M.R.O. 1—77,006—8-6-37.

(1) Number of pages_____

(2) Date of repair_____

(3) Initials of the Referencer_____

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 2866, 2867, 109, 110, Press / Mis.

Dated 5 - 12 - 1872.

Not to be folded or roughly handled

No. 109. Read the following endorsement of the Consulting Engineer for Railways, dated Madras, 13th November 1872, No. 611:—

From the Agent and Manager of the Madras Railway Company, to the Consulting Engineer for Railways, dated Madras, 9th November 1872, No. 813.

With reference to your letter, No. 738, dated the 11th September last, and to the Order of Government which accompanied it, I have the honour to forward, herewith, a detailed "Schedule of Works remaining to be executed on the Section of the North-West Line opened for Traffic less than two years," showing the outlay to be incurred thereon.

2. In forwarding me this statement the Chief Engineer explains that it comprises only works the expenditure on which will be chargeable to the original construction estimates detailed in the statement forwarded to you with my letter, No. 389, dated 8th June 1872. Mr. Anderson adds that it does not include the works mentioned in the footnote of the statement, for which separate estimates have been sanctioned.

Schedule of Works remaining to be executed on the Section of the North-West Line opened for Traffic less than two years.

District No.	Particulars of Work.	Quantity.	Unit.	Rate.	Amount.	Total of each item.	Grand Total.
				Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
	2nd Division, North-West Line.						
11-1	Earth-work ... ...Cub. Yards.	1,140	Each ...	0 4 0	285 0 0		
	Pitching ... ... Sq. ,,	31	.....	1 0 0	31 0 0		
	Brick-work and Masonry.						
	Protective works at 20-feet girder at $\frac{260}{8}$ Miles	.....	.....	.....	1,039 0 0		
	Fencing	.....	.....	.....	500 0 0		
	Stone-filling	.....	.....	.....	188 0 0		
	Contingencies, ten per cent.	.....	.....	.....	204 0 0	2,247 0 0	2,247 0 0
11-2	Earth-work ... ... Cub. Yards.	140	Each ...	0 4 0	35 0 0		
	Pitching ... ... Sq. ,,	146	.....	1 0 0	146 0 0		
	Brick-work and Masonry.						
	Protective works at double 20-feet arch at 272 Miles	.....	.....	.....	1,844 0 0		
	Fencing	.....	.....	.....	400 0 0		
	Contingencies	10	per cent.	.....	243 0 0	2,668 0 0	2,668 0 0
	3rd Division, North-West Line.						
	Earth-work.						
11-2	Repairing banks ... ...Chains.	160	Each ...	0 12 0	120 0 0		
	Pitching at Bridges ... ... Sq. Yards.	36	.....	1 0 0	36 0 0		
	Repairing side drains in cuttings ... ... Lin. ,,	1,280	.....	0 4 0	320 0 0		
	Building do. in do. ... ... ,, ,,	640	.....	1 4 0	800 0 0	1,276 0 0	
	Brick-work and Masonry.						
	Building back walls to Bridges ... ... Cub. Yards.	10	.....	7 0 0	70 0 0	70 0 0	
	Fencing.						
	Repairing and strengthening aloe fence ... ... Chains.	228	.....	0 12 0	171 0 0	171 0 0	1,517 0 0
	Earth-work.						
12-1	Pitching at Bridges ... ... Sq. Yards.	36	.....	1 0 0	36 0 0	36 0 0	
	Brick-work and Masonry.						
	Protective works to Bridges—Excavation ... ... Cub. Yards.	15	Each ...	0 4 0	3 12 0		
	Masonry ... ... ,, ,,	11	.....	8 12 0	96 4 0		
	Building back walls do. ... ... ,, ,,	16	.....	7 0 0	112 0 0	212 0 0	
	Fencing.						
	Repairing and strengthening aloe fence ... ... Chains.	86	.....	0 12 0	64 8 0	64 8 0	312 8 0
	Earth-work.						
12-2	Raising embankments ... ... Cub. Yards.	231	.....	0 4 0	57 12 0		
	Widening Goomanore Channel ... ... ,, ,,	3,000	.....	0 4 0	750 0 0	807 12 0	
	Brick-work and Masonry.						
	Protective works to Bridges—Excavation ... ... Cub. Yards.	127	.....	0 4 0	31 12 0		
	Masonry ... ... ,, ,,	114	.....	8 12 0	997 8 0		
	Building back walls do. ... ... ,, ,,	12	.....	7 0 0	84 0 0	1,113 4 0	1,921 0 0
	Earth-work.						
13	Pitching at Bridges ... ... Sq. Yards.	43	.....	1 0 0	43 0 0		
	Do. slopes of banks ... ... ,, ,,	43	.....	1 0 0	43 0 0		
	Repairing drains in cutting ... ... Lin. Yards.	614	.....	0 4 0	153 8 0		
	Building do. new ... ... ,, ,,	307	.....	1 4 0	383 12 0	623 4 0	
	Brick-work and Masonry.						
	Building back walls to Bridges—Masonry ... ... Cub. Yards.	30	.....	7 0 0	210 0 0	210 0 0	833 4 0
	Earth-work.						
14	Repairing banks ... ... Chains.	800	.....	0 12 0	600 0 0		
	Pitching at Bridges ... ... Sq. Yards.	180	.....	1 0 0	180 0 0		
	Trimming cess and slopes with Cotton soil ... ... Cub. ,,	5,574	6	1 0 0	929 0 0	1,709 0 0	
	Brick-work and Masonry.						
	Protective works to Bridges—Excavation ... ... Cub. Yards.	153	Each ...	0 3 6	33 7 6		
	Masonry ... ... ,, ,,	86	.....	7 0 0	602 0 0		
	Building back walls do. ... ... ,, ,,	28	.....	7 0 0	196 0 0	831 7 6	
	Fencing.						
	Repairing and strengthening aloe fence ... ... Chains.	800	.....	0 8 0	400 0 0	400 0 0	2,940 7 6

Proceedings of the Madras Government, Public Works Department, 5th December 1872.

Schedule of Works remaining to be executed on the Section of the North-West Line opened for Traffic, etc.—(Continued.)

District No.	Particulars of Work.	Quantity.	Unit.	Rate.	Amount.	Total of each item.	Grand Total.
				RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.
	Earth-work.						
15	Repairing banks ... ... Chains.	800	.....	0 12 0	600 0 0		
	Do. side drains in cuttings ... ... Lin. Yards.	2,000	.....	0 4 0	500 0 0		
	Widening the Hindry Channel ... ... Cub. ,,	5,000	.....	0 4 0	1,250 0 0		
	Trimming cess and slopes with Gurrus ... ... ,, ,,	361	Each ...	0 4 0	90 4 0		
	Do. do. with Cotton soil ... ... ,, ,,	5,575	6	1 0 0	929 2 8		
	Pitching at Bridges ... ... Sq. ,,	180	Each ...	1 0 0	180 0 0		
						3,549 6 8	
	Fencing.						
	Repairing and strengthening aloe fence ... ... Chains.	800	.....	0 8 0	400 0 0		
						400 0 0	
	Brick-work and Masonry.						
	Building back walls to Bridges—Masonry ... ... Cub. Yards.	15	.....	7 0 0	105 0 0		
						105 0 0	
							4,054 6 8
	Earth-work.						
16	Repairing banks ... ... Chains.	800	.....	0 12 0	600 0 0		
	Pitching slopes ... ... Sq. Yards.	26	.....	1 0 0	26 0 0		
	Do. at Bridges ... ... ,, ,,	76	.....	1 0 0	76 0 0		
	Rebuilding and widening side drains in cuttings ... Lin. ,,	2,467	.....	0 9 0	1,387 11 0		
	Clearing channels ... ... Cub. ,,	210	.....	3 0 0	39 6 0		
						2,129 1 0	
	Fencing.						
	Earthing and repairing aloe fence ... ... Chains.	1,320	Each ...	0 7 0	577 8 0		
						577 8 0	
	Brick-work and Masonry.						
	Building back walls to Bridges—Masonry ... ... Cub. Yards.	23	.....	7 0 0	161 0 0		
						161 0 0	
							2,867 9 0
	Earth-work.						
17	Repairing banks ... ... Chains.	800	.....	0 12 0	600 0 0		
	Clearing channels ... ... Cub. Yards.	204	.....	0 3 0	38 4 0		
	Pitching at Bridges ... ... Sq. ,,	300	.....	1 0 0	300 0 0		
	Rebuilding and widening side drains in cutting ... Lin. ,,	3,879	.....	0 9 0	2,181 15 0		
						3,120 3 0	
	Brick-work and Masonry.						
	Protective works to Bridges—Excavation .. ... Cub. Yards.	325	.....	0 3 6	71 1 6		
	Masonry ... ... ,, ,,	196	.....	7 0 0	1,372 0 0		
	Building back walls to Bridges—Masonry ... ... ,, ,,	38	.....	7 0 0	266 0 0		
						1,709 1 6	
	Fencing.						
	Earthing and repairing aloe fence ... ... Chains.	924	.....	0 7 0	404 4 0		
	Do. Adoni Station compound ... ... ,,	460	.....	0 10 0	287 8 0		
						691 12 0	
							5,521 0 6
	Earth-work.						
18	Repairing bank ... ... Chains.	880	Each ...	0 12 0	660 0 0		
	Pitching at Bridges ... ... Sq. Yards.	60	.....	1 0 0	60 0 0		
	Rebuilding and widening side drains in cutting ... Lin. ,,	3,990	.....	0 9 0	2,244 6 0		
						2,964 6 0	
	Brick-work and Masonry.						
	Protective works to Bridges—Excavation ... ... Cub. Yards.	93	.....	0 3 9	21 12 9		
	Masonry ... ... ,, ,,	56	.....	7 0 0	392 0 0		
	Repairing stone-throws ... ... ,, ,,	4	.....	2 8 0	10 0 0		
	Building back walls to Bridges—Masonry ... ... ,, ,,	36	.....	7 0 0	252 0 0		
						675 12 9	
	Fencing.						
	Pitching and backing banks ... ... Sq. Yards.	55	.....	1 0 0	55 0 0		
	Earthing and repairing aloe fence ... ... Chains.	1,280	.....	0 10 0	800 0 0		
						855 0 0	
							4,495 2 9
	Earth-work.						
19	Rebuilding and widening side drains in cutting ... Lin. Yards.	4,508	Each ...	0 9 0	2,535 12 0		
						2,535 12 0	
	Brick-work and Masonry.						
	Building back walls to Bridges—Masonry ... ... Cub. Yards.	13	.....	7 0 0	91 0 0		
						91 0 0	
	Fencing.						
	Repairing and strengthening aloe fence ... ... Chains.	720	.....	0 12 0	540 0 0		
						540 0 0	
							3,166 12 0
	Earth-work.						
20	Rebuilding and widening side drains in cutting ... Lin Yards.	1,252	.....	0 9 0	704 4 0		
						704 4 0	
	Fencing.						
	Repairing and strengthening aloe fence ... ... Chains.	1,200	.....	0 12 0	900 0 0		
						900 0 0	
	Brick-work and Masonry.						
	Building back walls to Bridges—Masonry ... ... Cub. Yards.	53	.....	7 0 0	371 0 0		
						371 0 0	
							1,975 4 0
	Total...	.....	.....	.....	.....	.....	34,619 6 5

Proceedings of the Madras Government, Public Works Department, 5th December 1872.

N. B.—This Schedule does not include expenditure to be incurred in Maintenance of Way and Works up to the time the line becomes chargeable to Revenue, nor does it include the following works now in progress on the section of the North-West Line under reference :—

	RS.	
Huggry Bridge	5,87,758	Sanctioned, G. O., No. 2,911, of 16th November 1871.
Bridge at 285th Mile, Bellary Branch ...	15,500	Do. G. O., No. 519, of 26th February 1872.
Rest-house and Urinals at Goondacul ...	1,596	Do. Consulting Engineer's letter, No. 313, of 8th May 1872.
Dwelling-houses for Pointsmen and Porters at Raichore.	3,220	Do. do. No. 218, of 26th March 1872.
Weigh Bridge at Bellary	3,112	Do. do. do.
Do. Office at Bellary	254	Do. do. do.
Watchmen's Huts on the Division... ...	10,260	Do. G. O., No. 1,091, of 29th April 1872.
Dwelling-houses for Native Clerks (Traffic Department) at Raichore.	5,372	Do. Consulting Engineer's letter, No. 698, of 30th August 1872.
Fixing Lightning Conductors at Bellary ...	1,029	Do. do. No. 249, of 16th April 1872.
Do. do. at Raichore...	875	Do. do. do.
Raichore Station Works	4,59,390	Do. G. O., No. 2,809, of 22nd November 1870, and G. O., No. 960, of 12th April 1872.

MADRAS,
8th November 1872.

(Signed) B. ANDERSON,
Chief Engineer.

(Signed) J. W. MELLIS,
For *Agent and Manager.*

SUBMITTED to Government with reference to the Order of Government, No. 2,093, dated 3rd September 1872.

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

No. 110. ORDER THEREON, 5th December 1872, No. 2,866.

RAILWAY, No. 25.

ORDERED that the Schedule received with this letter be recorded and a copy forwarded for the information of the Government of India.

(True Extract.)

(Signed) G. W. WALKER, Colonel, R.E.,
Secretary to Government.

No. 111. (DOCKET No. 2,867, dated 5th December 1872.)

COPY of the above forwarded to the Government of India with reference to letter No. 1,080-A.-R., dated 16th August 1872.

(True Extract.)

Colonel, R. E.,
Secretary to Government.

Exd. A. S. Rodgers.

No. 813.

MADRAS RAILWAY.

AGENT AND MANAGER'S OFFICE.

Madras, 9th November 1872.

From

The Agent and Manager, of the M. R. Co.

To

Lt.-Col. J. H. M. Shaw Stewart, R.E.
Consulting Engineer for Railways.

SIR,

With reference to your letter No. 738 dated the 11th September last, and to the Order of Government which accompanied it, I have the honour to forward herewith a detailed Schedule of works remaining to be executed on the section of the North West Line opened for traffic less than two years, showing the outlay to be incurred thereon.

2. In forwarding me this Statement, the Chief Engineer explains that it comprises only works, the expenditure on which will be chargeable to the original construction Estimates detailed in the Statement forwarded to you with my letter No. 389 dated 8th June 1872. He further adds that it does not include the works mentioned in the foot note of the Statement for which separate Estimates have been sanctioned

97

I have the honour to be
Sir
Your most Obedient Servant

J. W. Mellis.

for the Agent & Manager.

23006

MADRAS RAILWAY.

From

The Agent and Manager.

To

The Consulting Engineer

for Railways

Dated 9 ? November 1872

Recd. 11.5

No: 813

P.W. 5599/72.

Forwarding a detailed Schedule of works remaining to be executed on the section of the N.W. Line opened for Traffic less than two years.

Encs- Dead/72 Ltr B.N. 109

No. 611.

Submitted to

Government with reference to the Order of Government No. 2093 dated 3rd September 1872.

Madras
18th November
1872

Manager.

Lieut. Col. A. Cadell, R.E.,
Cons. Engineer for Railways.

Sir,

The Secretary to Government
Public Works Department
Fort St. George.

P. W. 1872 Depart

From

No 5599.

The Consulting Engineer

for Railways.

to

The Secretary to Govt

P. W. Depart.

Dated 15th
Rec'd 14th } Nov 1872.

Secn: 2.

W 611.

No 2866-2867 - 5" Nov 72.

Forwarding

a detailed schedule

of works remaining to

be executed on the

Section of the P. W. Line

opened for traffic less

than two years

Withdrawn

Ordered that the Schedule returned with this letter be recorded and a copy forwarded for the information of the Govt of India

H.E. No. 4

129 + 116

Copy & the above forwarded to the Govt of India with reference to letter No. 1180 dated 4th Nov 72.

Rec'd 6th Dec 72. Ans 25th Dec 72.

Rec'd 6/12/72 Ans 23/12/72

Rec'd 3rd September 1872 28 29

C/F: 5599

Govt. of [illegible] Madras.

PUBLIC WORKS.

Encl. 2

G O 5th Decr 1872. 2866.
2867.

Nos. 109-110

Madras Railway. Taking orders on Schedule of Works remaining to be executed in the Section of the S. V. line opened for traffic less than two years.

Forwards Schedule of works remaining to be executed in the Section of the S. V. line of the Madras Ry opened for traffic less than two years.