

(1) Number of pages 18
(2) Date of repair 10.9.83
(3) Initials of the Referencer Kov

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

P.W. DEPARTMENT

G.O. No.	742-W	Press.
B.P. No.		Mis.
Dated	24.3.1885	198

Not to be folded or roughly handled

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following letter from Colonel J. BEATTY, R.E., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Coimbatore, 21st March 1885, No. 127 E.W. :—

I have the honor to forward, for your information, a letter* of the Executive Engineer, Nilgiris, and to request your sanction to the arrangement of temporary dam and rough escape mentioned in the first three paragraphs.

2. With regard to paragraph 4 I have requested Major Smith to furnish a plan and estimate of the permanent regulating work in question with information as to the probable maximum discharge and water levels at the bridge.

3. The subject of paragraph 5 can also be best considered when the Executive Engineer furnishes an estimate of the water machine he refers to and details of the way it is to be worked.

ENCLOSURE.

From Major A. C. SMITH, R.E., Executive Engineer, Nilgiri Division, to the Superintending Engineer, IV Circle, Coimbatore, dated Ootacamund, 9th March 1885, No. 651.

I have the honor to report that, owing to complaints having been made of the smell from the upper portion of the lake above Willow bund, I have given orders to have a temporary dam with a rough escape duly provided therein constructed in ring form above the Willow bund bridge.

2. I originally proposed doing this when arranging with the municipality about the lowering; but, as I thought the depth of water would entail an unnecessary expense, I suggested trying the small bunds and channels to guide the filth from the sewer, &c., into deep water. This arrangement answers well enough, but the complaints are of the smell from the large expanse of drying mud.

3. The arrangement now ordered will keep this portion at normal level and also allow any surplus to pass down as before. The cost can be met from contingencies on drainage estimate.

4. While on this subject I may submit that it would be of great advantage to erect a permanent regulating work under the bridge of the Willow bund, so that not only may we be able at any time to keep the water in the upper portion at its normal level—no matter what happens below—but also by making a permanent weir here (of course allowing sufficient waterway for heavy floods) we can assist the silting process above. If this proposal meets with your approval, I shall make arrangements for starting this work when the lake is at its lowest level for pipe-laying about April or May next.

5. In this connection I may state that I have been making measurements, &c., and I think by a little management we should be able to work a water machine at the brickfield for at any rate eight months in the year. Roughly my idea is this. To work a wheel, 12 cubic feet per second for eight hours plus evaporation (maximum under 1 inch up here) for 24 hours, would lower the lake 2 1/2 inches, supposing no water to be flowing in. But as work would cease and shutters be shut for 16 hours if we could only get 4 cubic feet per second running into the lake its level would be again normal by the following morning. This on Sundays and non-working days would enable us to keep the lake from becoming unsightly, and if he had the permanent work regulating the upper portion as above proposed the level of this part would never be reduced. Mr. Lord reports he can get a fall of over 40 feet from lake surface to brickfield channel bed which with 12 cubic feet a second give us at least 25 horse-power in a turbine with 16 inches leading or fall pipes, and about 16 horse-power with a 20-foot overshot wheel.

ORDER—dated 24th March 1885, No. 742 W., Public Works.

The action of the Executive Engineer, Nilgiris, in constructing a temporary dam with a rough escape at the Willow bund bridge, Ootacamund, is approved.

2. A plan and estimate for a permanent regulating work at the bridge will be awaited.

3. The Government agree with the opinion expressed in paragraph 3 of the Superintending Engineer's letter.

(True Extract.)

Major, R.E.,
Under Secy. to Govt., P.W.D.

To the Superintending Engineer, IV Circle.
" Examiner, Public Works Accounts.
" Financial Department.

Ed. A. Grubert.
Spars Copies

21
7/42

BUILDINGS AND ROADS.
CIVIL WORKS.

Gobt. of (1885) Madras.
PUBLIC WORKS

Dated March, 24th.

Recd.

Encl.

G.O., 24th March 1885, No. 742 W.

MARCH.

Temporary dam at the Willow
Bund Bridge, Ootacamund

Action of the Executive Engineer in
constructing a — with a rough escape,
approved.

121
No. 127 Supg. Engineer's Office IV Circle
Coimbatore, 21 March 1885

From

The Superintending Engineer,
IV Circle

To

The Chief Engineer,
P. W. Department

Sir,

Encls: 1

*
No. 601 of
9th inst.

Yes. I have the honor to forward
for your information a letter of the
Executive Engineer, Nilgiris, and to
request your sanction to the arrangement
of temporary dams and rough escape
mentioned in the first three paras.

2. With regard to para 4 I have
requested Major Smith to furnish a plan
and estimate of the permanent regulating
work in question with information as to
the probable maximum discharge and
water levels at the bridge.

3. The Subject of para 5 Can also
be best considered when the Executive
Engineer furnishes an estimate of the
water

water machine he refers to and details
of the way it is to be worked.

I have the honor to be,

Sir,

Your most obed^t Serv^t,

L. Piatt Col. R.E.
Superintending Engineer
W Circle

4/7/82

From

The Supg. Engineer,
Fourth Circle.



Dated 21st }
Despd. 8^o } March/85.

N^o 127
Mr.

Encls 1

Ootacamund Lake:-

Forwards for information letter from the Executive Engineer Nilgiris and requests sanction to the arrangement of temporary dam and rough escape to the

SAW

N^o 651

From

The Executive Engineer
Nilgiri Division

To

The Superintending Engineer
4th Circle
Coimbatore

Sir,

I have the honor to report that owing to complaints having been made of the smell from the upper portion of the Lake above Willow bund I have given orders to have a temporary dam with a rough escape duly provided therein constructed in ring form above the Willow bund Bridge.

2. Originally proposed doing this when arranging with the Municipality about the lowering, but as I thought the depth of water would entail an unnecessary expense, I suggested trying the small bunds and channels to guide the

filth from the sewer &c into deep water.
This arrangement ~~is~~ as well enough
but the complaints of the smell from
the large expanse of drying mud.

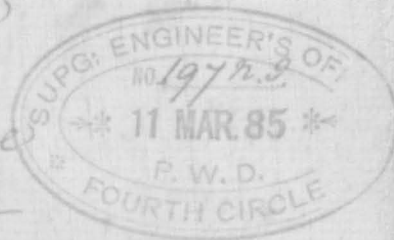
3. The arrangement now ordered
will keep this portion at normal level
and also allow any surplus to pass down
as before. The cost can be met from en-
tongencies on drainage estimate.

4. While on this subject I may
submit that it would be of great advan-
tage to erect a permanent regulating work
under the bridge of the Willow bend so
that not only may we be able at any
time to keep the water in the upper portion
at its normal level - no matter what
happens below - but also by making a
permanent weir here (of course allowing
sufficient waterway for heavy floods) we
can arrest the silting process above. If
this proposal meets with your approval
I shall make arrangements for starting
this work when the Lake is at its lowest
level for pipe laying about April or
May

May next.

5. In this ~~connection~~ ^{by the way} I may state
that I have been making measurements
&c and I think by a little management
we should be able to work a water ma-
chine at the Brickfield for at any-
rate 8 months in the year. Roughly
my idea is this. To work a wheel, 12 cft
per second for 8 hours plus evaporation
(maximum under 1 inch up here) for
24 hours, would lower the lake 2.28 in-
ches supposing no water to be flowing in.
But as work would cease and shutters be
shut for 16 hours if we could only get
4 cft per second running into the Lake
its level would be again normal by
the following morning. This and Sundays
and non-working days would enable us
to keep the Lake from becoming unsightly
and if we had the permanent work re-
gulating the upper portion as above pro-
posed the level of this part would never
be reduced. Mr Lord reports he can
get

get a fall of over 40 feet from Lake
surface to brick field channel bed
which would with 2 cft of second grade
wood at least 25 H.P. in a turbine with
15" leading or fall pipes, and about
16 H.P. with a 20' overshoot wheel.

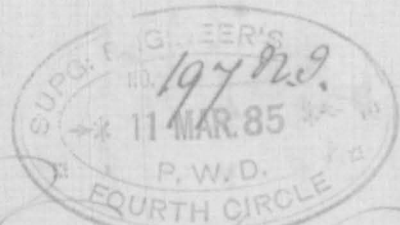


I have the honor to be
Sir
Your most obedient Serv^t

Aldrich Major P.E.
Executive Engineer

7
sp²

From



The Executive Engineer
Nilgiri Division

To
The Superintending Engineer
4th Circle
Coimbatore

Dated 9th }
recd 9th } March 1884
Dec? }
No 651

Ootacamund Lake
Removing the bad smell
from. Submits certain
proposals for.

10742 W
PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the 24th March/85.

Read the following

From
The Supt Engineer
IV Circle } (H. No. 127 of 21st March/85)

5
The action of
the Executive Engineer
Nilgiris in constructing
a temporary dam
with a rough escape
at the Willow Brook
bridge Ootacamund,
is approved.

2. A plan and esti-
-mate for a per-
-manent regulating
work at the bridge
will be awaited.
The

3. The Government
agrees with the
opinion expressed
in para 3 of the
Supt's previous letter.

Cd.

24.3.88

US.

24.3.88

BK

2/4/88

Co. IV Circle
Capt. P. W. N.
Supt. Dept.

Cd.

2/4/88

9
14/20

2600

Govt. of Madras.

PUBLIC WORKS.

Dated

28/3/85

Recd.

Encl.

G.O. No. 24 Nov 1885, No. 7420

Temporary dam ~~at~~
~~in~~ ~~at~~ the
Willow Bund Bridge,
~~at~~

Asst. Commr.

Asst. Commr. in charge
in constructing a
with a high escape,
approved.

60

14

1d
27/3/85