

(1) Number of pages

(2) Date of reply

(3) Initials of the Referrer

MADRAS RECORD OFFICE.

Government of Madras.

Public Instruction DEPARTMENT.

G.O. No.	921	Press
		Mis.
248-249-55		
Dated	9-2	1869.

Not to be folded or roughly handled

No. 218.

Read the following papers :—

No. 455.

MADRAS RAILWAY.

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

NORTH-WEST LINE.

District XVI.

	RS.	A.	P.
Bridges and masonry	1,54,201	8	8
Metalling of roads	2,500	0	0
Earthwork in road approaches	2,500	0	0
Do. in cutting and embankments	87,617	4	10
Extra earthwork at stations, &c.	6,000	0	0
Pitching slopes	30,396	0	0
Covering slopes of banks and cuttings with kunkur	12,823	14	0
Fencing	56,016	4	0
Ballasting	29,350	0	0
Permanent-way	3,93,131	0	0
Gates	3,750	0	0
Miscellaneous	8,769	0	0
Mile stones	60	0	0
Gradient posts	133	0	0
Maintenance of way and works	29,983	8	0
Contingencies	81,723	8	6

Total .. 8,98,955 0 0

Eight lacs ninety-eight thousand nine hundred and fifty-five.

1. The district commences at 252 miles 9 chains from Arconum Junction, and terminates at 262 miles 8½ chains, its length being half a chain less than ten miles.
2. The estimate provides for twenty-two bridges, five of which are to be of masonry, and the rest of wrought-iron girders on masonry abutments and piers; there is no bridge of any magnitude requiring special notice.
3. The gradients are favorable, the steepest being 1 in 132 for a distance of forty-four chains. The difference of level between the extreme ends of the district is 199·76 feet.
4. The average quantity of earthwork per mile is 38,446½ cubic yards, and the masonry averages 1,025½ cubic yards per mile.
5. The Superintending Engineer of the 3rd Division has been referred to regarding the water-way allowed, and states that it is sufficient.
6. The average cost of outlay per mile, including permanent-way materials, is Rupees 89,895.
7. The rates charged are fair, and agree with the Contract entered into with Mr. Barnett on the 16th September 1867. I recommend the estimated outlay of Rupees 8,98,955 for the sanction of Government.

(Signed) J. H. M. SHAW STEWART, Major, R. E.,
Consulting Engineer for Railways.

MADRAS,
19th December 1868.

Proceedings of the Madras Government, Public Works Department,
9th February 1869.

No. 249. From the Consulting Engineer for Railways, to the Secretary to Government, Public Works Department, dated Madras, 18th January 1869, No. 20.

* This Office letter No. 3, dated 6th January 1869, Docket from Secretary to Government, P. W. D., dated 9th January 1869.

Referring to letters* marginally noted, I have the honour to return for sanction the estimate for District XVI., North-West Line, with letter No. 12, dated the 15th instant, received from the Agent of the Madras Railway Company, and to request that my application of the 19th ultimo may be altered to Rupees 8,96,713. This will reduce the amount for bridges and masonry from Rupees 1,54,201-8-8 to Rupees 1,51,949-8-8.

From the Agent and Manager of the Madras Railway Company, to the Consulting Engineer for Railways, dated Madras, 15th January 1869, No. 12.

Adverting to your letter of the 11th instant, No. 9, I have the honour to submit, for the sanction of Government, a revised estimate for District XVI., North-West Line, amounting to Rupees 8,96,703, from which is omitted the six feet rail girder opening at 1 mile 72 chains, as recommended in my communication dated the 5th instant, No. 4.

No. 250. ORDER THEREON, 9th February 1869, No. 421.

RAILWAY, No. 16.

The Government sanction the estimate of Rupees 8,96,703 for District XVI. of the North-West Line of the Madras Railway.

(True Extract.)

Colonel, R. E.,

Secretary to Government.

To the Consulting Engineer for Railways.

Ed. S. T. Augustin.

No. 12

MADRAS RAILWAY.

AGENT AND MANAGERS' OFFICE.

Madras, 15th January 1869.

From

R. B. Edwin Esq.,
Agent and Manager of the M.R.C.

To

Major I. K. Shaw Stewart, Esq.,
Consulting Engineer for Railways.

SIR,

Adverting to your letter of the 11th instant, No. 9, I have the honor to submit for the sanction of Government, a revised Estimate for District XVI., North West Line, amounting to Rupees 8,96,703-0-0; from which is omitted the 6' rail girder opening at 1 mile 72 chains, as recommended in my communication dated the 5th instant No. 4.

I have the honor to be,
Sir

Your most obedient servant

R. B. Edwin

Agent and Manager.

CONSULTING ENGINEER'S OFFICE,

Railway Department.

No. 24

From

Major J. H. de Shaw Stewart M.C.
Consulting Engineer for Railways,

To

Colonel G. A. O'Connell M.C.
Secretary to Government,
Public Works Department,
Fort Saint George

Sir,

Referring to letter marginally noted, I have the honour to
acknowledge the receipt of your letter of the 15th inst.
and to request that my application
No. 455 of the 17th ultimo may be altered
to No. 896,712. This will reduce
the

MADRAS RAILWAY

From

The Agent and Manager,

To

The Consulting Engineer

for Railways.

Dated 15th January 1869.
Per H. B.

No. 12

Submitting for sanction
estimated cost of
for District XVI of N.
Line amounting to
Rs 8,96,712.00.

the amount for bridges and masonry
from No. 154211-8-8 to No. 154249-8-8.

Meadows
18th January
1869

Shame the honor to be
Sir
Your Most Obedient Servant
Mount Stewart Major M.C.
Comd. Engrs for Railways

No 455.

Madras 19th December 1868

Application from the Agent and Manager of the Madras Railway Company requesting the sanction of Government to the following estimates

North West Line
District XVI

Bridges in masonry	154201-8-8
Gravel	2500
Gravel	2500
Gravel	87617-4-10
Gravel	6000
Gravel	30396
Gravel	12823-11-
Gravel	56016-4-
Gravel	29350
Gravel	393131
Gravel	3750
Gravel	8769
Gravel	60
Gravel	133
Gravel	29983-8-
Gravel	81723-8-6
Gravel	898955

Eight less ninety eight thousand nine hundred and fifty five.
The district commences at 252 miles 9 chains from Arcot junction

To
The Consulting Engineer
for Railways,
Public Works Department,
Fort Saint George

For the Agent and Manager of the Madras Railway Company

Date 1869
Received 19th January 1869

No. 26
Serial 12

Returned for

sanction the estimate

for 6th 16 for the week

1869

and terminates at 262 miles $8\frac{1}{2}$ chains, its length being half a chain less than ten miles.

The estimate provides for 22 bridges, five of which are to be of masonry and the rest of wrought iron girders on masonry abutments and piers, there is no bridge of any magnitude requiring special notice.

The gradients are favorable, the steepest being one in 132 for a distance of forty-four chains. The difference of level between the extreme ends of the district is 199.76 feet.

The average quantity of earthwork per mile is $38,446\frac{3}{4}$ cubic yards, and the masonry averages $1025\frac{1}{4}$ 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 average cost of outlay per mile, including permanent way materials, is Rupees 89,895.

The rates charged are fair, and agree with the contract entered into with Mr. Harcourt on the 16th September 1867. I recommend the estimated outlay of Rupees 898,955 - for the sanction of Government.

Wm. Mitchell

Major R.E.
Consulting Engineer for Railways

Public Order Department
At 3:15 P.M. 1893.

The Deputy Engineer of
the 6th Division

To The Chief Engineer for
Engineering & Civil
Department
P.O. Box 2950

Dated 16th 1893
Recd 19th 1893

1893.

Encl. 2

Forward a Plan

and an Abstract Estimate
for repairing a Dam in
the 6th Division for the
supply of the Village of
Proctor in the 6th Division
Valley P.O. Box 2950/1893.

1868. *Sept*
RAILWAY DEPARTMENT.

From *No 4959*
The Consr. Engineer for Railways,
To
The Secretary to Government,
P. W. Dept.

Dated *14th* } December 1868.
Received *21* }

No. 455-
Enclosures, No.
Plans - 2
Estimate - 1-

Application
from the Asst. and
Manager of the M. S. Ry.
requesting the sanction
of Government, to the
estimate of Rs XVI
for the West line -

At 21.9 February 69.

No 248

At 21

Public Works Department

PROCEEDINGS of the MADRAS GOVERNMENT.

Under date the *9 Feb 1869*
Read the following

From the Consr Engineer
for Railways
do

(Here enter No. *155* dated *19th Dec 68*
20 18 Jan'y 69)

The Government
sanction the estimate
of ~~Rs 8,98,955~~ ^{8,96,703} for
District XVI of the
North West Line of
the Madras Railway

Wm R.
AFA

For the Consr for
Railways with
two letters & two plans
Recd 11/2/69

[Signature]

4969 x 206

Cert. of 1869 Madras.

PUBLIC WORKS.

The Consulting Engrs.
for Railways

Dated

1869

9 February 1869

Nos. 248 @ 250

District XVI (Ry) Estimate
of Rs 896,703 for District
XVI of the North-West line
of the Madras Railway, sanc-
-tioned.