

(1) Number of pages _____

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MADRAS RECORD OFFICE

Government of Madras

Public Works

DEPARTMENT

G.O. No.	3424- Rly	Press
B.P. No.		Mis.
Dated	5-12-74	195

Not to be folded or roughly handled

No. 108. 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, 20th November 1874, No. 711 :—

I HAVE the honor to submit, for the sanction of Government, an estimate, amounting to Rupees 6,926, of the cost of raising the line at the 373rd and 377th miles of the South-West Line of the Madras Railway. A plan* also accompanies the estimate.

• No. 522.

2. In forwarding the estimate the Agent quotes as follows from a letter from the Acting Chief Engineer :—

Raising line at 373rd and 377th miles.—"The necessity for these changes is fully explained in my last half-yearly report, from which the following is an extract :—

"During the July rains of last year the back-waters of the Ponany and Thotha rivers rose in several places between 372nd and 377th miles nearly to the top of the embankment, and in two instances, viz., on the 372nd and 377th miles, the rails were submerged to the depth of 6 to 8 inches. The monsoon of 1867 was attended with precisely similar effects, and the orders of Madras Government, Nos. 2,347 and 2,348, of 3rd August of that year, record the results of an inspection by the Consulting Engineer, Agent and Manager, and the Chief Engineer. The conclusions then arrived at were that it would probably be found advisable to raise several portions of the embankment, but that as the inundation was not accompanied by any scour and caused but little damage, it would not be necessary to incur the heavy outlay of increasing the headway of the bridges. My recent consideration of the subject leads me to the same conclusions, and I am about bringing forward an estimate for raising the embankment by 2 to 3 feet at the two localities where the rails were submerged in 1867 and 1873."

3. Colonel Anderson in reporting on the submergence of the line at the locality in July 1867 wrote as follows :—

"It will probably be found advisable to raise several portions of the embankment, which can be done at a moderate expense, but as the damage that has occurred is of trifling extent, and the interruption to traffic of but little importance, I question if it will be expedient to incur the heavy outlay which would be necessary to raise all the bridges on the portions of the line which have been submerged, since future floods that may be anticipated are not likely to be more injurious than those of the present season, which have not injured the bridges at all."

4. I have often discussed this matter with the Railway Authorities, and have had many opportunities of inspecting the portion of the line which it is proposed to raise. I am satisfied as to the expediency of carrying out the work, and recommend it for sanction.

5. Funds are available under Section G. of the Budget Estimate for 1874-75. It is proposed that sanction shall lapse at the end of the fourth quarter from date of receipt.

Proceedings of the Madras Government, Public Works Department,
5th December 1874.

No. 109.

ORDER THEREON, 5th December 1874, No. 3,424.

RAILWAY, No. 17.

His Excellency the Governor in Council concurs with the Consulting Engineer and the Railway Authorities as to the necessity for raising the embankment at the 373rd and 377th miles of the South-West Line of the Madras Railway, and sanctions the estimate submitted for the purpose amounting to Rupees 6,926.

2. As proposed the expenditure will be charged to Revenue and met from the Budget provision in Schedule G.

3. This sanction will lapse at the end of the fourth quarter after receipt.

(True Extract.)

Colonel, R.E.,

Secretary to Government.

To the Consulting Engineer for Railways.
.. Examiner of Railway Accounts.

Exd. S. T. Austin.
Spare Copies

Railway Department.

CONSULTING ENGINEER'S OFFICE.

No. 711

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 sanction of Government an estimate, amounting to Rupees 6,926 of the cost of raising the line at the 373rd and 377th miles of the South-West line of the Madras Railway. A plan also accompanies the estimate.

2 In forwarding the estimate the Agent quotes as follows from a letter from the Acting Chief Engineer:—
The

W. 522.

Raising line at
373rd and 377th
miles. } The necessity
for these changes
is fully explained
in my last half-yearly report
from which the following is an
extract.

"During the July
rains of last year the back
waters of the Ponany and Tho-
tha rivers rose in several places
between the 372nd and 377th
miles nearly to the top of the
embankment and in two in-
stances, viz., on the 372nd
and 377th miles, the rails
were submerged to the depth
of six to eight inches. The
monsoon of 1867 was attended
with precisely similar effects
and the Orders of Madras
Government Nos 2347 and
2348 of 3rd August of that year
record

is proposed to raise. I am ⁴
satisfied as to the expediency
of carrying out the work,
and recommend it for sanction.

5 Funds are available
under Section I of the Budget
estimate for 1874-75. It is
proposed that sanction shall
lapse at the end of the fourth
quarter from date of receipt.

I have the honour to be,

Sir,

Your most Obedt Servant,
Muntunat A. G. R.

Secy. Genl. for Railway

Madras
20th Nov^r
1874
J. P. R.

record the results of an inspection by the Consulting Engineer, Agent and Manager, and the Chief Engineer. The conclusions then arrived at were that it would probably be found advisable to raise several portions of the embankment but that as the inundation was not accompanied by any scour and caused but little damage it would not be necessary to incur the heavy outlay of increasing the headway of the bridges. My recent consideration of the subject leads me to the same conclusion and I am about bringing forward an estimate for raising the embankment by 2 to 3 feet at the two localities where the rails were submerged in 1867 and 1873.

Colonel Anderson in reporting on the submergence of the line at the locality in July 1867 wrote

S. H. 1874. Noted
 28/9/819
 RAILWAY DEPARTMENT.

From
 The Consulting Engineer
 for Railways,
 To
 The Secretary to Government,
 P. W. Department,
 Fort Saint George.

Dated 20th November 1874.
 Recd. 21/11/74
 Encl. B
 No. 711

and estimate for raising
 the line at the 3732
 and 3797 miles of
 the South-West Line
 of the Madras Railway
 20/11/74 - 6 - 12/11/74

108.
 1874-11-24

wrote as follows:—

It will probably be found advisable to raise several portions of the embankment which can be done at a moderate expense, but as the damage that has occurred is of trifling extent, and the interruption to traffic of but little importance, I question if it will be expedient to incur the heavy outlay which would be necessary to raise all the bridges on the portions of the line which have been submerged, since future floods that may be anticipated are not likely to be more injurious than those of the present season, which have not injured the bridges at all."

I have often discussed this matter with the Railway Authorities, and have had many opportunities of inspecting the portion of the line which it is

Letter No. 209 dated 2^d July 1867
G.O. No. 2347 3^d Aug. 1867

P. W. D.

Proceedings of the Madras Government,

Under date the 187

Read the following:—

From The Levee Engineering Engineer for Railways } (H.S. No. 711 d/20 Nov 1874)
2424

MB
20/11

His Excellency the Governor in Council concurs with the Levee Engineering Engineer and the Railway authorities as to the necessity for raising the embankment at the 373^d and 377th miles of the S. B. Line of the Madras Railway and sanctions the estimate submitted for the purpose amounting

amounting to Rs 6,926

As proposed the
Expenditure will be charged
to Revenue and met from
the Budget provision in
Schedule G.

This sanction will
lapse at the end of the
fourth quarter after
receipt.

Amr

38
3

108-109

Consent to expenses for
Railways
Examiner By: ^{upto 3 empty} Accountant
Dated 7/12/74

108-109

7319
Govt. of Madras.
PUBLIC WORKS.

To
The Engineer-in-Chief

Dated

Recd.

Encl.

G. O. 5 Dec 1874, No. 3424

Nos. 108-109

Madras Ry Co.

Sum amounting to Rs.
6,926 for raising the
embankment at the
373rd & 377th miles of the
Siv Luc of the Madras
Ry sanctioned