Archives I—10,006—16-8-77.

409/75

(1) Number of pages 50.

(2) Date of repair 10, 11-11-86.

(3) Initials of the Referencer lcns.

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

publicworks DEPARTMENT

G.O. No. ~~B.P. No.~~ 409 Press. ~~Mis.~~

Dated 10. 2. 1879 ~~197~~ .

ஓ.அ.

Not to be folded or roughly handled

93

409
1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

10th February 1879, No. 409 W.

Buildings and Roads.
Civil works.

Read the following papers:—

No. 79. Endorsement of the Consulting Engineer for Railways, dated Madras, 26th October 1878, No. 536.

From H. R. P. CARTER, Esq., Officiating Chief Engineer, to the Agent and Manager of the Madras Railway Company, dated Madras, 28th September 1878, No. 821.

With reference to Consulting Engineer's letter, No. 1,044, of 20th current, giving cover to Proceedings of Government, dated 12th September 1878, I have to state that the open drain referred to does not carry any sewage from our station.

2. There are two covered main drains from outside which pass through our compound and discharge themselves into the open drain in the canal, but as these drains discharge no sewage from the Railway station I cannot see how the Company can be called upon to pay for making any portion of the open drain.

3. I may mention that, in a sanitary point of view, this open drain about 300 feet long is, in my opinion, objectionable. The effluvia from it is most sickening, and I think Government ought to be requested to convert it into a covered drain.

No. 1,332.

The Consulting Engineer for Railways for information.

(Signed) A. M. SAUNDERS,
Agent and Manager.

Madras,
30th September 1878.

From A. M. SAUNDERS, Esq., Agent and Manager of the Madras Railway Company, to the Consulting Engineer for Railways, dated Madras, 21st October 1878, No. 1,454.

In continuation of my endorsement, No. 1,332, of the 30th ultimo, I have the honor to invite your attention to the enclosed copy of the Officiating Chief Engineer's letter, No. 878, dated the 18th instant, as to the nuisance caused to the Company's servants and to passengers at the Central Station, Madras, by the stench from Cochrane's Canal.

2. I hope that some immediate steps will be taken to remove the serious nuisance complained of.

From H. R. P. CARTER, Esq., Officiating Chief Engineer, to the Agent and Manager of the Madras Railway Company, dated Madras, 18th October 1878, No. 878.

Referring to the last paragraph of my letter, No. 821, of 28th ultimo. The Traffic Manager now complains of the insanitary state of Cochrane's Canal adjoining the Central Station.

There is a bund thrown across the canal and two main sewers from the town are discharged through a shallow open drain into the canal north of the bund converting the whole of the canal in the neighbourhood into a cess-pool from which the odour is at times insufferable. When it is remembered that the fall of the canal is towards the sea it will at once be evident that there can be no means of getting rid of the sewage, and that the nuisance will increase until the canal for a considerable distance along our line will become an offensive mass of semi-putrid water and centre of disease.

I am informed that the serious illness of one of our officers, who is now obliged to proceed to England for the recovery of his health, is attributed by his medical attendant to the stench from this canal, and all the employés at the Central Station are complaining of the effects of being obliged to work, and in some cases to live, in this poisoned atmosphere.

May I suggest to you that it would be advisable to call on the Superintending Physician for a report on the subject with a view to calling on Government to abate the nuisance.

SUBMITTED to Government. The necessity for some action with the view of relieving the Central Station from the intolerable nuisance brought to notice by the Officiating Chief Engineer can hardly be exaggerated.

2. A private dwelling would under similar circumstances either be vacated or remain unlet; but in this case the officers of the Company, at least one of whom sleeps on the premises, are compelled by their employers to work in an atmosphere which is perfectly sickening even to those brought within its influence for the short space of time usually spent by travellers on the platform.

3. In the interests of humanity the Municipality ought to be compelled to relieve the neighbourhood of such an important thoroughfare from so dangerous a nuisance.

(Signed) C. J. SMITH, Major, R.E.,
for Consulting Engineer for Railways.

No. 79-A. Endorsement of the Consulting Engineer for Railways, dated Madras, 8th November 1878.

From A. M. SAUNDERS, Esq., Agent and Manager of the Madras Railway Company, to the Consulting Engineer for Railways, dated Madras, 2nd August 1878, No. 1,517.

IN continuation of my letter, No. 1,454, I beg to invite your attention to the enclosed copy of letter, No. 195, dated the 31st ultimo, from this Company's Superintending Physician as to the nuisance caused at the Central Station by the stench from Cochrane's Canal.

From S. H. HARRIS, Esq., M.D., &c., Superintending Physician, to the Agent and Manager of the Madras Railway Company, dated Royapooram, 31st October 1878, No. 195.

REFERRING to your endorsement on the Officiating Chief Engineer's letter of the 18th October, I have the honor to submit, for your information, the following report of my inspection of that portion of Cochrane's Canal adjoining the Central Station.

2. Mr. H. E. Church, the Traffic Manager, having kindly consented to meet me by appointment on the morning of the 26th instant at the Central Station, I was much assisted by his presence in examining carefully the outfall of the two large drains which enter the canal in this situation.

3. It will be observed that Cochrane's Canal is one of the great channels through which a great portion of the sewage of Madras finds its exit to the sea, and as might naturally be supposed any attempt at obstructing the natural course of such sewage might be expected to be in the highest degree injurious, and more than likely to be fraught with the most evil consequences, to the populace at large by forming as it would an accumulation of excreta which you are doubtless aware might in its course produce the *materies morbi* of an epidemic of cholera, typhoid fever, or any of the other types of zymotic diseases, such as dysentery, diarrhœa, &c.

4. The Public Works Department have lately constructed an embankment extending completely across the canal in this situation and causing as it does the entire obstruction to the free exit of all the sewage that accumulates above this point, and the consequence has been that of late the vitiated odour that proceeds from such a quantity of stagnant sewage has at times become so unbearable that it has ultimately compelled the officials and servants of the Traffic Department occupied at the Central Station to endeavour to have the cause of the nuisance removed as speedily as possible, one of the officers, it is stated, having contracted dysentery through the medium of the poison thus generated, and has been obliged to proceed on sick leave to England in consequence.

5. There is also a longitudinal embankment which causes the contents of the lower drain to become at times completely obstructed, and forms as it does a horribly disgusting cess-pool of excreta from which at all times the smell is in the highest degree insufferable.

6. It is, therefore, expedient that active measures should be at once instituted to cause the removal of the embankments in question, which are found to be solely the cause of the nuisance; and, in order to expedite matters, I would suggest a visit to the locality from the Chief Engineer of the Public Works Department, or the Medical Officer of Health of Madras, in order to give confirmation to the statements that have just been made on this all-important subject.

SUBMITTED to Government in continuation of this office endorsement, No. 536, dated 26th October 1878.

(Signed) W. H. COAKER, Captain, R.E.,
for Consulting Engineer for Railways.

No. 79-B. From Major ROSS THOMPSON, R.E., Executive Engineer, Presidency Division, to the Chief Engineer, Public Works Department, dated Pantheon Road, 9th November 1878, No. 4,638.

WITH reference to your memorandum, No. 5,062, of 8th November 1878, I have the honor to inform you that the bund in question was carried away on the 21st ultimo by a sudden rise in the Cooum level. The water in the Cooum rose steadily up to the 24th ultimo, widening the breach in the bund and washing away nearly the whole of the earthen embankment which diverted the sewage from the south to the north of the bund. On the 28th ultimo the levels of the Cooum and of Cochrane's Canal were almost the same.

2. The following are the instructions given by me to the North Sub-divisional Officer on the 23rd ultimo regarding the bund:—

"The present high fresh in the Cooum having breached the bund across Cochrane's Canal at the General Hospital bridge the Cooum water is flowing towards Ennore.

"The Northern Range Officer will permit this flow to continue as long as it can, but the moment the water in Cochrane's Canal begins to flow back again into the Cooum the breach in the bund at the Hospital bridge must be repaired again."

3. In consequence of the flood in the Cooum and the breaching of the bund at the Hospital bridge the nuisance complained of has been completely got rid of. A large amount of water has passed from the Cooum into Cochrane's Canal carrying with it towards Ennore the stagnant water and floating impurities which caused the nuisance. In accordance with the second paragraph of your memorandum under reply I have issued instructions to the North Sub-divisional Officer that "pending further orders on the subject the bund is not to be restored."

4. In my opinion the nuisance created by this bund is infinitely more serious than any it can possibly prevent. Moreover, it renders the Canal useless for such boats as are small enough to pass through the wooden pile railway bridge near St. Mary's bridge. This wooden pile bridge effectually bars the passage of the greater number of the boats on the Canal, but still a certain number of the smaller boats could pass up and down if the bund were removed.

5. Mr. Faulkner has just submitted his plan and report for the proposed lock at the Hospital bridge. They will be forwarded immediately I have made myself acquainted with them.

No. 79-C. *Note by the Chief Engineer, Public Works Department.*

THE bund across the Canal near the Hospital bridge was inspected by the Chief Engineer on the 9th. The breach in the bund, caused by a flood in the Cooum on the 21st ultimo, had not been closed; and as there had been free passage for the water towards Ennore for more than a fortnight the nuisance complained of near the Railway station had disappeared. This bund should not be restored, at least not till after the monsoon. The plan and estimate for a lock have at length been received from the Executive Engineer, Presidency, and will after examination be submitted for orders. The lock will in such a situation be necessarily a costly work, and it is questionable whether a lock or bund of any kind is now required.

12th November 1878. (Signed) E. A. FOORD, Colonel, R.E.,
Chief Engineer, P.W.D.

No. 80. ORDER THEREON, 10th February 1879, No. 409 W.

ORDERED to be recorded.

(True Extract.)

Colonel, R.E.,
Ag. Secretary to Govt., P.W.D.

To the Superintending Engineer, Third Circle.
— Consg Engr for Rys.

Exd. C. Howarth.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1879} Madras.

PUBLIC WORKS.

To

THE SUPERINTENDING ENGINEER,
THIRD CIRCLE.

Dated February 10th.

Issued

Encl.

Recd.

G. O., 10th February 1879, No. 409 W.

FEBRUARY.

Nos. 79-80.

Stench from the Cochrane's Canal near Central Station.—Papers regarding the complaint made by the Agent and Manager, Madras Railway, of the nuisance caused by the —, recorded.

409
A

No. 821.

Madras Railway Company
Chief Engineer's Office
Madras, 28th September 1878

The Agent and Manager.

Dear Sir,

With reference to Consulting Engineer's letter No. 1044 of 20th Current giving cover to proceedings of Government dated 12th September 1878, I have to state that the open drain referred to does not carry any Sewage from our Station.

There are two covered main drains from outside which pass through our Compound and discharge themselves into the open drain in the Canal but as these drains discharge no Sewage from the Railway Station, I cannot see how the Company can be called upon to pay for making any portion of the open drain.

I may mention that in a sanitary point of view this open drain about 300 feet long is in my opinion objectionable. The effluvia from it is most Sickening and I think Government ought to be requested

From

The Agent and Manager.

To

The Consulting Engineer

for Railways.

Dated 187

Recd.

No.

---

to convert it into a covered drain

Yours faithfully

(Sigd) H. R. P. Carter

Offg Chief Engineer

(True Copy)

Arthur M. Saunders.

Agent and Manager.

No. 1332

The Consulting Engineer for Railways for information

Madras

3rd September

1878

~~P.W. 12680~~ / 78

8

1244

MADRAS RAILWAY.

From The Agent and Manager.

To The Consulting Engineer for Railways.

Dated 30th Septr 1878

Recd. 10th

C.J.S. No. 1332

Forwards copy of letter from the Chief Engineer on the subject of the sewage from the open drains from the [illegible] Engineer's letter No 1044

To D.E. Presidency No. 1471 d 2-10-78

Pro. 9 10-2-79 No. 4094

P4

No. 1454

409 / 6

MADRAS RAILWAY.

AGENT AND MANAGER'S OFFICE,

Madras, 21st October 1878.

From Arthur W. Saunders Esqre
Agent and Manager. of the M. R. Co.

To Colonel J. Hall Shaw Stewart, R.E.
Consulting Engineer for Railways.

SIR,

In continuation of my endorsement No. 1332 of the 30th ultimo I have the honour to invite your attention to the enclosed copy of the Officiating Chief Engineer's letter No. 878 dated the 18th instant as to the nuisance caused to the Company's servants and to passengers at the Central station Madras, by the stench from Cochranes Canal.

2. I hope that some immediate steps will be taken to remove the serious nuisance complained of.

I have the honour to be,
Sir,
Your most Obedient Servt

Arthur W. Saunders
Agent and Manager

Copy sent to President Municipal Commission No. 1598 d 22 Oct /78

1354

MADRAS RAILWAY.

From The Agent and Manager.

To The Consulting Engineer for Railways.

Dated 21st Oct 1878
Recd. 22 " "
No. 1464

As to the nuisance caused by the stench from Cochrane's Canal

Reg 9 10-2-79 No. 409 W

409/7

No. 878.

Madras Railway Company
Chief Engineer's Office
Madras 18th October 1878

The Agent and Manager,

Dear Sir,

Referring to the last paragraph of my letter No. 821 of 28th ultimo - The Traffic Manager now complains of the insanitary state of Cochrane's Canal adjoining the Central Station.

There is a bund thrown across the Canal and two main sewers from the town are discharged through a shallow open drain into the Canal north of the bund converting the whole of the Canal in the neighbourhood into a Cess-pool from which the odour is at times insufferable. When it is remembered that the fall of the Canal is towards the Sea it will at once be evident that there can be no means of getting rid of the sewage and that the nuisance will increase until the Canal for a considerable distance along our line will become an offensive mass of semi putrid matter and centre of disease.

I am informed that the serious illness of one of our officers who is now obliged to proceed to England – for the recovery of his health is attributed by his Medical Attendant to the stench from this Canal and all the employes at the Central Station are complaining of the effects of being obliged to work, and in some cases to live, in this poisoned atmosphere.

May I suggest to you that it would be advisable to call on the Superintending Physician for a report on the subject with a view to calling on Government to abate the nuisance

Yours faithfully
Sd/ H. R. P. Carter
Offg Chief Engineer

(True Copy)

Arthur M Saunders
Agent & Manager

M

No 12603/78

Received with Agent's No 1456 of 21-10-78

Pro of 10-2-79 No 409 W

409/8

PUBLIC WORKS DEPARTMENT,

Railway Branch.

Consulting Engineer's Office,

Madras, 26th October 1878.

Endorsement from the Agent & Manager of the Madras Railway No 1332 dated 30th September 1878.

Letter from Do Do No 1454 dated 21st October 1878 with enclosure.

No. 53/b

SUBMITTED ________ to ________ Government

The necessity for some action with the view of relieving the Central station from the intolerable nuisance brought to notice by the Officiating Chief Engineer can hardly be exaggerated.

2 A private dwelling would under similar circumstances either be vacated or remain unlet, but

but in this case the officers of the Company, at least one of whom sleeps on the premises, are compelled by their employers to work in an atmosphere which is perfectly sickening even to those brought within its influence for the short space of time usually spent by travellers on the platform.

In the interests of humanity the municipality ought to be compelled to relieve the neighbourhood of such an important thoroughfare from so

dangerous

A 9/9

dangerous a nuisance.

C. L. Smith Major, R.E.,
for Consg: Engr: for Phys.

No. 1567

MADRAS RAILWAY.

AGENT AND MANAGER'S OFFICE.

Madras, 2nd November 1878.

From

Arthur M. Saunders Esq
Agent and Manager.

Colonel J. H. M Shaw Stewart R.E.
Consulting Engineer for Railways.

In continuation of my letter No 1454 I beg to invite your attention to the enclosed copy of letter No 195 dated the 31st ultimo from this Company's Superintending Physician as to the nuisance caused at the Central Station by the stench from Cochrane's Canal

I have the honour to be
Sir
Your most obedient Servant
Arthur M Saunders
Agent & Manager

MADRAS RAILWAY 11/12

From

The Agent and Manager.

To

The Consulting Engineer

for Railways.

Dated 2nd November 1878

Recd 4

No. 1517

Calls attention & encloses copy of letter from Cnsg: Phyn: as to the nuisance caused at the Central Station by the stench from Cochrane's Canal.

Pro of 10th Feby /79 No 409 H

Madras Railway Company
Consulting Physician's Office
No 195 Royapooram, 31st October 1878.

409/11

To

The Agent and Manager
Madras Railway Company

Dear Sir,

Referring to your endorsement on the Officiating Chief Engineer's letter of the 18th October, I have the honour to submit for your information the following report of my inspection of that portion of Cochranes Canal adjoining the Central Station.

Mr. H. E. Church, the Traffic Manager having kindly consented to meet me by appointment on the morning of the 26th instant at the Central Station, I was much assisted by his presence in examining carefully the outfall of the two large Drains which enter the Canal in this situation.

It will be observed that Cochranes Canal is one of the great channels through which a great portion of the sewage of Madras finds its exit to the sea, and as might naturally be supposed any attempt at obstructing the natural course of such sewage might be expected to be in the highest degree injurious, and more than likely to be fraught with the most evil Consequences, to the populace at large by forming as it would an accumulation of Excreta which you are doubtless aware might in its course produce the "Materies Morbi" of an epidemic of Cholera. Typhoid Fever, or any of the other Types of Zymatic Diseases such as Dysentery, Diarrhœa &ca

The Public Works Department have lately constructed an embankment extending completely across the Canal in this situation and causing as it does the entire obstruction to the free exit of all the sewage that accumulates above this point and the consequence has been that of late the vitiated odour that proceeds from such a quantity of stagnant sewage has at times become so unbearable that it has ultimately compelled the officials and servants of the Traffic Department occupied at the Central Station to endeavour to have the cause of the nuisance removed as speedily as possible, One of the officers it is stated having contracted Dysentery through the medium of the poison thus generated, and has been obliged to proceed on sick leave to England in consequence.

There is also a Longitudinal embankment which causes the contents of the lower Drain to become at times completely obstructed, and forms as it does a horribly disgusting Cesspool of excreta from which at all times the smell is in the highest degree insufferable.

409/12

It is therefore expedient that active measures should be at once instituted to cause the removal of the embankments in question, which are found to be solely the cause of the nuisance, and in order to expedite matters I would suggest a visit to the locality from the Chief Engineer of the Public Works Department, or the medical officer of Health of Madras in order to give confirmation to the statements that have just been made on this all important subject.

Yours &ca

sd/ S. H. Harris. M. D. &ca
Supg: Physician, M. R. Co

(True Copy)

Arthur W Saunders
Agent & Manager

Received with Agent's
Letter No. 1515 d 2-11-1878

Pro. of 10-2-79 No. 409 W

8/11

409
13

PUBLIC WORKS DEPARTMENT,
Railway Branch.

Consulting Engineer's Office,
Madras, 8th November 1878.

Letter No. 1517 dated 2nd November 1878 from the Agent and Manager of the Madras Railway Company with reference to the nuisance caused at the Central Station by the stench from Cochrane's Canal.

No.
SUBMITTED ______ to ______ Government in continuation of this office endorsement No. 536 dated 26th October 1878.

W H Walker
Captain, R.E.,
for Consg. Engr. for Railways

No. 4638. P. 12

From,

The Executive Engineer,
Presidency Division 409/14

To,

The Chief Engineer,
P.W.D.

Sir,

With reference to your Memo. No. 5062 of 8th November 1878, I have the honor to inform you that the bund in question was carried away on the 21st ultimo by a sudden rise in the Cooum level. The water in the Cooum rose steadily up to the 24th ultimo, widening the breach in the bund and washing away nearly the whole of the earthen embankment which diverted the sewage from the south to the north of the bund. On the 28th ultimo the levels of the Cooum and of Cochrane's Canal were almost the same.

2. The following are the instructions given by me to the North Sub Divisional Officer on the 23rd ultimo regarding the bund

"The present high fresh in the Cooum "having breached the bund across Cochrane's "Canal at the General Hospital Bridge, the "Cooum water is flowing towards Ennore. "The Northern Range Officer will permit

"permit this flow to continue as long as "it can, but the moment the water in "Cochrane's Canal begins to flow back "again into the Cooum, the breach in the "bund at the Hospital Bridge must be "repaired again."

3. In consequence of the flood in the Cooum and the breaching of the bund at the Hospital Bridge, the nuisance complained of has been completely got rid of. A large amount of water has passed from the Cooum into Cochrane's Canal, carrying with it towards Ennore the stagnant water and floating impurities, which caused the nuisance. In accordance with the 2d para of your Memo. under reply, I have issued instructions to the N.S.D.O. that "Pending "further orders on the subject the bund is "not to be restored".

4. In my opinion the nuisance created by this bund is infinitely more serious than any it can possibly prevent. Moreover it renders the Canal useless for such boats as are small enough to pass through the wooden pile Railway Bridge near St. Mary's Bridge. This wooden pile Bridge effectually bars the passage of the greater number of the boats on the Canal, but still, a certain number of the smaller boats could pass up and down, if the bund were removed.

5. Mr Faulkner has just submitted his plan and report for the proposed lock at the Hospital Bridge. They will be forwarded immediately. I have made myself acquainted with them.

I have the honor to be

Sir,

Your most obedient servant

W. Humphrey Major R.E.

Executive Engineer

Presy Divn

Pantheon Road,
9th Novr 1878.

Geo. L.
vp

P 11 1878

No. 1260/7

General

From,

The Executive Engineer,
Presidency

No. 4638.

Dated 9th } Novr. 1878.
Recd 11th }

Ex. 5062 W. 8th Novr. 1878 -

Pro. of 10-2-79 No. 409 W

Bund across Cochrane's Canal - (near Gl. Hospl. Bridge)

Reports the date on which the - was carried away, with further explanation

—

Ex 13-11-78.

Letter from Consulting Engr. No. 536 dated 26 Oct/78
ditto ditto No. — dated 8 Nov/78
ditto Executive Engr, Presidency No. 4638 dated 9 Nov/78

P 14

The bund across the canal near the Hospital bridge was inspected by the Chief Engineer on the 9th. The breach in the bund, caused by a flood in the Cooum on the 21st ult., had not been closed; and as there had been free passage for the water towards Ennore for more than a fortnight, the nuisance complained of near the Railway Station had disappeared. This bund should not be restored, at least not till after the Monsoon. The plan and estimate for a lock have at length been received from the Executive Engineer, Presidency, and will after examination be submitted for orders. The lock will in such a situation be necessarily a costly work, and it is questionable whether a lock or bund of any kind is now required.

16

E C Ford Col. R.E.
Chief Engineer
P.W.D.

November 12th/78

Pre 2/10-2-77 No 4097r

409/18

From
The Consulting Engineer
for Railways,

No: 126.24

No.
Dated 8 } Nov
Received 8

No. of Enclosures 2

Subject.

Transferred from the Rys Office.

From

The Consulting Engineer
for Railways,

No. 12630

No. 536
Dated 26 October 1878
Received

No. of Enclosures. 3

Subject.

Letters from the Agent & Manager Madras Railway complaining of the nuisance caused by the stench from Cochrane's Canal near Central Station

See 7/10-2-79 No. 409 to

Recd 4-11.78.
Cir 29-10.78 Retd 4-11.78
O.L. Sheet 101 Octo.

PUBLIC WORKS DEPARTMENT.

409/20

Note by the Chief Engineer, P.W.D.
dated November 12th/78.

FOR ORDERS.

E.A. Wood Col. R.E.
Secretary to Govt.

These papers [illegible] for orders. I confess to thinking that the Bund or Lock must remain a nuisance so long as the sewers discharge into the Canal. & I cannot see the use of [illegible] for them. The whole line of navigation from Ennore to Pulicat [illegible] my opinion be [illegible] [illegible]. & I think [illegible]

obstruction caused by the S. I. Ry pile bridges is a serious nuisance & sh'd be abated as speedily as possible.
I presume that it is not now possible for the Salt boats from Southern pans to reach the Salt Kotaros & so replenish the Stock there.

S. A.

I concur
16/12 [illegible]

The [illegible]
[illegible] been
[illegible]
[illegible]
the boats & the [illegible]
[illegible] has [illegible]
[illegible]

[illegible] The [illegible]
[illegible] apparently [illegible]
the [illegible] took close
[illegible]

FOR ORDERS.

Hon. W. Hudleston
Hon. Sir W. Robinson
[illegible]
& Maj. A. J. Cunningham
[illegible]

But [illegible] water [illegible] may perhaps [illegible] can bear adjustment. A regulator [illegible] is also [illegible] South Canal - so as to [illegible] Adyar water up -

The [illegible] in Canal is [illegible] due to the [illegible] at the [illegible] & near the Canal having been [illegible] common sewer - Have not [illegible] a right to prohibit this?

The drains referred to are very [illegible] [illegible] & [illegible] be done away with & replaced by surface drainage - [illegible] the drainage not naturally falling to the Canal being [illegible] out. [illegible]

12677
[illegible] 1879

Await result of Committee's Report on [illegible] [illegible] in [illegible]

15/1
E. H. J.

Resubmitted. The Committee's report having been [illegible] of the [illegible] the papers may it is thought be recorded with reference to the order ~~calling for~~ appointing the Committee

617

6/2

P.W. Dept.
Railway Branch.

From the Consulting Engineer for Railways No. 536 dated 26th October 1878.

909/2

For Orders.

J. Manthwont
28/10. Colonel R.E.
Jt. Secy: to Govt. P.W. Dept.
Railway Branch.

This must go to H.G. the Govr for orders. It must seem that circulation of water thro' the canal is essential to prevent the discharge of sewage in it from becoming an indisputable nuisance & that the removal.

of the dam at the Hosp:
Bridge is essential &
also of this circulation
I understand that this
dam is maintained &
precludes the flow of
sewage into the Cooum
but I believe that the
alteration in the Canal
is a more serious
nuisance. Possibly
some arrangt. for
admitting water at
high tide when the Bar
is open & so flushing
the Canal might
improve matters consy

I do not understand
what open drain is referred
to —

The intention explained
to me — was that the Cooum
be maintained nearly at H. W
level or ~~[illegible]~~
that — water at that level
be allowed to flow thro
Canal towards Ennore — thus
keeping the Canal water
freshened & this influx
and keeping all the sewage
out of Cooum —

No such evil as now
described arose at same
place last year — There
there must have been some
change in arrangements —

The dam may have been
kept or raised too high —
the formation of the
[illegible] Canal

& Cooum will occupy
I apprehend that very
place and shd be finished
on with utmost vigour —
then there will be a
stone or masonry weir
for the water to flow over

It is possible that the
opening of South Canal &
the prosecution may have
affected the water level in
Cooum if so: regulating
lock will be needed at
North End of Sadras Canal
so as to prevent Adyar &
Cooum water passing down
to Covelong — and keep
the Adyar water up to
assist the Cooum —

The immediate steps of
alteration shd be to
take care that ~~the dam~~ [illegible]

at Hospital bridge be
kept at proper level –
That Cooum be kept to H.W.
Mark –
That the drains be properly
attended to by Municipality
open drains being scavenged
& cleaned with disinfectants –

The permanent measures
being the construction of
the proper lock & weir by
the Govt. and the proper
arrangement of the drainage
by the Municipality – by sewage
drainage of the small area
and doing away with the sewer
drains referred to in the
use of dry earth system
existing at the R.W. Station of
not – [illegible] done – 5/11
Recd 4-11-78.
Cir 29-10-78. Retd 4-11-78.
Ch. Secy 10 Octr

Transferred to the Secy.
to Govt., Public Works
Dept., with reference
the remarks by His Grace
the Governor.

Works

Public Works Department No. 9/24

No 409 W

15

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 10 Feby/79

Read the following:—

From the Consg. Engr. for Railways (H.E. No 536 of 26th Octr/78)
Do — Do — (— 8th Novr/78)
" Ex. Engr. Presidency (— 4630 of 9 do)
Note by the Chief Engr. Mrs. (— of 12th Novr/78)

Recorded.

Ell. 8/2

S.E. Third Circle 46
27 Despd. 4-3-79
Despd. 6-3-79 to Cml. Engr. for Rlys.

C. 12630

Govt. of {1870} Madras.

PUBLIC WORKS.

12-2-79

To

Date

Issued

Recd. Encl.

G. O., 10 Feby 1879, No. 609 W

Nos. 79-80

Stench from the Cochrane Canal near Central Station — Papers regarding the complaint made by the Agent & Manager M. Ry of the nuisance caused by the — recorded