

Public Works (189) Department.

*Print
out*

G.O., No. 780 W.

DATED 22 March 98.

13/3/98

[Despatch Abstract.]

Costacannund Drainage Scheme. Note by the Chief Engineer P. W. D. making certain proposals for the effect in working of the —, some, with remarks, to the Suptg. Engrs. IV level & to the Lt. In Dept.

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22.3.98

Indexed

22/3/98

Note by the Chief Engineer, Public Works Department, making certain proposals for the effective working of the —, communicated, with remarks, to the Superintending Engineer, IV Circle, and to the Local and Municipal Department.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper :—

Note by the Chief Engineer, Public Works Department.

With reference to paragraph 4 of my inspection notes printed with G.O., No. 182 W., dated 21st January 1898, I regret to find that I have made a very serious mistake in estimating the probable cost of removing the old brick sewer throughout its length and substituting earthenware pipes. When writing the notes I had not seen the estimate and report on the sewer, and was under the impression that only a few hundred feet remained to be laid. Mr. Somers-Eve has now informed me, demi-officially, that the length to be laid is 3,400 feet, and that the cost of laying the 12-inch earthenware pipe already sanctioned has been Rs. 5 per running foot, so that the total cost of abolishing the brick sewer still remaining will be Rs. 17,000.

2. Under the above circumstances he has, of course, taken no action on this section of the work and I resubmit the matter for further orders.

3. In G.O., No. 107 M., dated 27th January 1897, estimates amounting to Rupees 25,450 for the improvement of the Ootacamund drainage were sanctioned. These provided for—

- (i) Removing the intercepting sewer from junction with Brewery drain to Willow Bund and relaying with 12-inch earthenware pipes.
- (ii) 21 manholes for earthenware pipes.
- (iii) Flushing sluice at head of sewer.
- (iv) Widening supply channel.
- (v) Culvert under willow bund.

As a matter of fact the new pipe sewer has been laid from the commencement of the Commercial road bazaar—vide paragraph 6 of report printed at page 3, &c., of above Government order.

4. A perusal of this report will show what the proposals were.

In paragraph 2 it is said “the only really efficient length of this main sewer is the pipe through the lake, which . . . needs no improvement.” “The 9-inch pipe is too small and without fall, and the masonry conduit is altogether in the wrong place . . . and of very inferior design.” Again in paragraph 6 it is said that this masonry conduit is “of poor design and much obstructed” and further on “the existing masonry sewer will be extremely useful to serve the few houses along its course, but will chiefly be valuable for flushing purposes as explained in paragraph 7.” In paragraph 7 it is proposed to lay from the flushing sluice an iron pipe 9-inch diameter to the head of the existing sewer, which will, it is said, discharge sufficient water for an ample flush under pressure, provided that some of the obstructions in the masonry sewer are removed.

5. This report and estimate were referred to the Sanitary Engineer, and in paragraph 9 of his note in reply (page 8 of above Government order) he says “it is doubtful if the arrangements proposed are likely to be successful.” “The long square sewer with its many outlets, trap doors, &c., between the flushing pipe and the pipe sewer will, it is believed, render abortive any attempts at successful flushing,” and further on “no doubt the site of Mr. Ashpitel’s proposed flushing tank would be excellent, were there a pipe sewer extended up to it.”

6. With the above remarks by the Sanitary Engineer I fully agree. An effective flush of this long sewer is a *sine qua non*, and we cannot get this flush, so long as for a length of 3,400 feet from the flushing sluice, the flushing water will have to pass through an old square masonry sewer, badly aligned, full of obstructions and outlets and unable to stand the water pressure necessary for flushing, and it is this particular length of old sewer that I now ask for sanction to replace with a 12-inch earthenware pipe right up to the flushing sluice. The pipe already laid to connect the flushing sluice with the main sewer is only of 9-inch diameter, and of course as far as the sewage of this length is concerned, this size would be amply large enough for the whole distance of 3,400’ to the 12-inch sewer; but the main object of the pipe to be laid is to flush the 12-inch pipe from head of Commercial road to end of lake, and I do not think it can do this effectively unless it is of the same size.

7. It will be seen, therefore, that a great deal more money has, in my opinion, to be spent on this sewer before it can do its duty satisfactorily. The proposed items of expenditure are given below :—

	RS.
(1) Estimates sanctioned in G.O., No. 107 M., dated 27th January 1897	25,450
(2) Excess on item V of above estimate sanctioned in G.O., No. 2102 W., dated 2nd August 1897	510
(3) Supplemental estimate for diverting main sewer sanctioned in G.O., No. 2917 W., dated 19th October 1897	5,720
(4) Replacing old sewer with 12-inch pipe as now proposed 3,400’ at Rs. 5 per foot	17,000
(5) Providing manholes in lake portion of pipe—vide paragraph 3 of my inspection notes printed with G.O., No. 182 W., dated 21st January 1898	7,500
(6) Cost of re-aligning and re-levelling pipe under lake referred to in paragraph 2 of above notes	2,000
Total	61,580

8. Of the above items the last two are absolutely necessary, if we are not to have continual trouble in the years to come. I believe items 4 and 5 to be equally necessary, if flushing is to be effective, and if it is not, we may as well do nothing. The only alternative is to leave things as they are and see whether it is not possible to obtain a sufficiently effective flush through the old sewer. The prospect of doing so is, to my mind, a very faint one.

9. If it is decided to relay the old sewer with pipes the question of its re-alignment, referred to in paragraph 6 of the report accompanying G.O., No. 107 M., dated 27th January 1897, will have to be considered.

(Signed) W. B. DEWINTON,
Ag. Chief Engineer.

1st February 1898.

ORDER—No. 780 W., dated 22nd March 1898.

Communicated to the Superintending Engineer, IV Circle, and to the Local and Municipal Department, in continuation of G.O., No. 182 W., dated 21st January 1898.

Papers to be read in Proceedings:—

Again G.O., dated	189 , No.
Again G.O., dated	189 , No.
Current No.	of 189 , dated , from
" "	" 189 , "
" "	" 189 , "

Prin. Eng. 1898
UP

Prin. Eng. the Chief Engr. P.W.D. dated 1 Feb 1898
No. 780 W 22-3-98

10 H 11
but work
ORDER.

Communicated to

the Suply. Engineer IV Circle, and to the Local and Municipal Dept., in continuation of G.O. No 182 W dated 21 January 1898 -

2. The Executive Engineer on special duty will, with the least possible delay, submit estimates for works (4) to (6) mentioned in para 7 of the Chief Engineer's note, and meanwhile these construction can be commenced in anticipation of sanction. The cost will be met from the

I should like the order to begin the work in anticipation of the submission & sanction of estimates. The rate of Rs 5 per foot run, inclusive of manholes, may be all right, but I think the C.E. should examine the data for this rate before work is allowed to proceed. It seems to me very high for stone masonry pipes.

RS
9/3/98

7 paper with the same. A. 24. 16.3.98

The Secy to Govt. Local Dept. for favour of committee initiation.

Note for the Secy

No objection in this department.

11/7/98

No. 780 W., 22ND MARCH 1898.

2. The Executive Engineer on special duty will, with the least possible delay, submit estimates for works (4) to (6) mentioned in paragraph 7 of the Chief Engineer's note, and meanwhile the construction of Nos. 5 and 6 can be commenced in anticipation of sanction. The cost will be met from the balance of Rs. 81,800 of the Provincial grant on account of the water-supply schemes already drawn by the Municipal Council.

3. The attention of Mr. Somers-Eve will be drawn to the delay which is occurring in the preparation of the bazaar drainage scheme, and he will be directed to submit the plans and estimates as soon as possible.

(True Extract.)

Under Secretary to Government.

To the Superintending Engineer, IV Circle.
" Examiner, Public Works Accounts.
" Local and Municipal Department.

Encl. Shaik Karim.

balance of Rs. 81,800 of the Provincial grant on account of the water supply schemes, already drawn by the Municipal Council

3. The attention of Mr. Somers Esq will be drawn to the delay which is occurring in the preparation of the bazaar drainage scheme, & he will be directed to submit the plans & estimates as soon as possible.

This nearly a year since this officer was posted to the work. At that time the plan of the bazaar which has been denied was in existence, for I saw it - Besides, there is Mr. Cardozo's survey which was sufficiently complete long ago. What had to be done was to take the lands which, at places where the full ⁱⁿ (say) 40 + more up to (say) 100 + where there was a difference of a yard or so ^{of} little importance, should have been done in a couple of days. His month's time Mr. Somers. He went up to Bombay to study house connections there. What in the world can he have been doing with his time? He was loafing about Madras for a week or more the other day & he may have been found in the wait room at the Dolecamund Club - decidedly he wants looking after

L.H.H.
5.5.98

7388

T.H.
B.P.
E.S.

S.S. IV cipher

Sum Proa

total & amount

Q. 2/2/98

C. No.

SUBJECT.

- (2) HIS EXCELLENCY THE GOVERNOR.
(1) THE HON'BLE SIR HENRY BLISS, K.C.I.E.
THE HON'BLE MR. GROSE, C.I.E.

Dolecamund drainage

FOR ORDERS.

some the L.P. to Mr. L.H.H. write to him. I will write him myself. 22.5.98

bequest
B.P.
A.S.H.

I have altered the Draft L.P. so as to sanction the construction of works Nos 5 & 6 in anticipation of sanction to the estimate, leaving No 4 to be sanctioned after submission of estimate. It is absolutely necessary that works Nos 5 & 6 should go on at once, & they are, in fact, in progress, because the Lake cannot be raised until they are completed. The data for the No 5 will be checked when the estimate for No 4 is received.

22 March

I am not at all disposed to take Mr. Somers' word as his own valuation - I am the most hard worked man

2. with reference to the Mr. Somers' remarks about Mr. Somers' draft of price

I think the scheme is at
any rate the first instalment
of it may be expected
shortly. I believe Mr. Lane
has been diverting much of
his attention to the Lake
reclamation. He came down
to Madras to attend the
Famine Commission as a
witness. & I presume he
is up to be found in the
whisk room of the Club
after his day's work is

19.2.50

in only the rest of the
officers there must have
every say times. But it is
about proven to talk of
about hard work when day
after day he can be found at
the Club playing whist. My
opinion he must be informed
of - He has been apart
about this drainage scheme
which I am sure could have been
disposed of in a few weeks, if not
days - No doubt he may have
been diverting his attention to the
Lake reclamation. This is to
be hoped he has, for that's what he
is specially paid for looking
after - But how can this have
prevented his getting on with
the drainage scheme? Has he spent
all day & every day on the recla-
mation? What is it? The
C.E. should work decidedly
look after him, or see that the
Supt. Engr. does so. The C.E.
will soon be up at 8 o'clock & can
look into his work for himself -
I don't in the least doubt that,
when he does, he will agree
with me.

As
21/3/98

It is probable that Mr. Sumner is not so
stirring-up. There is doubt whether
Winton will perform that operation.

A. 44 21.3.98

~~FOR ORDERS.~~

The work seems desirable, but it is questionable whether funds can be provided. 'Financial' might hinder their creation.

A. 14
3.2.98

With reference to para 4 of my inspection notes printed with G.O. No. 182 W dated 21st January 1898, I regret to find that I have made a very serious mistake in estimating the probable cost of removing the old brick sewer throughout its --- length and substituting earthenware pipes. When writing the notes I had not seen the estimate and report on the sewer, and was under the impression that only a few hundred -- feet remained to be laid. Mr. Somers-
Eve has now informed me, demi-offi-
cially, that the length to be laid is 3,400 feet, & that the cost of laying the 12-inch earthenware pipe already sanctioned has been Rs. 5 per running foot, so that the total cost of --- abolishing the brick sewer still -- remaining will be Rs. 17,000 ~~exclu~~^{✓ x} ~~give of manholes.~~

2. Under the above circumstances
he has, of course, taken no action.
on

+ I have since found that
the rate is inclusive
of manholes
filled -

$\sqrt{5} \cdot \sqrt{5} = 5$

on this section of the work and I resubmit the matter for further -- orders.

3. In G.O.No. 107 M dated 27th January 1897 estimates amounting to Rs. 25,450 for the improvement of the Ootacamund drainage were sanctioned.

These provided for

- (1) Removing the intercepting sewer from junction with Brewery Drain to Willow Bund & relaying with 12" earthenware pipes.
- (ii) 21 manholes for -do--.
- (iii) Flushing sluice at head of sewer.
- (iv) Widening supply channel.
- (v) Culvert under Willow Bund.

As a matter of fact the new pipe sewer has been laid from the commencement of the Commercial Road bazaar-vide para 6 of Report printed at page 3 of above G.O.

4. A perusal of this report will show what the proposals were.

In para 2 it is said "The only really efficient length of this main sewer is the pipe through the lake, which x x x needs no improvement". "The 9" pipe is too small & without fall, and the masonry conduit is altogether in the wrong place x x x of very inferior design". Again in para 6 it is said that this masonry conduit is "of poor design & much obstructed" and further on "The existing masonry sewer will be --- extremely

* Flag

vide page 10780. No 107 M G
27-1-97

extremely useful to serve the few houses along its course, but will -- chiefly be valuable for flushing -- purposes as explained in para 7". In para 7 it is proposed to lay --- from the flushing sluice an iron -- pipe 9" diameter to the head of the existing sewer, which will, it is --- said, discharge sufficient water for an ample flush under pressure, provided that some of the obstructions in the masonry sewer are removed.

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Total.....61,580

9. If it is decided to relay the old sewer with pipes the question of its realignment, referred to in para 6 of the Report accompanying G.O. 107 M dated 27th January 1897, will have to be considered.

2 Bial
W. 1.2.98

182 W 21-1-98 ✓
 5338 C - 9-12-97 ✓
 5337 C - 9-12-97 ✓
 3409 W - 6-12-97 ✓
 4840 C - 15-11-97 ✓
 2991 W - 23-10-97 ✓
 2917 W - 19-10-97 ✓
 2102 W - 2-8-97 ✓
 378 W - 8-2-97 ✓
 982 W - 19-3-96 ✓

Office Note 2 of 1898

Over 1/3 1898

Public Works (1898) Department.

CURRENT No. 1898

750 W

1500

From The Local & Municipal Dept.

Order

O. N. No. 8.

Dated 25th February 1898

Received 31.3.98

Registered

Enclosures 2

Spare copies

SUBJECT.

Ootacamund water supply schemes.

Forwarding, in original, remarks of The Honble Sir Henry Bliss in connection with the —.

1161 C
25-2-98

BACK PAPERS.

G.O.	No.	Department.	Date.
fo	182	W	24-1-98
"	2568	W	19-11-97
"	1814	W	19-8-97
"	107	W	27-1-97
"	3544	W	17-12-97
"	314	W	3-2-98

FURTHER PAPERS.

G.O.	No.	Department.	Date.

LOCAL AND MUNICIPAL DEPARTMENT.

Office Note No 2 of 1878

SUBJECT.

Cotacamund drainage

N.M.

FOR ORDERS.

The estimated cost of the works 4 to 7 specified in paragraph 7 of the Chief Engineer's note, is Rs 29,900. A Provincial grant of Rs 189,000 was made to the municipal council on account of the water supply scheme of which Rs 107,120 have been allotted as shown below:—

G.	For Cotacamund drainage improvements. G.O. No 2568 m, dated 19 th November 1897	Rs. 25,450
O.	For Cotacamund Lake Reclamation. G.O. No 1749 m, dated 9 th August 1897	40,000
I.	For diverting main sewer of the Cotacamund drainage. G.O. No 2565 m, dated 19 th November 1897	5,720
N.	For water supply improvements. G.O. No 15 m, dated 4 th January 1898	35,700
K.	For drainage improvements. G.O. No 314 m, dated 3 rd February 1898	250

107,120

The cost of the works now proposed

in Rs. 47. W
10-1-98

viz Rs 29,900 may be met out of the balance of Rs 81,880 of the Provincial grant still with the municipal council.

V.R.
11/2/98

H.T.
12.2.98

H.T. 18.2.98

To The Financial Department for counter initials

I think so - It will be better to make a good job of the drainage business once for all - I must however draw attention to the rate (Rs 5 per foot run) which the laying of the 12" ~~water~~ stone waste pipe is stated to cost. ~~I must~~ I must also ask that all schemes for this octacommenced drainage work be sent to me before any order issue in the P.W.D. or any work is begun - I am under the impression that some orders on the subject have issued in the P.W.D. before I have seen the papers. This course is incorrect where municipal works are concerned.

RS
21/2/98

There has been great delay in the preparation of the scheme for the bagan drainage - The Chf Engr. should send it state case that his former Eve is not wasting his time.

RS
21/2/98

G
73
200-15-10-97.

Local & Municipal DEPARTMENT.

OFFICE NOTE No. 8

Dated 25th February 1898.

From THE SECRETARY TO GOVERNMENT, Local & Municipal Department,
To THE SECRETARY to Govt. Public Works DEPARTMENT.

Reference: your office note no 2, dated 5th February 1898.

6692?
with en 1534

- S. A. W.
Call for estimates for these works - & say that they can be commenced in anticipation of sanction.
- Also call for Mr. S. S. attention to the delay which is occurring in the preparation of the bagan drainage scheme, & ask him to submit it as soon as possible.
 - Note that all orders in this subject are to go to the H.M.

The cost of the works 4 to 7 specified in para. 7 of the note for orders forwarded with the above office note may be met from the balance of Rs 81,880 of the Provincial grant on account of the water-supply schemes already drawn by the municipal council.

2. Attention is invited to the remarks of the Honble Sir Henry Bliss, dated 21st February 1898 in his orders on the (Local and Municipal) note, which is herewith forwarded in original.

H. Tremearc
Secy. Secretary to Government.

The Rs 5 rate was paid, inclusive of water.

1 Ac
 22-3-98
 No 780 W
 No 1898

this total cost
 better than
 circulated specie

Circled
 Run
 19/3/98

ow

Proposed to send
 this file to W, with
 reference to the H. H. H.
 notes.

C. H.
 17.2.98

Yes. But I should like
 to know how the rate of Rs. 5
 per foot per inch, inclusive of
 manholes, was fixed.
 C. H. H.
 17.3.98.

ow

The figure was given
 by W in his notes, &
 was I think taken from
 a D.O. note from the
 S. H. H. - W at first
 thought that the rate of
 Rs. 5 did not include
 the manholes, & he put
 down Rs 200 each for
 these extra, but he
 stated afterwards that
 this was a mistake, & that
 the manholes were included
 in the 6 Rupee rate. C. H. H.
 2/4/98

W. J. J. J.

C. No 1898

the

upper file
Can so on in
circ -

Lower file
concurrent
to me with
the draft
and on with
written by

W

Caz

5/3/58

5/3/58

T
W

Draft order
enclosed.

as the 5% rate is
inclusive of manholes,
low rate of 1.2.28
must apparently be
altered by the
omission of the last
3 words in para 1, &
item (5) in para 7 -
for ~~order~~ whether
this may be done
a note will then be
added to the draft
So. for the ~~Am's~~ in
formation.

Cy
4.3.28

I have struck them
out.

L.H.
J. 8. 28

Care
are there in these
Yours, please write
between -

[Signature]
14-4-98

W
The papers are not
all here. I have accordingly
wired to Madras.

Noted
[Signature]
14-4-98

Date

Postmaster



April 14, 1898

My dear Schmitz
I want to have a
talk with you about
the city drainage & water
works. Can you come
over some morning? Any
morning will suit me, so
far as I know, if you will
give me notice beforehand.
Please bring with you J.P.

Date

Postmaster

Yours sincerely
H. W. Shipps

Recd
US
30th St

TRIPPLICANE
14 AP. 98

OF CHARGE FOR INLAND TELEGRAMS.

The address (including name of Sender, and name and residence of Addressee) is transmitted free.

	First 8 words.	Each additional word.	
Deferred Message	... 8 Annas	... 1 Anna.	A group of 3, or less figures, is reckoned as one word.
Ordinary "	... 1 Rupee	... 2 Annas.	
Urgent "	... 2 Rupees	... 4 Annas.	

No charge for delivery within a distance of 5 Miles.

CAW

Two files are forwarded
herein, relating to
Water Supply & Drainage
Schemes.

CAW
18-4-28

W Submitted
R.S.
16 Apr 28