

(1) Number of pages _____

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MADRAS RECORD OFFICE.

Government of Madras.

Public works DEPARTMENT.

G.O. No. 3781

Press

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91-92

Dated 3 12

1868.

Not to be folded or roughly handled

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*Proceedings of the Madras Government, Public Works Department,
3rd December 1868.*

No. 91.

Read the following:—

No. 415.

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

NORTH-WEST LINE.

District XIII.

	RS.	A.	P.
Bridge and masonry...	4,51,073	4	0
Metalling of roads ...	2,500	0	0
Earthwork in road approaches ...	2,031	4	0
Do. in cuttings ...	2,088	12	0
Do. in embankment ...	65,286	5	6
Extra earthwork at stations, &c. ..	4,875	0	0
Pitching slopes ...	14,590	0	0
Covering slopes of banks and cuttings with kunker	12,309	12	0
Fencing ...	54,975	0	0
Ballasting ...	27,062	0	0
Permanent Way ...	3,94,023	0	0
Gates ...	3,000	0	0
Miscellaneous...	11,981	0	0
Mile stones ..	63	0	0
Gradient posts ...	84	0	0
Maintenance of way and works ...	31,612	8	0
Contingencies ...	1,07,755	2	6
Total ...	11,85,310	0	0

Eleven lacs eighty-five thousand three hundred and ten.

The district commences at about 252 miles from Arconum Junction, and terminates at Bellary; its length being ten miles forty-three chains.

The estimate provides for nineteen bridges, eleven of which are to be of masonry, and the rest of wrought-iron girders on stone abutments and piers. The bridge for the Huggry river is of a different design, the girders resting on tressels composed of wrought-iron screw piles; it is the largest bridge in the district, having thirty-four openings of sixty-four feet each. The entire length of this bridge is about 2,343 feet, and the estimated cost Rupees 3,73,655.

The gradients are favorable, the steepest being one in 150 for a distance of fifty chains. The difference of level between the two ends of the district is 100·12 feet.

The average quantity of earthwork per mile is 34,520 cubic yards, and the masonry averages 801 cubic yards per mile.

The Superintending Engineer of the 3rd Division has been referred to regarding the waterway allowed, and states that it is sufficient.

The rates charged are moderate, and I recommend the estimated outlay of Rupees 11,85,310 for the sanction of Government.

(Signed) J. H. M. SHAW STEWART, Major, R. E.,

Consulting Engineer for Railways.

MADRAS,

17th November 1868.

7

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Earthwork in road approaches ...	2,031	4	0
Do. in cuttings ...	2,088	12	0
Do. in embankment ...	65,286	5	6
Extra earthwork at stations, &c. ..	4,875	0	0
Pitching slopes ...	14,590	0	0
Covering slopes of banks and cuttings with kunker	12,309	12	0
Fencing ...	54,975	0	0
Ballasting ...	27,062	0	0
Permanent Way ...	3,94,023	0	0
Gates ...	3,000	0	0
Miscellaneous...	11,981	0	0
Mile stones ..	63	0	0
Gradient posts ...	84	0	0
Maintenance of way and works ...	31,612	8	0
Contingencies ...	1,07,755	2	6
Total ...	11,85,310	0	0

Eleven lacs eighty-five thousand three hundred and ten.

The district commences at about 252 miles from Arconum Junction, and terminates at Bellary; its length being ten miles forty-three chains.

The estimate provides for nineteen bridges, eleven of which are to be of masonry, and the rest of wrought-iron girders on stone abutments and piers. The bridge for the Huggry river is of a different design, the girders resting on tressels composed of wrought-iron screw piles; it is the largest bridge in the district, having thirty-four openings of sixty-four feet each. The entire length of this bridge is about 2,343 feet, and the estimated cost Rupees 3,73,655.

The gradients are favorable, the steepest being one in 150 for a distance of fifty chains. The difference of level between the two ends of the district is 100·12 feet.

The average quantity of earthwork per mile is 34,520 cubic yards, and the masonry averages 801 cubic yards per mile.

The Superintending Engineer of the 3rd Division has been referred to regarding the waterway allowed, and states that it is sufficient.

The rates charged are moderate, and I recommend the estimated outlay of Rupees 11,85,310 for the sanction of Government.

(Signed) J. H. M. SHAW STEWART, Major, R. E.,

Consulting Engineer for Railways.

MADRAS,

17th November 1868.

Proceedings of the Madras Government, Public Works Department,
3rd December 1868.

No. 92. ORDER THEREON, 3rd December 1868, No. 3,781.

RAILWAY, No. 7.

The estimates amounting in the aggregate to Rupees 11,85,310 for District XIII of the North-West Line of the Madras Railway are sanctioned.

(True Extract.)

Colonel, R. E.,

Secretary to Government.

To the Consulting Engineer for Railways.

Lxd. S. T. Augustin.

13

No. 415. Madras, 17th November 1868

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

North West Line
District XIII

	No. a. p.
Bridge and Masonry	1,51,073 4
Metalling of roads	2,500 . .
Earthwork in road approaches	2,031 4 . .
Earthwork in cuttings	2,188 12 . .
Earthwork in embankment	1,52,886 5 6
Extra earthwork at stations &c.	4,875 . .
Pitching slopes	12,590 . .
Covering slopes of banks and cuttings with boulders	12,309 12 . .
Spurs	52,975 . .
Ballasting	27,062 . .
Permanent way	3,94,023 . .
Gates	3,070 . .
Miscellaneous	11,981 . .
Keil stones	63 . .
Gradient posts	84 . .
Maintenance of way and works	31,612 8 . .
Contingencies	1,07,755 2 6
	<u>Rupees 11,85,310 . .</u>

Eleven lakhs eighty five thousand, three hundred and ten.

The district commences at about 252 miles from Arcotum junction and terminates at

at Bellary: the length being 10 miles 43
chains.

The estimate provides for 17 bridges,
11 of which are to be of masonry and the rest of
wrought-iron girders on stone abutments and
piers. The bridge for the Huggay series is of
a different design. The girders being on trestle
composed of wrought-iron screw piles; it is
the largest bridge in the district having
34 openings of 64 feet each. The entire length
of this bridge is about 2343 feet and the estimated
cost Rs. 3,73,655.

The gradients are favourable, the steepest
being 1 in 156 for a distance of 50 chains. The
difference of level between the two ends of
the district is 100.12 feet.

The average quantity of earthwork
per mile is 34,520 cubic yards, and the mae-
sonry averages 801 cubic yards per mile.

The Superintending Engineer of the
3^d Division has been referred to regarding
the waterway allowed, and states that it is
sufficient.

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The rates charged are moderate,
and I recommend the estimated outlay of
Rupees 11,85,310 for the sanction of Govern-
ment.

Mauntenant Major McC

Cons. Engr. for Railways

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The Secretary to Government
Public Works Department
Port Saint George

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P. W. 1868. Department
Pro: of Govt for Examiners
RAILWAY DEPARTMENT.

From

The Consgr, Engineer for Railways,

To

The Secretary to Government,
P. W. Dept.

Dated 17th November 1868.

Received 19th

No. 415-

Enclosures, No. 2

Plans - 2 -
7

Application
from the Agent & Manager
of the G. R. Comp^y, Request-
ing the sanction of Govt^y
to the estimate of Rs
XIII North West Line.

No. 3781-3^d Dec 1868

No 91

C. 23^d Nov 1868 @ 270

Public Works Department
No 3781

Proceedings of the Madras Government
Unden date the 3^d Dec 1868

Read the following

From The Consulting Engineer
for Railways } H.E. No 415 dated 17th Nov 1868

The estimates
amounting in the
aggregate to Rs 11,85,310
for District XIII of
the North West Line
of the Madras Railway
are sanctioned -

The Consgr
for Railways

with two plans
two estimates

Recd 4/12/68

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Govt. of 1868: Madras.

PUBLIC WORKS.

To The Consulting Engrs
for Railways.

&c. &c. &c.

Dated th.

Recd.

Encl

G. O. 3^d Decr 1868, No 3781

9/12/27
Nos. 91-92

Works (By) Estimates amounting
to Rs 11,85,310 for works in
District XIII of the North-West
Line of the Madras Railway,
sanctioned.