M.R.O. 1—10,006—28-2-50.

(1) Number of pages_____

(2) Date of repair_____

(3) Initials of the Referencer_____

MADRAS RECORD OFFICE

Government of Madras

pub. works DEPARTMENT

G.O. No.	3287	Press
~~B.P. No.~~ 357,58		~~Mis.~~
Dated	20 · 11 · 1874.	195 . .

Not to be folded or roughly handled

No. 357. Read the following letter from Lieutenant-Colonel J. H. M. SHAW-STEWART, R.E., Consulting Engineer for Railways, to Colonel G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Madras, 26th October 1874, No. 649:—

I HAVE the honor to submit, for the information of Government, the enclosed letters from the Agent of the Madras Railway, reporting that the South-West Line between the 133rd and 145th miles sustained damage during the end of last month from the bursting of several tanks in the neighbourhood of Tripatore.

28th September 1874,	No.	862.	
13th October	,,	,, 912.	
23rd ,,	,,	,, 954.	

2. The Chief Engineer, in his letter dated the 12th instant, No. 685, states that most of these tanks, all of which are unprovided with calingulahs, were repaired in a very unsafe manner, and on the 14th idem I addressed the District Engineer of Salem on this subject.

3. On referring again to the list, however, I find that only one of the tanks is the property of Government, the remainder belonging to Inamdars or Mittahdars, over whom the Public Works Officers have no control. It appears very necessary that some steps should be taken to compel the owners of tanks to use ordinary precautions for ensuring their safety by the provision of calingulahs, and I observe that Government in the order marginally noted have called for a report on the existing state of the law.

No. 2,511, dated 4th September 1874.

From T. H. GOING, Esq., Acting Chief Engineer, to R. B. ELWIN, Esq., Agent and Manager of the Madras Railway Company, dated Madras, 28th September 1874, No. 650.

I HAVE just received the following telegram from Resident Engineer, 2nd Division, South-West Line, reporting that ballast had been washed away between Jollarpett and Tripatore:—

"From Scott, Cadgoody, to Chief Engineer, Royapooram, dated 28th September 1874.

"ALLEN reports six chains of ballast washed away at 135th mile, South-West Line; no further damage."

No. 862.

FOR the information of the Consulting Engineer for Railways.

(Signed) R. B. ELWIN,
Agent and Manager.

MADRAS,
28*th September* 1874.

From R. B. ELWIN, Esq., Agent and Manager of the Madras Railway Company, to Lieutenant-Colonel J. H. M. SHAW-STEWART, R.E., Consulting Engineer for Railways, dated Madras, 13th October 1874, No. 912.

I HAVE the honor to enclose you a copy of the Acting Chief Engineer's letter, No. 685, of the 12th instant, calling attention to the state of several tanks in the Salem District, a list of which is embodied in the letter.

2. You will notice that the tanks in question breached during the latter part of September and did considerable damage to the line, and that the Chief Engineer states that the repairs which have since been executed are not of a sufficiently substantial nature to prevent danger during the ensuing north-east monsoon.

3. I request therefore that you will be so good as to call the immediate attention of the proper authorities to the subject.

From T. H. GOING, Esq., Acting Chief Engineer, to R. B. ELWIN, Esq., Agent and Manager of the Madras Railway Company, dated Madras, 12th October 1874, No. 685.

I BEG to report that during the very heavy rains which fell in the latter part of September several tanks in the neighbourhood of Tripatore (Salem District) were breached, and caused much damage to the way and works between 133rd and 145th miles. The floors of a 15-feet arch at 134-5 and of a 20-feet arch at 143-5 were washed away, and the water rose over the parapet of a 6-feet arch at 135-16. The outlets of two 3-feet arches at 134-7 and 134-8 were scoured to a great depth, and the slopes of the embankment were washed away. The bridges fortunately stood the test. From 135-5 to 135-7 the ballast was completely washed away, leaving the rails suspended.

2. The Resident Engineer gives the following list of tanks which breached on this occasion in the neighbourhood of Tripatore, and states that most of them have been patched up in a very unsafe way for the north-east monsoon, and that if they should again fill they will be almost sure to again breach. The matter should therefore be brought to the notice of Government without delay.

3. The list is as follows :—

1. Cuttary tank, Cuttary village, bund partly revetted, no calingulah; in possession of Naraynasawmy Reddy, Mittadar; breached in two places, opposite 133-2.
2. Mootoor tank, Mootoor village, partly revetted, no calingulah, Government tank, breached in two places, opposite 134-5.
3. Mookanoor tank, Mookanoor village, partly revetted, no calingulah; in possession of Condasawmy Chetty, Mittadar; breached in two places, opposite 135-5.
4. Pooliangootta tank, Pooliangootta village, not revetted, no calingulah; in possession of Vencatarama Iyer, Inam; breached in five places, opposite 135-16.
5. Shevatoor tank, in possession of Meertheen Sahib of Tripatore; opposite 143-5.

From the same Officer, dated Madras, 22nd October 1874, No. 709.

CONSULTING Engineer's docket, No. 968, of the 13th instant.

In my letter No. 685, of 12th instant, a full account is given of the bursting of tanks near Tripatore, and the damage caused thereby.

2. It was the breaching of one of these, Mookanoor, that was the immediate cause of the ballast being washed away at 135th mile.

3. The nearest village to the scene of the accident is Mookanoor.

No. 954.

To the Consulting Engineer for Railways for information in continuation of my letter No. 912 of the 13th instant.

MADRAS,
23*rd October* 1874.

(Signed) J. W. MELLIS,
for *Agent and Manager.*

No. 358. ORDER THEREON, 20th November 1874, No. 3,287.

RAILWAY, No. 57.

COMMUNICATED to the Chief Engineer for Irrigation and District Engineer of Salem in continuation of G. O., No. 2,511, of 4th September 1874. The former officer will take immediate steps

Proceedings of the Madras Government, Public Works Department,
20th November 1874.

for the effectual and permanent repair of the Government tank of Mootoor, which is reported to have no calingulah.

2. The Collector will be instructed in the Revenue Department to give formal notice to the proprietors of the other tanks specified as being private property, that should they restore such tanks without at the same time providing such vent for surplus water, and take such other precau[illegible] shall be sufficient to ensure them against breaching in future, they will, according to the late judgment of the Privy Council, be liable for any damages accruing to the Railway, as having neglected "to do something that a reasonable man would do, or—,doing something that a reasonable man would not do, in either case unintentionally causing mischief to a third party."

3. The Officers of the Department of Public Works will inspect and report on the character of any repairs which may be made, and will afford such advice and assistance as may tend to the public safety.

4. There can be no difficulty and but little expense, it is observed, in assuring the perfect safety of the portion of Railway affected by these tanks as it lies close to a water-shed, and there is no possibility of any great accumulation of waters occurring between it and the line. Still such reservoirs as exist must be made perfectly safe by whomsoever they belong to.

5. The Board of Revenue will be requested to expedite their reply to G. O., No. 2,511, dated 4th September 1874.

(True Extract.)

(Signed) G. W. WALKER, Colonel, R.E.,
Secretary to Government.

To the Consulting Engineer for Railways.
,, Chief Engineer for Irrigation.
,, District Engineer, Salem.
,, ~~Revenue Department.~~
,, District Engineer, Bellary.
,, ,, Cuddapah.
,, ,, North Arcot.
,, ,, South Arcot.
,, ,, Bangalore.
,, ,, Tanjore.
,, ,, Coimbatore.
,, ,, Trichinopoly.
,, ,, Madura.
,, ,, Chingleput.
,, ,, Malabar.
,, ,, Tinnevelly.

Exd. S. T. Austin.

Spare Copies

No 685

Madras Railway Company
Chief Engineer's Office
Madras 12th October 1874.

The Agent and Manager
Dear Sir,

I beg to report that during the heavy rains which fell in the latter part of September several Tanks in the neighbourhood of Periatore (Salem District) were breached and caused much damage to the Line and works between 133 and 145 Miles. The floors of a 15 feet arch at 134/5 and of a 20 feet arch at 143/5 were washed away and the water rose over the Parapet of a 6 feet arch at 135/16. The outlets of two 3 feet arches at 134/7 and 134/8 were scoured to a great depth and the slopes of the embankment were washed away. The Bridges fortunately stood, the test. From 135/6 to 135/7 the ballast was completely washed away leaving the Rails suspended.

2. The Resident Engineer gives the following list of Tanks which breached on this occasion in the neighbourhood of Periatore and states that most of them have been patched up in a very unsafe way for the ensuing South East Monsoon and that if they should again fill they will be almost sure to again breach - The matter should

Agent & Manager (4).

should therefore be brought to the notice of Government without delay.

3. The list is as follows:-

1. Cuttary tank, Cuttary village; bund partly revetted, no Calingula, in possession of Narayanaswamy Reddy, Mittadar, breached in two places, opposite 183/2

2. Mootoor tank, Mootoor village, partly revetted, no Calingula, Government tank, breached in two places, opposite 184/5

3. Mookanoor tank, Mookanoor village, partly revetted, no Calingula, in possession of Coodasawmy Chetty, Mittadar, breached in two places, opposite 185/5

4. Poolangootta tank, Poolangootta village, not revetted, no Calingula, in possession of Veera Tarama Iyer, Inam, breached in five places, opposite 135/16

5. Sheratoor tank, in possession of Meerasaib of Trupatore, opposite 143/5

Yours faithfully
pro H. H. Going
My Chief Engineer

1 True Copy
W. F. Irwin
Agent & Manager

No. 912

MADRAS RAILWAY.

AGENT AND MANAGER'S OFFICE.

Madras, 13th October 1874.

From

R. D. Clarke Esqre

Agent and Manager. of the M. R. Co.

To

Lt Col. H. Hell. Shaw R.E. C.B. &c.

Consulting Engineer for Railways.

SIR,

I have the honour to enclose for your information a copy of the acting Chief Engineer's letter No. 1585 of the 12th instant calling attention to the state of several Tanks in the Salem District & the last of which is embodied in the letter.

2. You will notice that the Tanks in question breached during the latter part of September and did considerable damage to the line, and that the Chief Engineer states that the repairs which have since been executed are not of a sufficiently substantial nature to prevent danger during the ensuing North East Monsoon.

3. I request therefore that you will be so good as to call the immediate attention of the proper authorities to the subject.

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

W. F. Irwin
Agent & Manager.

SP 4

Madras Railway Co.
Chief Engineer's Office.
Madras 28th Septr 1874.

No 650.

The Agent and Manager,

Dear Sir,

I have just received the following telegram from Resident Engineer 2nd Division South West Line reporting that ballast had been washed away between Jollarpett and Trichatore.

"28/9/74 - 11.41 Am.

Scott — to Chief Engineer.
Cadgeody — Royapooram

Allen reports nine chains of Ballast washed away at 135th mile South West Line - no further damage."

Yours faithfully,
for Secretary & Manager
for Engineer-in-Chief.

True Copy

[illegible]
Agent & Manager

No 650

For the information of the Consulting Engineer for Railways.

Madras
28th Septr 1874.

Rly. Dept. No. 359.
MADRAS RAILWAY.

From
The Agent and Manager.
To
The Consulting Engineer
for Railways.

Dated 1st October 1874.
Read 4th Idem.
No. 912.

Requesting copy of letter from the Resy Engineer Calling attention to the state of the Railway between the 135th & 136th Miles.

Copy sent to the Secretary Board of Commissioners.

159

MADRAS RAILWAY.

From

The Agent and Manager.

To

The Consulting Engineer
for Railways.

Dated 2nd Octr 1874

No. 862

Reporting that ballast washed away at 135 mile

P. W. Ellis

Madras Railway Company
Chief Engineers Office
Madras 22nd October 1874

No. 709

The Agent and Manager

Dear Sir

Consulting Engineer's docket No: 968 of 4th instant.

In my letter No: 685 of 12th instant full account is given of the bursting of tanks near Tripatore and the damage caused thereby.

It was the breaching of one of these Mookanoor, that was the immediate cause of the ballast being washed away at 135th mile.

The nearest village to the scene of the accident is Mookanoor.

Yours faithfully
/signed/ Francis B Hanna
for Ag: Chief Engineer

/True Copy/

P. W. Ellis.
for the Agent and Manager

No: 954

The Consulting Engineer for Railways
for information in continuation of my letter
No: 912 of the 13th instant.

Madras
3rd October
1874

Railway Department. CONSULTING ENGINEER'S OFFICE.

No. 649.

From

LIEUT.-COLONEL J. H. M. SHAW STEWART, R.E.,

Consulting Engineer for Railways,

To

COLONEL G. W. WALKER, R.E.,

Secretary to Government,

Public Works Department.

Fort Saint George.

SIR,

I have the honour to submit for the information of Government the enclosed letters from the Agent of the Madras Railway, reporting that the South-West line between the 133rd and 145th miles sustained damage during the end of last month from the bursting of several tanks in the neighbourhood of Tripatore.

2. The Chief Engineer, in his letter dated the 12th instant No. 685, states that most of these tanks all of which are unprovided with Calingulahs were repaired in a very

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Rec'd 28th September 1874
Ans'd 13th October "
23rd "

366

MADRAS RAILWAY.

From

The Agent and Manager.

To

The Consulting Engineer for Railways.

Dated 23rd September 1874.

Recd. 24. "

No. 951

Reporting the bursting of tanks near Tripatore and the damage caused thereby.

Bro 7/10/74

Rep. D 20 Nov 1874
Ans. 13 Dec No. 3552

very unsafe manner, and on the 14th inst. addressed the District Engineer of Salem on this subject.

3. On referring again to the list, however, I find that only one of the tanks is the property of Government the remainder belonging to inamdars or mittadars, over whom the Public Works Officers have no control. It appears very necessary that some steps should be taken to compel the owners of tanks to use ordinary precautions for ensuring their safety by the provision of cast-iron and I observed that Government in the order originally noted, have called for a report on the existing state of the law.

I have the honour to be
Sir
Your most obedient servant

Madras
26th October
1874
24 Encl.

W. Coake Lieut. R.E.
for Chief Engineer for Ry.

No. 2511, dated 4th September 1874.

P. W. 1874 Dept.
Rec. of Govt for Nov

RAILWAY DEPARTMENT.

From No: 6716

The Consulting Engineer
for Railways,

To

The Secretary to Government,
P. W. Department,
Fort Saint George.

Dated 26th Oct 1874.

Recd. 27

E. 4.

No. 669.

Forwarding with remarks superintending damage to the Stone of the Railway between 133 & 146 miles by bursting of tanks in the neighbourhood during the end of last month

E.E. No: 3287. 20-11-74.

No 357

Recd 6 Oct 27 Oct/74

be instructed in the Re-
mance Department to
give formal notice to
the proprietors of the
other Lands adjacent
as being private property
that should they restore
such tanks destroyed at
the same time providing
such other & sur-
-plus water and table
such other precautions
as shall be sufficient
to ensure them against
breaching in future they
will, according to the
late judgment of the

Add the Opinion of the Pr
with respect to the
character of any repairs that
may be made - and will
afford such advice and
assistance as may
lead to the public safety

Privy Council, be liable
for all damage accruing
to the Railway, or having
required" to do something
that a reasonable man
would do, or x doing some-
-thing that a reasonable
man would not do, in
either case irrespectively
to a third party."

There can be no dif-
-ficulty, and but little
expence, it is observed,
in assuring the perfect
safety of the portion of
Railway affected by these
Lands as it lies close
to

to a watershed, and
there is no possibility of
any great accumulation
of waters occurring be-
tween it and the dam.
Still such reservoirs
as exist must be made
perfectly safe by whom-
soever they belong to.

Genl

Ref Th Bd of Rev will be
requested to add this
Dept to SO No 2571 of
4th Sept. 1874

357-358.

Cir 6/11/74

To the Civil Engr for Dept.
" Chief Engr for Irrn
" Revenue Dept
" D. C. Salem
" Bellary
" Cuddapah
" N. Arcot
" S. Arcot
" Bangalore
" Vizagpatam
" Canjeveram
" Trichinopoly
" Madura
" Coimbatore
" Palakad
" Tinnevelly

Sd/- H. S. Caprir dated 25/11/74.

6779

Govt. of 1874 Madras.

PUBLIC WORKS.

To

The Asst. Engr
for Mys

Dated

Recd. Encl. 4

G. O. 20 Nov 1874, No. 328

Nos 157-158

Damages (Madras Ry)

Passing orders on letter from the Consg. Engr. Rys. submitting papers from the Agent Mhe Madras Ry reporting that the South West line between the 133d & 145th miles sustained damages during Septr. last from the bursting of several tanks in the neighbourhood of ~~Trip~~ Trip alore

Coe 6/11/74

Tinnevelly
Supt. Capnl dated 25/11/74.