(1) பக்கங்களின் எண்ணிக்கை 44

(2) புதுக்கித் திருப்பிய நாள் 1-90

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம் [illegible]

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

PW துறை

அரசாணை எண். —
மு. கோப்புத் தாள் எண். 2483 W

அச்சகம்
பலவகை

நாள் : 17.9.1890 ~~198~~.

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

ஆவண. எண்-1—18,006—15-6-87.

1
2483

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following papers:—

From Lieut.-Colonel G. M. J. MOORE, President, Municipal Commission, to the Chief Secretary to Government, dated Madras, 30th April 1890, No. 140 P.W.

With reference to G.O., No. 856 W., Public Works, dated 15th March 1890, I have the honor to submit that, I think, there is a misconception as to the leakage due to the drain doors being that which Mr. Pogson refers to. I propose to take Mr. Pogson's letter in detail.

Para. 2.—He states that the outlet is only 330 feet from low water mark. I stated it was 360. I measured it again on the 28th April 1890, and found it to be 364 feet. I prefer to accept my own measurements. With regard to the future erosion of the accreted foreshore, I can only say that such a total revulsion is beyond my comprehension.

Para. 3.—Were the drain to be carried out to sea and closed with a valve, there would be no possibility of a bar of sand being thrown, even if there were a necessity. This is the point at issue.

Para. 4.—Here, I think, Mr. Pogson has confused sewer No. 3 with the main drain, and I am led to this belief by his saying "leaking and overflowing on to the casuarina plantation." He evidently means the plantation directly to the north of the pumping station. This has nothing whatever to do with the nuisance complained of by the Military authorities, viz., the pool at the outlet of the main drain—a pool that would not exist if the drain were extended to the sea. I may remark that the drain is never pumped "full bore." There is a standing order that there should be a clearance of 3 inches between the crown of the sewer and the surface of the water flowing. The sewer may have backed up owing to some impediment, such as leaves, &c., temporarily impeding the flow of the water.

So long as there is no rain, the main drain can be kept closed, and the nuisance complained of will not exist, as, I think, is proved by there being no complaint since the door was closed in January last. The leak in the sewer above referred to is being repaired, but so long as the outlet of the main drain remains away from low water mark, so long will there be the source of the nuisance caused by the stagnation at the mouth, when the door is opened. There must have been some good reason for the former extension, and I am constrained to maintain that that good reason exists now.

No. 271, Local and Municipal.

Transferred to the Public Works Department.

FORT ST. GEORGE,
13th May 1890.

(Signed) A. BUTTERWORTH,
Ag. Under-Secretary.

From R. E. ELLIS, Esq., A.M.I.C.E., Vice-President, Municipal Commission, to the Acting Under-Secretary to Government, Public Works Department, dated Madras, 22nd August 1890, No. 754 P.W.

With reference to our inspection of the northern outlet of the old main drain, I have the honor to submit the following notes:—

There are three doors in the drain east of the Fort pumping station—

No. 1 is close to the Engine house.

Nos. 2 and 3 are at the sea end of the drain.

No. 2 is an iron shutter faced with brass, and was made at the Public Works Workshop.

No. 3 is a simple flap of wood.

These are kept shut and are only opened in times of rain or when the engine is under repair.

In times of rain, the pump is stopped and the rain water and sewage are carried out to sea; after the rain is over, the doors are closed and the pump is started again, and the bund at the sea is allowed to form itself across the channel on the sand.

The consequence is that sewage remains between the door and the bund as the sill of the drain is lower than mean sea level.

In the rainy season this channel must be kept dug out, so that in a few moments the bund can be cut and the flood water allowed to pass out. In the dry season the channel is allowed to silt up, and at that time no nuisance is observed, which clearly proves that it is the stagnant water, between the drain and the sea, that is the cause of the nuisance, and the nuisance must continue so long as the outlet of the main drain is so far from the sea.

The iron door spoken of was well made, but there is always a little leakage, as bits of stick, straw and silt prevent it from being properly seated.

ORDER—dated 17th September 1890, No. 2483 W., Public Works.

From the papers above read, it appears questionable whether the nuisance complained of is due chiefly to the leakage from the outlet from the main drain or to the leakage from No. 3 drain; and the latter having been repaired, no further action will be taken until it is seen whether the nuisance continues.

2. Should this be the case, it will be necessary to extend the main drain so that its outlet is below low water mark, and the Government is of opinion that the cost of this extension must be borne by the Harbour Trust. An estimate should be prepared at once, in order that the work may be put in hand without delay if its execution should be found necessary.

3. A certain amount of nuisance appears to be caused by the use as a latrine of the casuarina tope in front of the light house battery, and as the existence of this tope and those in front of the Fort and the Napier battery is objectionable on sanitary grounds, His Excellency the Commander-in-Chief will be requested in the Military Department to state whether their retention is considered necessary for Military purposes.

4. In the meantime, the Municipality should take measures for their proper conservancy and for preventing them from being used as latrines.

(True Extract.)

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

To the Chairman, Madras Harbour Trust Board.
" Local and Municipal Department.
" Military Department.
" Marine Department.

Exd. T. K. Narayana Aiyangar.
Spare Copies

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated September, 17th.

Read. *Encl.*

G.O., 17th Sept. 1890, No. 2483 W.

SEPTEMBER.

Main drain near the Fort, Madras

Orders on correspondence relating to the nuisance caused in connection with the leakage from the —.

3-6/2483
2288 & 12-5-90

D. W.

2483 W

The best way of coming to an agreement about this matter, is I meet Mr Ellis at the Site (170) F. Main & decide whether it is really necessary to extend it or not. My opinion is that if the Municipality puts their drain in order, there is no necessity to extend the drain in question, for a cut can be made through the sand whenever it is necessary to let off storm water.

Mrs Forbes Read this when a reply is rec'd from the Municipality.

23.5.90

D. 23/5

Read letter from Supt Mt. Rr. C
Wm 140 & Wt. 11-20
Ltr Supt Wm 271 & 13-5-20
Ltr from Asst Supt Mt. Rr. C
Wm 7521 & 22-8-20

L.C. 45/2483

~~Caption~~ From the papers above read it appears that the Northern Pacific Railway Co. has complied with the requirements of the law in the matter of filing maps of the definite location of the line of its road through the Territory of Montana, and the Secretary of the Interior has approved the same, and the Commissioner of the General Land Office has directed the withdrawal of the lands opposite the line of said road as shown by the maps of definite location filed in the General Land Office, and the withdrawal has been accordingly made.

It appears that the line of said road as definitely located crosses the Missouri River at a point in the SW¼ of Section 31, Township 20 North, Range 3 East, Montana Meridian, and passes thence in a northwesterly direction through Townships 21 and 22 North, Ranges 3 and 4 East, Montana Meridian, to the point where it crosses the Yellowstone River in the NW¼ of Section 1, Township 22 North, Range 4 East, Montana Meridian.

The map of definite location of the line of said road through the Territory of Montana, filed in the General Land Office, shows that the line of said road as definitely located through Townships 21 and 22 North, Ranges 3 and 4 East, Montana Meridian, is identical with the line of said road as shown by the map of general route of said road through the Territory of Montana, filed in the General Land Office, and approved by the Secretary of the Interior, and the withdrawal of lands opposite the line of said road as shown by the map of definite location filed in the General Land Office, and the withdrawal has been accordingly made.

It appears that the line of said road as definitely located crosses the Missouri River at a point in the SW¼ of Section 31, Township 20 North, Range 3 East, Montana Meridian, and passes thence in a northwesterly direction through Townships 21 and 22 North, Ranges 3 and 4 East, Montana Meridian, to the point where it crosses the Yellowstone River in the NW¼ of Section 1, Township 22 North, Range 4 East, Montana Meridian.

The map of definite location of the line of said road through the Territory of Montana, filed in the General Land Office, shows that the line of said road as definitely located through Townships 21 and 22 North, Ranges 3 and 4 East, Montana Meridian, is identical with the line of said road as shown by the map of general route of said road through the Territory of Montana, filed in the General Land Office, and approved by the Secretary of the Interior, and the withdrawal of lands opposite the line of said road as shown by the map of definite location filed in the General Land Office, and the withdrawal has been accordingly made.

this
the act of entering into
be done by the Victorious
Trust - An citizen who
should be tried and ab
once in order that
the trial
evidence should be fresh in
memory of the jurors
and witnesses -

3- A certificate under the
seal of the Court of the one of a
Justice of the Peace in front of the
Light-House
Battery ; and
as the existence of this Light
and Shore in front
of the Fort and the Harbor
Batteries is objectionable
to ships passing
U. S. the Commissioners
City with be reported
in the Military Dept
to state whether
their retention is considered
necessary for military purposes

4- In the same time the
Municipal Authorities should
take such measures for
their Judges summoning
and for punishing those
persons who may not
attend -

5.9

1285

1

To the Chairman for Military
" Navy Dept
" Treasury Dept
" Interior Dept

Phs 108 Mc
W. avenue 4506
7979
Los Angeles Cal
2483

Witness that the
~~Southern~~ one two names
of Davis and which have
been confused with one
another, namely the
latter from No 3 claim
and that from the
~~one~~ outlet of the
entire claim -
The from the new
road and it is from the
that ~~the~~ the on the
other name of the
with came to and that the latter
new road -
Then and Beyond, as
finished at Los Eltis
along new one a certain
current of water from the
south of the in claim
thence into the
and a certain accumulation
of sewage between the
south of the claim and
the sea -
If it be found that the
removal from the same
contains the sewage in white

of the removal of steel from the Island the only means is the extinction of the mosquito; but the extinction of the mosquito is to be, even under most favourable circumstances, a work of time, and this should not bring us alone at the expense of the Harbour; the Bermuda Agitation will not bear examination.

It is reported that the entire Channel will not be examined for the present until it is seen whether the nuisance continues unabated.

Now appears from the D.C.E.'s note that a special survey of the entire Channel for the purpose of ascertaining the cause of the nuisance is now in progress by the Municipal Administration

280

10

10
2483

W

Please see the H.'s remarks on para 6 of the note for orders.

Your remarks probably meant that the nuisance should be prevented by the Municipality, i.e. the use of the Cassarina plantation as a latrine; but the H.-W. takes it to mean the removal of the plantation itself.

The "Copse" in question was planted by the W. Dept. on the requisition of the Military authorities a few years ago, its object is to screen the Lighthouse Battery from the sea. Similar plantations have been made between Fort St. George & the Sea, & in front & around the Napier Battery near the Convalescent Hospital.

between the Common head & the Lighthouse Battery is now a dense forest Cantonment.

This "screen" was made at the instance of the Defence Committee Calcutta, & it is not likely that the public authorities will listen to any proposals for its removal. The public prints have frequently written in strong terms pointing out what a nuisance the plantation had become, & how it ought not to be kept from the old land stand (Cooper's Point) & from the [illegible] to the effect.

Ans
27.7.80

Note H
1883

With reference to Mr Wise's remarks on June 6th

The undersigned's note of March 5th last, is to bring that the word "removal" referred to the nuisance, i.e. to the use of the tope as a retreat, and not to the tope itself.

This and other plantations were made at the instance of the Military authorities and at the instance of the Defence Committee, as a screen to the coast batteries, and it is unlikely that the Military authorities would consent to their removal.

It might perhaps be well to consider the subject in Council.

L
27.8

P.W.C. No. 7979

W.

I have examined the main drain and outfall, and find that the case is as stated by the President, Municipal Commission.

The situation of the leak and formation of road adjacent to the drain to be attended to by Mr. Pogson in para 4 of his letter No. 1370, which leakage is described as equal to the discharge from a 3" pipe, in some 150 yards

200

North of the Lantern outlet of Basin Drain and is in No 3 Drain. The necessary repair has been completed and there is now no leakage of any sort at this point —

I may however remark that the Catchment is limited as to area by a cutting with the usual result. This should be prevented if possible — The Inlet must be maintained

of course from the leakage through the door of the Lantern outlet. It probably is not very great —

Mr. Stokes, the late H.M. in describing this opened the discharge from a 3" pipe was evidently misled by the appearances after the doors could be made watertight. There would be no leakage, whereas no such — This however cannot be done, as every attempt to do so has failed — the torii of debris find their way into the drain

1114
2483

which prevents
the doors from
fitting tight -

The only remedy
for this state of
things is to do
what was done
in 1883, and
continue the
Southern outlet
down to the sea -

It is just possible
however that the
chief cause of
Lunch mud bar
bate in No 3 drain
now repaired -
There have been
no complaints
lately from the
Estate Farm

A certain amount
of silting does
however accumulate
in the channel
cut in the sand

from the outfall
to the sea - and
it is kept there
by the Land land
from across the
channel to prevents
the sea getting at
drain. The only
way
I entirely do
away with this
accumulation is
to extend the
outlet to the sea -

Since writing
the above I have
received the
accompanying
letter from Mr.
Ellis (No 754)
which explains
how the doors
are not watertight

O.O.B.
23.8.90

P. W. Department.

15
2083

Read the following:—

Letter from the President Mun^l Council Madras
No 140 d/30. IV. 90.

Enc^s thereon pm. the L^t M dep^t " 271 d/13. V. 90

Letter from the Presidt Mun^l Coun. Madras " 754 d/22. VIII. 90

FOR ORDERS.

It appears that there are two sources of nuisance which have been confused with one another, namely the leakage from No 3 drain and that from the outlet of the main drain.

2. The former has now been repaired and it is possible that this was the chief source of the nuisance and that the latter will cease to exist now that the cause has been removed.

3. There must however, as pointed out by Mr Ellis, always remain a

certain amount of leakage from the mouth of the main drain and during wet weather a certain accumulation of sewage between the mouth of the drain and the sea.

4. If it be found that the nuisance from this cause continues to be serious in spite of the removal of that from No. 3 drain the only remedy is the extension of the northern outlet of the main drain to below low water mark, and this should certainly be done at the expense of the harbour; Mr Pogson's objections must not bear examination.

5. It is suggested that the matter should stand over for the present until it is seen whether

FOR ORDERS

Bill has been ordered along - vide pp. 9 15/3/20 N. 856 L. and file July 1920 Ltr

Very well - but no estimate for any work to be done. The proposal is that it may be put in hand at once with a view if found necessary. Pursuant to decision with Lieut Col a Treasury Ltr

Ltr

27/5/20

the nuisance continues serious.

6. There appears from the D. C. E's Note to be a third source of nuisance, namely the use of the casuarina tops as a public latrine; the removal of this is merely a question of municipal administration.

13/16/2483

These tops were planted [illegible] under the direction of the Town Council - Chief. I think, therefore, the Authorities of the Borough of Port Louis should be informed of the nuisance.

Ltr

Before this C. in C. is sent to the Town Council I should personally like to see D. E. and the application of the C. in C. to the Town Council

Ltr

W 25.8

For orders

Oct 8. 1811.
Ans 25. 11.

Note.

14
11
2453

With reference to
H. M's remarks on para
6 of the undersigned's
note of the 25th instant,
it is observed that
the word removal refers
to the nuisance, i.e.
to the use of the tope
as a latrine, and not
to the tope itself.

This and other
plantations have been
made at the desire
of the Military authorities,
and at the instance
of the Defence Committee,
as a precaution the

Coast batteries, and it is unlikely that the Military authorities would consent to their removal.

It might perhaps be as well to consider the subject in Council

Yours truly

H.S.

H/87

27.8

10/15

2453

Special C

Pls 108 VIII
Hm 27 VIII

P. W. No. 140

MUNICIPALITY OF MADRAS.

Public Works Department.

Municipal Office,
Madras, 30th April 1890.

From

Lieut: C: G. M. J. Moore
President, Municipal Commission

To

The Chief Secretary to Government
Fort St George

Sir,

Enclosures.

1105 W
2484
572 A.L.
14-4-90

With reference to G. O. No. 866 W, Public Works, dated 15th March 1890, I have the honour to submit that I think there is a misconception as to the leakage due to the drain doors being that which Mr Bogan refers to. I propose to take Mr Bogan's letter in detail.

Para 2: He states that the outlet is only 320 feet from low water marks. I stated it was 360. I measured it again on the 28th April 1890 and found it to be 364 feet. I prefer to accept my own measurements: with regard to the future erosion of the reclaimed foreshore I can only say that such a total revulsion is beyond my comprehension.

Para 3. Were the drain to be carried out to sea and closed with a valve, there would be no possibility of a bar of sand being thrown even if there were a necessity. This is the point at issue.

Para 4. Here I think Mr Bogan has confused sewer No 3 with the Main Drain, and I am led to this belief by his saying "leaking and overflowing on to the Casuarina plantation".

He

the evidently means the plantation directly to the north of the Dumping station. This has nothing whatever to do with the nuisance complained of by the Military Authorities, viz. the pool at the outlet of the main drain. a pool that would not exist if the drain were extended to the sea. I may remark that the drain is never pumped "full bore". There is a standing order that there should be a clearance of 3 inches between the crowns of the sewer and the surface of the water flowing. The sewer may have backed up owing to some impediment, such as leaves or temporarily impeding the flow of the water.

So long as there is no rain the main drain can be kept closed and the nuisance complained of will not exist, as I think is proved by there being no complaint since the door was closed in January last. The leak in the sewer above referred to is being repaired, but so long as the outlet of the main drain remains away from low water mark, so long will there be the source of the nuisance caused by the stagnation at the mouth when the door is opened. There must have been some good reason for the former extension, and I am constrained to maintain that that good reason exists now.

I have the honor to be,

Sir

Your most obt. servt.

[signature] Lt. Col.

President, &c.

E.
P.H. 4506

17
2483

1105 Fn

5284 14-4-90

PWC № 4506

1890

Madras Municipality.

From

The President,
Municipal Commission,
MADRAS.

To

The Chief Secretary
to Govt.
Fort St George

P. W. No. 140

Dated 30 April 1890.

Despd. 1st May 1890.

Recd. 1 MAY 90

Enc.

Subject.

Submitting certain explanations regarding the unsanitary Condition of the Southern Outlet of the Main Drain near the North-East Corner of Fort St George -

/ North and Endorsement /

72 P

R 14.5.90

№ 271

Transferred to the Public Works Department.

A Butterworth.
Actg Under Secretary

V Rajagopal
Asst Fort St George
12th May 1890.

Write to the Act President & ask if he will kindly arrange for a meeting between Mr Ellis & myself to discuss this question.

D.W.
For Architect
16.5.90

To, The Public Works Dept.

MUNICIPALITY OF MADRAS.

P. W. No. 754

Public Works Department.
Municipal Office,
Madras, 22 August 1890.

5/18
2483
3 P

From

R. E. Ellis Esq. Assoc. M. Inst. C.E.
Vice President, Municipal Commission.

To

Major C. F. Boddy, R. E.,
Actg. Under Secretary to Govt.,
Public works department.

Enclosures.

Sir,

With reference to our inspection of the northern outlet of the old main drain, I have the honor to submit the following notes:-

There are 3 doors in the drain east of the Fort Pumping station.

№ 1 is close to the Engine house.

№ 2 & 3 are at the sea end of the drain.

№ 2 is an iron shutter faced with brass and was made at the Public works workshop.

№ 3 is a simple flap of wood.

These are kept shut and are only opened in times of rain or when the Engine is under repair.

In times of rain the pump is stopped & the rain water and sewage are carried out to sea; after the rain is over the doors are closed & the pump is started again & the bund at the sea is allowed to form itself across the channel on the sand.

The consequence is that sewage remains between the door & the bund as the sill of the drain is lower than mean sea level.

In the rainy season this channel must

must be kept dry out so that in a few moments the bund can be cut & the flood water allowed to pass out - In the dry season the channel is allowed to silt up & at that time no nuisance is observed which clearly proves that it is the stagnant water between the drain and the sea, that is the cause of the nuisance, and the nuisance must continue so long as the outlet of the main drain is so far from the sea -

The iron door spoken of was well made but there is always a little leakage as bits of stick, straw, &c will prevent it from being properly seated -

I have the honor &c &c

Sir

Your most obt servt

R. K. Ellis.

Vice President;
Mun. C

Memo No 2286 C dy 17. 8. 90
Fr. Area 856 W dy 16. 3. 90
Memo No 586 C dy 4. 2. 90
Fr. Area 2804 W dy 20. 11. 83
" " 8150 W dy 22. 12. 81
" " 2771 W dy 8. 11. 81

No. 2483 Lt.

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 17th Sept. 1890.

READ the following

Letter from the President,
Municipal Commission, Madras (A.E. No. 140 dy 30. IV. 90)

Endt thereon in the Local & Mun. dept. (" " 271 dy 13. V. 90)

Letter from the Vice President
Municipal Commission, Madras (" " 757 dy 22. VIII. 90)

From the papers above read it appears questionable whether the nuisance complained of is due chiefly to the leakage from the outlet from the main drain or to the leakage from No. 3 drain, and the latter having been repaired no further

action will be taken until it is seen whether the nuisance continues.

2. Should this be the case it will be necessary to extend the main drain so that its outlet is below low water mark, and the Government is of opinion that the cost of this extension must be borne by the Harbour Trust. An estimate should be prepared at once in order that the work may be put in hand without delay if its execution should be found necessary.

20/2483

3. A certain amount of nuisance appears to be caused by the use as a latrine of the casuarina tope in front of the Light-house battery, and as the existence of this tope and those in front of the Fort and the Napier battery is objectionable on sanitary grounds, His Excellency the Commander-in-Chief will be requested in the Military Dept. to state whether their retention is considered necessary for military

a purposes.

4. In the meantime the Municipality should take measures for their proper conservancy and for preventing them from being used as latrines.

8 Sept 5.9

Mw 9.9.9

Sept 7

The Chairman M.S.T.B.
" Ld Mgt dept
" Military dept
" Marine dept

found necessary.

21/2483

21
2483

Ohio 108. VIII
C 6. ff
Mss ff
Illus ff
m 15 ff
found necessary.

7979.

Govt. of India Madras.

PUBLIC WORKS.

Special

1879

D. Cypher 90 No 2483 W.

Main Drainage near
the Fort St. George.

Orders in Correspondence
relating to the nuisance
caused by in connection
with the Leakage from
the ——

100