

(1) Number of pages 10

(2) Date of repair 20-4-43

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 2282	Press ~~Mis.~~
687-88	
Dated 29 7	1867.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
29th July 1867.*

No. 687.

Read the following:—

No. 208.

Application from the Agent and Manager of the Madras Railway Company, requesting the sanction of Government to the following Estimate.

NORTH-WEST LINE.

DISTRICT XI, SECTION I.

Amount of revised estimate		Rupees 8,35,795
Do. of sanctioned estimate		„ 5,03,155

Total Rupees 3,32,640

Rupees three lacs and thirty-two thousand six hundred and forty.

2. The difference is principally due to excess under the head Permanent Way, a portion only of the probable outlay on which was accounted for in the original estimate sanctioned by Government in G. O. No. 1,934, dated 20th June 1866.

3. The arrangements for bridging two branches of a stream at six miles 44 chains and six miles 66 chains, have also had to be altered, as explained in the accompanying letter* from the Agent and Manager, dated 22nd June 1867.

* No. 217.

It was intended, in the first instance, to construct a 4-64 feet girder bridge across one of the branches, and to leave the other unbridged. The Chief Engineer examined the ground in my company, and, on the representation of the Resident Engineer, decided that it would be preferable to construct a 3-64 feet bridge across one of the streams, and a single 64 feet at the other. It was found, however, that the girders sent out from England are intended to be built in pairs only, any other arrangement vitiating the calculation of their power of resistance to strains. Hence, the Acting Chief Engineer has retained the 4-64 feet girder bridge as originally designed, and has allowed for a double 30 feet bridge across the smaller stream.

4. Before submitting the revised estimates to Government, I requested the Agent and Manager to inform me of the cause of 10 per cent. being allowed for contingencies on the estimated cost of Permanent Way. His explanation,† which I consider satisfactory, is attached.

† Dated 17th July 1867, No. 248.

5. The total increase of revised over original estimate is made up of the following items:—

	Increase.			Decrease.	
	RS.	A.	P.	RS.	
Bridges and Masonry	11,987	8	0	0	
Permanent Way	2,90,442	8	0	0	
Miscellaneous	...	...	...	30	
Contingencies	30,240	0	0	0	
Total	3,32,670	0	0	30	

*Proceedings of the Madras Government, Public Works Department,
29th July 1867.*

6. The excess, Rupees 3,32,640, is recommended for the sanction of Government.

MADRAS,
19th July 1867.

(Signed) J. C. ANDERSON, Lieut.-Colonel, R. E.,
Consulting Engineer for Railways.

No. 688.

ORDER THEREON, 29th July 1867, No. 2,282.

RAILWAY, No. 52.

Under the explanation afforded,
His Excellency the Governor in Council
sanctions the revised estimate of Ru-

pees 8,35,795 for District XI, Section 1, of the North-West Line of the Madras Railway.

(True Extract.)

(Signed) J. H. M. SHAW STEWART, Major, R. E.,
Under Secretary to Government.

To the Consulting Engineer for Railways, with three Enclosures.

Exd. S. T. Augustin.

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No. 208. Madras, 19th July 1867.

Application from the Agent and Manager of the Madras Railway Company,
requesting the sanction of Government to the following Estimate:—

North West Line
District XI Section I

Amount of revised Estimate—8,35,795

Amount of sanctioned Estimate—5,03,155

Rupees 332,640

Rupees three lacs and thirty two thousand
five hundred and forty.

2. The difference is principally due to
excess under the head Permanent Way; a portion
of the probable outlay on which was accounted
for in the original Estimate sanctioned by Go-
vernment in G. O. No. 1934 dated 20th June
1866.

3. The arrangements for bridging two
branches of a stream at 6 miles 44 chains and
6 miles 66 chains have also had to be altered
as explained in the accompanying letter from
the Agent and Manager dated 22nd June 1867.
It was intended in the first instance to construct
a 4-64 feet Girder Bridge across one of the
branches.

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branches and to have the other sub-bridged.
 The Chief Engineer examined the ground
 in my company, and on the representation of
 the Resident Engineer decided that it would
 be preferable to construct a 3-64 feet
 Bridges across one of the streams, and a
 single 64 feet at the other. It was found
 however that the Girders sent out from
 England, are intended to be built in pairs
 only; any other arrangement violating the
 calculation of this power of resistance to strains.
 Hence the Acting Chief Engineer has limited
 the 4-64 feet Girder Bridge as originally
 designed and has allowed for a double 32 feet
 Bridges across the smaller stream.

Before submitting the revised
 estimates to Government, I requested the
 Agent and Manager to inform me of the
 "cause" of 10 percent being allowed for
 contingencies on the estimated cost of per-
 =manent Way. His explanation which I
 consider satisfactory is attached.

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5. The total increase of revised over
 original Estimate is made up of the fol-
 =lowing items.

	Increase	Decrease
Bridges and Masonry	11,987-8-0	0-0-0
Permanent Way	2,90,442-8-0	0-0-0
Miscellaneous	0-0-0	30-0-0
Contingencies	30,240-0-0	0-0-0
<u>Total</u>	<u>3,32,670-0-0</u>	<u>30-0-0</u>

6. The excess Rupees 3,32,640- is
 recommended for the sanction of Government.

Wm. Licutt Colonel R.E.

Consulting Eng^r for Railways

To The Secretary to Government
 Public Works Depart^t
 Fort Saint George.

Pr. of Govt. for Dept.
1867 No. 2708

RAILWAY DEPARTMENT.

From
The Consgr. Engineer for Railways,
To
The Secretary to Government,
P. W. Dept.

Dated 19th July 1867.
Received 20th

No. 208-

Enclosures, No. 3.

*Application
from the Asst. Engineer
of the M. R. Camp, request-
ing the sanction of Govt.
to the estimate of Rs. 11
Lacs for the North West Line,
amounting to Rs. 11,00,000.*

No. 687

e. 21st July 1867. Or. 25th

e. 2282. 29th July 1867

Civ

Public Works Department.

e. 2282

PROCEEDINGS of the MADRAS GOVERNMENT.

Under date the 29th July 1867

Read the following

From *The Consulting Engineer
for Railways.* (Here enter No. 208 dated 19th July 1867)

Under the ex-
planation afforded, His
Excellency the Governor in
Council sanctions the
revised estimate of Rs.
8,35,795 for District XI,
Section 1, of the North West
Line of the Madras Rail-
way.

work

To the Consgr. Engineer for
Railways. *with three enclosures*

L.B.

684-688
P. W. 1867. Department.
Proc. of Govt. for Railway
No. 2282

PROCEEDINGS OF GOVERNMENT of Madras

Dated 29th July 1867

Concerning the
revised Estimate of Rs. 835,795
for works for District XI
Section 1 of the North West
Line of the Madras Railway.

M. 687-688