

(1) Number of pages _____

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(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.**Government of Madras.***Public Works* **DEPARTMENT.**

G.O. No.	1819	Press —Mis.—
186-188		
Dated	9 — 6 —	1866.

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department,
9th June 1866.

Read the following papers:—

No. 186.

No. 236.

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

ERRODE EXTENSION.

District No. 3.

	RS.	A.	P.
Earthwork—in embankments, cuttings, road approaches, &c., including metalling roads	1,17,036	10	0
Masonry in bridges and culverts	3,78,403	4	0
Ballasting and Permanent Way	1,09,010	2	0
Fencing, gates, &c.	32,140	0	0
Miscellaneous—bungalows, gate-keepers' lodges, and Platelayers' huts	7,720	0	0
Maintenance—of Way and Works for two years..	47,500	0	0
Contingencies	69,170	0	0
	7,60,980	0	0

Seven lacs sixty thousand nine hundred and eighty.

1. The third District of the Errode Extension is 19 miles long. It is divided into two sections, of 10 and 9 miles respectively.
2. There are thirty-four planes on the District; fourteen ascending, eleven descending, and nine level. The average rise, per mile, is 2 56 feet.
3. There is to be a station at Caroor, at 2 miles 10 chains of the District. It has not yet been decided by the Railway authorities whether another station will be established.
4. The line crosses the rivers Ambravutty and Noyel, both tributaries of the river Cauvery, at 1 mile 70 chains, and at 15 miles 64 chains. The bridges are to be built of stone abutments and piers, and spanned with wrought-iron girders. The bridge over the Ambravutty will consist of 20 openings, each of 50 feet. The one over the Noyel of six openings, each of 50 feet.
5. The total quantity of earthwork to be undertaken in the District is 6,85,200 cubic yards or 36,063 cubic yards per mile. The total quantity of masonry is 19,157 cubic yards, or 1,008 cubic yards per mile.
6. There will be 32 bridges and 53 culverts and drains across the line. They afford ample waterway, and were determined upon by the Railway authorities in communication with the Executive Officers of the Public Works Department in Coimbatore.
7. The average outlay, per mile, is Rupees 40,051, or Rupees 14,786 in excess of the outlay for the second District, sanctioned in G. O. dated 13th March 1866, No. 831. The excess is due principally to a larger amount of masonry work, and to the rates per cubic yard for the bridges over the rivers Ambravutty and Noyel, being entered at Rupees 23.

No. 255.

Madras, 30th May 1866

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

Erode Extension
District No 4

Earthwork - in Embankments.	} Rupees	2,05,808	7	.
Cuttings - Road Approaches by m.				
Grading metalling of Roads				
Masonry - in Bridges & Culverts	"	1,55,901	.	.
Ballasting and Permanent Way	"	1,47,811	10	.
Fencing. Gates &c.	"	38,910	.	.
Miscellaneous - Bungalows. Gate	} "	6,200		
Keepers Lodges & Plate Layers Huts				
Maintenance of Way & Works for two years	"	58,125	.	.
Contingencies	"	61,273	15	.
		Rupees	6,74,030	.

Six Lacs, Seventy four thousand and thirty —

The fourth District is the last on the Erode Extension. It commences at 64 miles 16 chains and 45 links from the Station at Trichinopoly and terminates at 87 miles 36 chains and 45 links, at the Erode Station of the Madras South West Rail-way. The length of the District is 23 miles and 20 chains.

There are fifty nine planes on the District twenty ascending, 15 descending, and 22 level.

The

The average rise per mile is 4.51 feet.

3 Provision has been made in the estimates for 8,93,697 Cubic yards of Earthwork, which is at the rate of about 38,438 Cubic yards per mile. For 14,209 Cubic yards of Masonry, or about 611 Cubic yards per mile.

4 There will be 25 Bridges, 114 Culverts and 74 drains across the line. These, as in the case of the works on District No. 3, have been determined upon by the Railway Authorities in communication with the Officers of the Public Works Department of Coimbatore.

5 The average outlay per mile is Rupees 28,990, which is Rupees 3,725 higher than that of District No. 2, but Rupees 10,061 less than the cost of District No. 3.

6 The rates for Masonry are 16 & 15 Rupees per Cubic yard. The latter rate is allowed for only one bridge, the largest on the District. It consists of English Openings, each of 20 feet.

7 No Stations have been proposed by the Railway Authorities for this District.

8 I recommend that the outlay of Rupees

7
Rupees 6,74,030 be Sanctioned by Government.

MacKintosh Major R.E.
Acting Consulting Engineer for Railways

To
The Secretary to Government
D.P.W.
Fort Saint George

No. 236.

Madras, 29 May 1866.

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

Erode Extension.
District No 3.

Carriagework in Embankments, Cuttings road approaches by including	Rupied 1,17,030 10.
Meidling Roads	3,78,403 4.
Masonry in Bridges & Culverts	1,09,010 2.
Ballasting and Permanent Way	32,140 .
Fencing, Gates &c.	7,720 .
Miscellaneous - Bungalows, Station Keepers Lodges & Plateways Huts	47,500 .
Maintenance of Ways Works for two years	69,170 .
Contingencies	Rupied 7,60,980 .

Seven Lacs, Sixty thousand, nine hundred and eighty in
The 3rd District of the Erode Extension
is 19 miles long - It is divided into two sections, of 10
and 9 miles respectively -
There are thirty four places on the
District: fourteen ascending, eleven descending and nine
level - The average rise, per mile, is 2.56 feet -
There is to be a Station at Caroor at
2 miles 10 chains of the District - It has not yet
been decided by the Railway authorities whether another
Station will be established -

(87)

Press No 3880, G. M.-27-2-66-100.

1866. Department
RAILWAY DEPARTMENT.

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

Dated 31st May 1866.
Received 12th June "
No. 238-

Enclosures, 7.
Agent's letters 2
Estimates - 2
Plans - 3

Application from
the Agent & Traffic Manager
of the G. S. of I. R. requesting
the sanction of Govt. to the
Estimates of the Erode
Extension, amounting to
Rs 6,74,030-11-10
20/1879-9 June 1866

10/10/7

20 June 1866 (R. 6/11)

4 The line crosses the Rivers Ambravatty and Noyel, both tributaries of the River Cannery, at 1 mile 70 chains, and at 15 miles 64 chains. The Bridges are to be built of Stone abutments and Piers, and spanned with wrought Iron Girders. The Bridge over the Ambravatty will consist of 20 openings, each of 50 feet. The one over the Noyel of 6 openings, each of 50 feet.

5 The total Quantity of Earthwork to be undertaken in the District is 6,85,200 Cubic yards or 36,063 Cubic yards per mile. The total Quantity of Masonry is 19,157 Cubic yards, or 1,008 Cubic yards per mile.

6 There will be 32 Bridges, and 53 culverts and drains across the line. They afford ample waterway, and were determined upon by the Railway Authorities in communication with the Executive Officers of the Public Works Department in Coimbatore.

7 The average outlay, per mile, is Rs 40,051, or Rs 14,786 in excess of the outlay for the 2nd District, Sanctioned in L.O. dated 13th March 1881. The excess is due principally to a larger amount of Masonry work, and to the rates per Cubic yard for the Bridges over the Rivers Ambravatty and Noyel, being entered at Rs 23.

The

223 dated 21 May 1886.

8 The Agent was called upon to afford explanation regarding this unusually high rate. In the Acting Chief Engineer's explanation which accompanies the Agent's letter, herewith submitted, it is ascribed to the high cost of labor which had to be procured from Palyhat, Vellore, and Bangalore, - to the great difficulty in getting in the foundations, - and to the distance at which the Quarries are situated from the works, necessitating the employment of a large number of bullocks at the expense of the Railway Company.

9 I cannot say that Mr. Dibble's explanation has satisfied me as to the necessity for the apparently exorbitant rate, of Rs 23 per Cubic yard, for Masonry, but as Major Pendergast, who lately inspected the work, was unable to detect any error in his calculations, I recommend that the Sanction of Government be granted for the estimated outlay of Rs 4,60,980.

13
I am, Sir, your obedient servant
Major R. E. Pendergast
Acting Consulting Engineer Railways
To The Secretary to Government.
D. P. W.
Fort Saint George

P W Dept
(8)

Press No. 3850, G. M.-27-2-66-100

1866 *A 2238*

RAILWAY DEPARTMENT.

From

The Consgr. Engineer for Railways,

To

The Secretary to Government,
P. W. Dept.

Dated

24th May 1866

Received

No. 236

Enclosures, No.

- 2. Agent's letter of 1/5/66
- 2. Estimates of 4/5/66
- 4. Plans

Ch. 9 Application from
the Agent & Co. for the
of the G. & S. Ry. requesting
the sanction of Govt. to the
extension of the G. & S. Ry.
extension amounting to
Rs. 7,60,980-0-0
ex. 1819 - 9th June 1866

A 186

2.4 June 1866

Public Works Department

ex. 1819
1819

PROCEEDINGS of the MADRAS GOVERNMENT
Under date the 9th June 1866
Read the following.

*From the Acting Consulting
Engineer for Railways
To the Secretary to Government*

(Here enter No. 236 dated 29th May 1866)

Here enter No. 238 - 30th May 1866

On the recommendation

of the Acting Consulting
Engineer, the Right Honorable
the Governor in Council...
sanctions the estimates amounting
to Rs. 7,60,980 and Rs. 4,030
respectively for Districts Nos.
3 and 4 of the Great Southern
Extension of the Madras Railway

WOK

To the Consulting Eng^r with fifteen enclosures

2.4 June 1866

(3)

P. W. 1867. Department.

Proc. of Govt for India

No. 189.

PROCEEDINGS OF GOVERNMENT of India

Dated

7 June 1867

9/3/66

Estimated amount of Rs.
1,425,000 for works in the
North & N.W. of the G. & N.
Railway of the Punjab & the
India Railway & the
" "

F. P. C. 1867.