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(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public works DEPARTMENT.

G.O. No. 640	Press Mis.
27-20	
Dated 1 2	1869.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
1st March 1867.*

No. 29.

Read the following:—

No. 49.

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

NORTH-WEST LINE.			
District 12, Section II.			
	RS.	A.	P.
Bridges and brick-work	53,197	0	0
Metaling of roads	2,500	0	0
Earth-work in road approaches, at Stations; and in cuttings and embankments	48,889	6	2
Pitching slopes	7,200	0	0
Fencing	26,400	0	0
Ballasting	19,996	0	0
Permanent-way	2,33,105	10	0
Miscellaneous—bungalows, gates, &c., &c., ...	6,625	8	0
Maintenance of way and works for two years...	18,000	0	0
Contingencies	25,751	7	5
Total ...	4,41,665	0	0

Four lacs, forty-one thousand, six hundred and sixty-five.

1. The estimate for the first section of District No. 12 was sanctioned in Order dated the 6th November 1866, No. 3,529.

2. The second section of the district is six miles in length. It commences at miles 246-4-20½ from the Arconum Junction, and terminates at miles 252-4-20½, on the Bellary branch. The gradients are favorable.

3. There will be twelve bridges across the line. Three of masonry abutments and wrought iron girder tops, and nine entirely of masonry. The largest bridge is a triple thirty feet masonry one.

4. The Superintending Engineer of the 3rd Division has been furnished with a section of the line of Railway, but no reply has as yet been received from him as to the sufficiency or otherwise of the water-way allowed. I have no doubt that he will acquiesce in the provision made by the Railway authorities for the purpose.

5. The average quantity of earth-work per mile is 37,791 cubic yards, and of masonry 945 cubic yards. The quantities in both cases are greater than those allowed in the estimate for the first section, and the average outlay per mile, which is Rupees 73,611, is therefore higher by Rupees 6,827, than the average of the first section.

6. The estimate includes the cost of Permanent-way materials which are obtained from England, and also of iron wire for fencing. The value of the Permanent-way materials alone is Rupees 1,58,400, a little more than a third of the amount of the estimate.

7. The rates allowed for earth-work and masonry are the same as those passed in the estimate for the first section—Annas 3 and Rupees 8-12-0 per cubic yard, respectively.

iron girder tops, and nine entirely of masonry - The

*Proceedings of the Madras Government, Public Works Department,
1st March 1867.*

8. I recommend that sanction be granted for the proposed outlay of Rupees 4,41,665.

MADRAS,
20th February 1867.

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

No. 30.

ORDER THEREON, 1st March 1867, No. 640.

RAILWAY, No. 1.

1. The Government sanction the estimates amounting to Rupees 4,41,665 for District 12, Section II, of the North-West Line of the Madras Railway.

2. The plans of bridges will be subject to any modifications that may be found to be necessary on receipt of the reply to the reference which is stated to have been made to the Superintending Engineer of the 3rd Division.

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

To the Consulting Engineer for Railways, with Survey, Estimate, and Agent's letter.

Exd. T. O'Connor.

No. 49.

Madras, 20 February 1867.
Madras.

Application from the Agent and Traffic Manager of the Great Southern of India Railway, requesting the sanction of Government to the following Estimate:—

*North West Line
District 12 Section II.*

Bridges and Brickwork	Rupees 53,197-...
Metalling of Roads	" 2,500-...
Carriageway road approaches, at Stations, and in Cuttings and Embankments	" 48,889-6-2.
Pitching slopes	" 7,200-...
Fencing	" 26,400-...
Ballasting	" 17,996-...
Permanent Way	" 2,33,105-10-...
Miscellaneous - Bungalows, Gates &c.	" 6,625-8-...
Maintenance of Way & Works for two years	" 18,000-...
Contingencies	" 25,751-7-5.
	<u>Rupees 4,41,665</u>

Four lacs, forty one thousand, Six hundred and Sixty five.
1. The Estimate for the first Section of District No 12 was sanctioned in Order dated the 6th November 1866, No 3529-

2. The Second Section of the District is six miles in length. It commences at Miles 246.4. 20 1/2 from the Arcot Junction, and terminates at miles 252. 4. 20 1/2, on the Bellary Branch. The gradients are favorable -

3. There will be twelve bridges across the line - Three of Masonry abutments and wrought-iron girder tops, and nine entirely of Masonry - The

The largest Bridge is a triple thirty feet masonry one.

4. The Superintending Engineer of the 3 Division has been furnished with a section of the line of Railway, but no reply has as yet been received from him as to the sufficiency or otherwise of the waterway allowed. I have no doubt that he will acquiesce in the provision made by the Railway authorities for the purpose.

5. The average quantity of Earthwork per mile is 37,791, Cubic yards, and of Masonry 945 Cubic yards. The quantities in both cases are greater than those allowed in the estimate for the first section, and the average outlay per mile, which is Rupees 73,611, is therefore higher by Rupees 6,824, than the average of the first section.

6. The estimate includes the cost of Permanent Way Materials which are obtained from England, and also of Iron wire for Fencing. The value of the Permanent Way Materials alone is Rupees 158,400, a little more than a third of the amount of the estimate.

The

7. The rates allowed for Earthwork and Masonry are the same as those passed in the estimate for the first section - Annex 3 and Rupees 8 ³/₄ per Cubic yard respectively.

8. I recommend that sanction be granted for the proposed outlay of Rupees 4,41,665.

J. Buchanan Esq. M. A. R. S.
Consulting Engineer for Railways

The Secretary to Government
D. P. works
Fort Saint George

Proceedings of the Madras Government
Under date the 1st March 1867.
Read the following

From the Comdg. Engineer for
Railways — (H.R. No. 49 of 20 February 1867)

The Government sanction
the estimates amounting to Rs.
4,41,665 for District 12, Section
II of the North West Line of
the Madras Railway —

The plans of bridges will
be subject to any modifications
that may be found to be
necessary on receipt of the
reply to the reference which
is stated to have been made
to the Superintending Engineer
of the 3rd Division —

JP
WON

To the Consulting Engineer for
Railways with Survey, Estimates
and Accounts —

Recd. 2/3/67

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[Signature]

To the Comdg. Engineer for
Railways
The Consulting Engineer
for Railways.
P. W. D.
Date 20th Feb 1867
Recd. 2/3/67

From the Comdg. Engineer
of the M. R. Comdg. Engrs.
req. the sanction of Govt.
to the estimate for
Rs. 4,41,665
amounting to Rs. 4,41,665

Ch 29

No 640-1st March 1867

Public Works Department

Pro: of Govt for Madras

No 640

Pro: of the Madras Govt
of 1st March 1864

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Estimates amounting
to Rs 1,41,665 for Works
on the N. W. Line of the
Madras Railway sanctioned
with remarks.