be

Sir,

Your most obedient servant

R. S. Miles

Sdg. Sanitary Engineer to Govt.

Rel
26/6

Local & Municipal Dept.

CURRENT No. 188 M
1895

For orders

The net result of the correspondence appears to be that Tubulore pipes can be obtained at slightly cheaper rates than English stone ware, & that all experiments up to date with clay from this part of the country have been unsuccessful, that Arbuthnot & Co's cement pipes are obtainable at about the same rates as English stone ware. The manufacture of these last has however apparently been only just begun, with an increased output the rates may fall. The San. Engr. does not compare their merits with those of English stone ware pipes.

B He may perhaps be told to experiment with them on a limited scale in some of the works his Dept is now conducting & report again. Govt. wd. then be in a position to decide whether they should be largely used should the rates for them be reduced.

Mrs. iqs 28/1/95

- A. Exchange having fallen English pipes will come cheaper.
- B. Yes, if he can find an opening to do so.

Ask if he has tested these cement pipes & whether had water they will stand in comparison with English stone ware pipes.

[G 53]
2,500-14-8-94.

Local Department.



PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following paper:—

Current 188-M.

Order 2.2.95 No. 157

The San. Engineer will be requested to report whether he has tested the Cement pipes manufactured by Messrs Arbuthnot & Co. in order to ascertain their capability when compared with English stone ware pipes of resisting the pressure of water varying heads of water, & if so to communicate the results of his experiments.

2. He should endeavour to give these pipes a trial on a limited scale should an opportunity arise in the execution of any of the Sanitary works now in progress. It is possible that with an increased output, & a further decline in sterling exchange they may be ^{eventually} ~~in~~ the market.

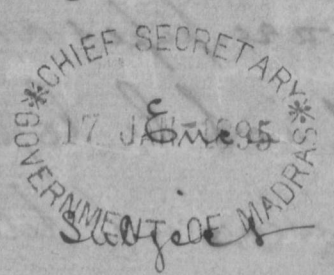
From

The Ag. Sanitary Engineer to Government.

The Chief Secretary to Govt.
Local and Mun. Dept.

No. 106

Dated 17th
Desp^d 17th
Rec^d } January 1895



Informing that no satisfactory reports have been received till now from the various firms and institutions referred to in this office letter No. 110 dated 15th May 1894 on the subject of local manufacture of stoneware pipes and furnishing certain information to the cost of the pipes.

obtainable at rates that will
compare favourably with English
stone ware

Arbuthnot & Co's
Cement pipes.

W. S. 195 (from order)
1/2/95

CS.
(from order)

154/2

To,
The Secretary Engineer.
1/2/95

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

189

READ AGAIN G.O., No.
189

DATED

CURRENT No.

ENCLOSURES TO G. 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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Q = Copy heading only.