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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

PUBLIC WORKS. DEPARTMENT

G.O. No.		Press.
B.P. No.	558 W.	Mis.
Dated	4 2 1878	197 .

Not to be folded or roughly handled

[Signature]

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

4th February 1878, No. 553 W.

Buildings and Roads.

Civil Works.

Read the following paper :—

No. 20. Endorsement of the Chief Secretary to Government, Financial Department, dated Fort St. George, 24th January 1878, No. 125.

From L. R. BURROWS, Esq., Acting President, Municipal Commission, to the Chief Secretary to Government, dated Madras, 22nd January 1878, No. 941.

I HAVE the honor to forward, for the information of His Grace the Governor in Council, a report from the Executive Engineer of the Municipality on the accumulation of sand which is being formed to the south of the South Pier of the Harbour Works, and to the obstruction which is caused to the working of the screw pile drain recently constructed by the Municipality. Should the extension of the foreshore continue, the discharge of the contents of the main drain will be attended with far greater nuisance to the inhabitants of the Fort than it is at present.

2. If Government approve of the suggestion made by Mr. Jones to construct a groyne to the south of the main drain mouth, I request that orders may be issued for the work being carried out at the expense of Government by the Public Works Department.

From J. A. JONES, Esq., Executive Engineer, Municipal Commission, to L. R. BURROWS, Esq., Acting President, Municipal Commission, dated Madras, 19th January 1878, No. 1,111.

Screw Pile and Main Drain.

SINCE middle of September 1877 the sand has been accumulating to a very large extent round the mouths of these drains.

2. In March 1877 the pumping was commenced and the method for discharge of the drain acted very satisfactorily up to 13th October 1877. Since this latter date we have had to stop pumping entirely owing to the amount of sand deposited over and around the mouth of the pipe which delivered the sewage into the sea.

3. The pipes originally had seven feet of water over them at high tide and four feet at low tide, at present the low tide mark is at a considerable distance away from the mouth of the pipes.

4. This great increase of sand is no doubt due to the construction of the South Pier of the Harbour Works, and the sand appears to wash away between the Harbour Works Pier (south) and Captain Taylor's Pier and to be deposited from Captain Taylor's Pier southwards.

5. I met Mr. Thorowgood yesterday morning, and he believes that though there may be a slight diminution of the sand shortly, still eventually there will be a large increase and the foreshore still more extended.

6. As regards the pipe, to allow of us again pumping a branch is at present being laid at a high level above the sea to the end of the present pier and the pipe will be turned over into the sea at the end of the pier. This will only allow of us pumping from half tide to half tide as the end of the present pier is now about at low water mark, and it is not expedient to pump sewage when there is no water to receive it.

7. The remedy is to extend the pier some fifty feet further seawards and continue the pipe at a high level, turning it over the end of the pier thus lengthened into the sea as before.

8. There is a very serious danger menacing the mouth of the main drain, because this also will eventually be closed by the increase of sand. Mr. Thorowgood considers that a greyne should be run out a short distance to the south of the mouth of the drain.

9. This mouth is always used in floods and storms when the pump is not able to discharge the sewage quickly enough.

10. It will take about 100 tons of rubble for this work, and Mr. Thorowgood offers to allow it to be brought over the Harbour Line if it comes from Palaveram.

11. It is absolutely necessary to prevent the blocking up of the main drain at once.

* 12. The cost of the work detailed would cost about Rupees 600 or Rupees 700 without extra pumping.

13. There is the probability that our endeavours to keep the drain open may be futile from this continual extension of the sand, and even if we can keep it open the sewage will run over a long length of sand and thus be a greater nuisance both to the Fort and Town than it has been before.

FORWARDED to the Public Works Department for consideration and disposal.

(Signed) D. F. CARMICHAEL,
Chief Secretary.

No. 21. ORDER THEREON, 4th February 1878, No. 558 W.

THERE can be no doubt that the silting up of the foreshore is due to the action of the Harbour Piers. The remedy should therefore be applied at the cost of the Harbour Works. The District Engineer, Presidency, will take the work in hand at once, extending the drainage by additional pipes where necessary.

2. An estimate should be submitted in due course, but this should not be allowed to delay the progress of the work.

(True Extract.)

Colonel, R.E.,
Secretary to Government, P.W.D.

To the District Engineer, Presidency.
" President, Municipal Commission.
" Examiner of Public Works Accounts.
" Superintendent, Madras Harbour Works.
" Financial Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1878) Madras.

PUBLIC WORKS.

THE DISTRICT ENGINEER,
PRESIDENCY,
&c., &c., &c.

Dated February 4th.

Issued

Recd.

Encl.

G. O. 4th February 1878, No. 55 W.

FEBRUARY.

Nos 20-21.

Main drain mouth, Madras.—The District Engineer, Presidency, directed to construct at once a groyne to the south of the — extending the drainage by additional pipes where necessary.

P. W. DEPARTMENT.

Read the following:—

Endorsement of the Chief Secretary, No 125 of 24th Jan/78 on letter from the Acting President, Madras Municipal Commission, No 941 of 22nd Jan/78

FOR ORDERS.

There can be no doubt that the silting up of the foreshore is due to the construction of Harbour Piers.

Yrs - I believe that the Municipal Commission at present -

The present arrangements for the disposal of the South of Jan 28th Jan/78 have been

made

garden & with sides are

Edward Collett
Chief Engineer to Port of Madras

Port 31/1

E. No. 1111

Municipal Commissioners' Office,

EX-ENGINEER'S DEPARTMENT.

Madras, 19th January 1878.

From

J. A. JONES, Esq.,

Executive Engineer, Municipal Commission.

To

Mr. L. de Burrows Esq.
Acting President Municipal Comm.

Sir,

Sewer Pipe and Main Drain.

1 Since middle of September 1877 the sand has been accumulating to a very large extent round the mouth of these drains.

2 In March 1877 the pumping was commenced and this method for discharge of the drain acted very satisfactorily up to 13th October '77. Since this latter date we have had to stop pumping entirely owing to the amount of sand deposited over and around the mouth of the pipe which delivered the sewage into the sea.

3 The pipes originally had 7 feet of water over them at high tide and 4 feet at low tide; at present the low tide mark is at a considerable distance away from the mouth of the pipes.

4 This great increase of sand is no doubt due

due to the construction of the Mouth Pier of the Harbour Works, and the sand appears to wash away between the Harbour Works Pier (Mouth) and Captain Taylor's Pier and to be deposited from Captain Taylor's Pier Southward.

I met Mr. Thoroughgood yesterday morning and he believes that though there may be a slight diminution of the sand shortly, still eventually there will be a large increase and the foreshore still more extended.

As regards the pipe, to allow of us again pumping a branch is at present being laid at a high level above the sea to the end of the present pier and the pipe will be turned over into the sea at the end of the pier. This will only allow of us pumping from half tide to half tide as the end of the present pier is now about at low water mark and it is not expected to pump sewage when there is no water to receive it.

The remedy is to extend the pier some fifty feet further seawards and continue the pipe at a high level turning it over the end of the pier thus lengthened into the sea as before.

There is a very serious danger menacing the mouth of the Main Drain because this also will eventually be closed up the increase of sand

sand. Mr. Thoroughgood considers that a groin should be run out a short distance to the south of the mouth of the drain. $\frac{45}{100}$

9. This mouth is always used in floods and storms when the pumps are not able to discharge the sewage quickly enough.

10. It will take about 100 tons of rubble for this work and Mr. Thoroughgood offers to allow it to be brought over the Harbour Line if it comes from Palaveran.

11. It is absolutely necessary to prevent the blocking up of the Main Drain at once.

12. The cost of the work detailed would cost about £. 600 or £. 700 without extra pumping.

13. There is the probability that our endeavours to keep the drain open may be futile from this continual extension of the sand and even if we can keep it open the sewage will run over a long length of sand and thus be a greater nuisance both to the Fort and Town than it has been before.

I have the honor to be
Sir,

Your Most Obedt Servt

J. J. J.

Executive Engineer
Musselburgh

G. No. 941

Municipal Commissioners' Office,

Madras, 22nd January 1885

From

L. R. BURROWS,

Acting President Municipal Commission.

To

The Hon^{ble} D. S. Carmichael
Chief Secretary to Government
Fort St. George.

Sir,

I have the honor to forward for the information of His Grace the Governor in Council a report from the Executive Engineer of the Municipality on the accumulation of sand which is being formed to the south of the South Pier of the Harbour Works, and to the obstruction which is caused to the working of the Screw pile drain recently constructed by the Municipality should the extension of the foreshore continue, the discharge of the contents of the Main Drain will be attended with far greater nuisance to the inhabitants of the Fort than it is at present.

2. If Government approve of the suggestion made by Mr. James to construct a groin to the south of the Main Drain mouth I request that orders may be issued for the work being carried out at

The

L. R. No. 328/75

the expense of Government by the Public
Works Department.

May the honor be

Sir,

Your Most Obedient Servant,

J. R. Murrin.

Acting President

Municipal Commission

Sir,

No 125
 P2
 Forwarded to the Public Works Department
 : in int for consideration & disposal.

Fort Saint George
 24. January 1878
 To the Public Works Department
 Chief Secretary
 Madras

Madras 24. Jan 1878
 The Engineer in the accumulation
 of sand near the shore of the Pier
 of the Harbour works requires the
 of the suggestion of Mr. [Name]
 to [Name] the construction of a
 drain to the south of the Pier
 which may be carried out at the
 expense of Government.
 Forwarded
 24/1

Cur 28-1-78. 11270

No 558 W Public Works Department
 5-1-78
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PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 4th Feby 1878

Read the following :-

Endorsement of the Chief Secretary
 on letter from the Acting President
 Madras Municipal Commission
 No 941 of 22nd January 1878
 No. No 125 of 24 Jan 1878

There can be no
 doubt that the silting up of
 the foreshore is due to the
 action of the Harbour Piers.
 The remedy should therefore
 be applied at the cost of the
 Harbour Works. The District
 Engineer, Presidency, will take
 the work in hand at once
 extending the drainage by
 additional pipes where
 necessary.

An estimate should be
 submitted in due course, but
 this should not be allowed to
 delay the progress of the work.
 The Dist. Engineer, Presidency
 President Municipal Commission
 Examiner P. W. Accounts
 Superint. Madras Harbour
 Financial Department

Depd 7-2-78
 17
 2.2.78

1000
Sept. 11 1878
PUBLIC WORKS.

To *The D. C. Presidency*

Dated

Issued

Recd.

Encl.

G. O. 4747 1878, No. 530W

Nos.

Main drain north main
The D. C. Presidency directs
to construct at once
a groin to the south of the
— extending the drain-
age by additional pipes
where necessary.

Wm. H. May