

(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.	2107-02	Press
B.P. No.		Mis.
Dated	23-7-	195-

6875

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
23rd July 1875.*

No. 603 Read the following letter from Lieutenant-Colonel J. H. M. SHAW-
STEWART, R.E., Consulting Engineer for Railways, to Lieutenant-Colonel
J. MULLINS, R.E., Officiating Secretary to Government, Public Works
Department, dated Madras, 12th July 1875, No. 386 —

I have the honor to enclose, herewith, for transmission to the Government of
India, eight statements showing the maintenance sanctioned on each of the divisions
of the Madras Railway for the half year ending 31st December 1875.

MADRAS RAILWAY.
Maintenance—half-year ending 31st December 1875.

*Proceedings of the Madras Government, Public Works Department,
23rd July 1875.*

[illegible]

*Proceedings of the Madras Government, Public Works Department,
23rd July 1875.*

ESTIMATE FOR MAINTENANCE—HALF-YEAR ENDING 31ST DECEMBER 1875
1st Division, South-West Line, from Madras to Jollapett

[illegible]

Proceedings of the Madras Government, Public Works Department.
23rd July 1875

ESTIMATE FOR MAINTENANCE

Main line		Bridges		Total	
Double	Single	Double	Single	Double	Single
111	121	111	121	111	121
Total		Total		Total	

Head	Description of Work	Quantity	Unit	Rate	Amount
II	Maintenance of Main Line				
	(1) - Wagon -				
	64 Cans, at Rs. 11 10 x 5	10,514			
	Lorryman				
	Establishment				
	at Rs. 16 7 0 x 4	9,541			
	(2) - Materials -				
	Paint, 10,000 C yds, at Rs. 4 6	2,412			
	Boys				
	Boys				
Total Head II		21,214			
III	Repairs, Wages, and Materials				
	(1) - Bridges and Culverts				
	Painting				
	Repairs				
	(2) - Bridges				
	Repairs				
	Materials				
	Repairs				
	Materials				
	Total Head III		1,114		
IV	Repairs, Wages, and Materials				
	(1) - Station buildings				
	Repairs				
	(2) - Staff quarters				
	Repairs				
	Materials				
	Repairs				
	Materials				
	Repairs				
	Total Head IV		1,114		
V	Maintenance by contract				
	(1) - Station buildings				
	Repairs				
	(2) - Staff quarters				
	Repairs				
	Materials				
	Repairs				
	Materials				
	Repairs				
	Total Head V		1,114		
VI	Unforeseen Expenses				
	(1) - Station buildings				
	Repairs				
	(2) - Staff quarters				
	Repairs				
	Materials				
	Repairs				
	Materials				
	Repairs				
	Total Head VI		1,114		
Grand Total		21,214			

*Proceedings of the Madras Government, Public Works Department,
23rd July 1875.*

ESTIMATE FOR MAINTENANCE—HALF-YEAR ENDING 31st DECEMBER 1875

3rd Division, South-West Line, from Mullappooram to Pothanore

Mines maintained		Departmentally	By Contract	Total	
Main line	Double	121½	..	121½	
	Single		..		
	..		..		
Buildings	..	8	-	121½	
Total		..	..	..	

Head	Description of Works	Ordinary		Extra ordinary	Remarks
		Rs	P		
II	Machinery & Transport way				
	(1) - Wages -	11,317	..		Line gang consisting of -
	36 gangs, at Rs 62 12 3 X 6 ..	..	..		No.
	1 labourer ..	..	..		1 Mistry
	1 Establishment, at Rs 1,329 0 0 X 6 ..	7,909	..		81 Coolies, at Rs. 5 1 0
	(2) - Materials -	3 600	..		* Total .. 62 12 3
	Ballast, 7,200 C yds, at 8 Annas	8 075	..		
	Lime ..	4,910	..		
	Electricity ..	..	..		
	Total Head II	31,810	..		
III	Repairs, Wages, and Materials				
	(1) - { Bridges and Culverts .. 2,500 ..				Establishment
	{ Fences .. 400 ..				Rs A P
	{ Earthwork .. 900 ..				1 Inspector of Night Watchmen .. 12 0 0
	{ Fences .. 100 ..				1 Sub Inspector .. 50 0 0
	(2) - { Rails and Level crossings .. 200 ..				2 Inspector's Assistants, at Rs 30 0 0 .. 60 0 0
	{ Miscellaneous .. 200 ..				4 Do Writers, at .. 15 0 0 .. 60 0 0
	Total Head III	4 110	..		4 Section Masters, at .. 18-00 .. 72 0 0
	Repairs, Wages, and Materials				1 Carpenter Mistry .. 30 0 0
	(1) - { Station buildings yards &c .. 22,100 ..				1 Carpenter .. 20 0 0 .. 80 0 0
{ Fences, &c to bridges, &c .. 120 ..				2 Carpenters, at .. 18 0 0 .. 54 0 0	
(2) - Shed quarters .. 600 ..				2 Blacksmiths, at .. 7 0 0 .. 21 0 0	
Total Head IV	2,420	..		3 Hammermen, at .. 8 8 0 .. 26 4 0	
V	Maintenance by contract				1 Painter .. 17 0 0
	Total Head V	..	..		2 Engineer's Labourers, at .. 7-00 .. 14 0 0
	Provision of Expenditure				6 Store Labourers, at .. 7 0 0 .. 42 0 0
	(1) - Plantations .. 600 ..				1 Chucker .. 8 0 0
	(2) - Tools and Land .. 50 ..				1 Clerk .. 15 0 0
	(3) - Loss on Stores .. 650 ..				3 Coolies, .. 8 0 0
	Total Head VI	650	..		1 Sweeper .. 6 0 0
	Grand Total	40,140	..		130 Watchmen, at .. 6 0 0 .. 780 0 0
					* Total .. 1,329 0 0
					General repairs, Repairs 500, & storing goods shed at Salem, Rs 1,000

*Proceedings of the Madras Government, Public Works Department,
23rd July 1875*

ESTIMATE FOR MAINTENANCE—HALF-YEAR ENDING 31st DECEMBER 1875

4th Division, South-West Line, from Pth mine to P^g mine, on the N. E. of the

Miles maintained		Departmental	By Contract	Total
Main line	{ Double	100	"	"
	{ Single	141	"	141
Branches				
Total				141

Head	Description of Works	Quantity	Unit	Price per Unit	Total
II - Materials					
(1) - Wire	43 Canals, at Rs. 54 x 6	1392	sq. ft.	1.00	1392.00
	Establishment, at Rs. 54 x 6	2916	sq. ft.	1.00	2916.00
(2) - Materials	Fillings, 10,000 C yds. of Anas	10000	C yds.	2.00	20000.00
	Bricks	10000	sq. ft.	2.00	20000.00
	Total Head II	23916			33916.00
III - Structures and Materials					
(1) - Bridges and Culverts		1000			
(2) - Pathwork		1000			
(3) - Roads		6000			
(4) - Roads and Level crossings		400			
(5) - Miscellaneous		200			
	Total Head III	8700			
IV - Structures and Materials					
(1) - Station buildings, yards, &		2500			
(2) - Signposts, gate bridges, &c.		0			
(3) - Staff quarters		2000			
	Total Head IV	4500			
V - Maintenance by contract					
	Total Head V				
VI - Miscellaneous					
(1) - Furniture		1000			
(2) - Tools and Plant		500			
(3) - Loss on stores					
	Total Head VI	1500			
	Grand Total	33916			33916.00

*Proceedings of the Madras Government, Public Works Department,
23rd July 1875.*

ESTIMATE FOR MAINTENANCE—HALF-YEAR ENDING 31ST DECEMBER 1875
1st Division, North-West Line, from Arconum to Cuddapah

	Departmentally	By Contract	Total
Miles maintained			
Main line { Double track	110 1/2		110 1/2
Suburbs	13 1/2		
Suburbs			110 1/2
Total			

Head	Description of Works	Ordinary	Extraordinary	Remarks
II	Construction of Permanent way			
	(1) - Waggon			One gang consisting of—
	• 44 timbers, at Rs 52 × 6	13,724		1 Master .. 12
	• Labourer			5 Coolies, at Rs 5 .. 30
	• Permanent, at Rs 1,979 × 6	11,874		• Total .. 63
	(2) - Superstructure			Establishment
	• Timber, 12 0-0 C yds, at 4 Annas	3,000		2 Sub Inspectors, at Rs 10 .. 20
	• Iron	1,000		4 Inspectors & Assistants, at .. 80
	• Sleepers	2,000		1 Time keeper .. 9
	Total Head II ..	37,102		1 Inspector & Writer .. 10
III	Protective works to bridges			
	(1) - { Rails and Culverts ..	2,000	2,500	3 Inspectors & Writers, at Rs 15 .. 45
	{ Turnouts ..	2,000		2 Section Masters, at .. 15 .. 30
	{ Earthwork ..	2,500		3 Do do .. 30
	(2) - { Fences ..	200		1 Blacksmith .. 10
	{ Roads and Level crossings ..	200		2 Do .. 20
	{ Miscellaneous ..	200		3 Hammermen, at .. 6 .. 18
	Total Head III ..	6,900	2,500	2 Bellowsmen, at .. 5 .. 10
				1 Cart driver .. 10
				1 Tinker .. 10
IV	Repairs, Bridges, and Miscellaneous			
	(1) - { Rails and Culverts ..	2,000		1 Painter .. 10
	{ Turnouts ..	2,000		1 Sawyer .. 7
	{ Earthwork ..	2,500		1 Do .. 10
	(2) - { Fences ..	200		2 Locks .. at Rs 7 .. 14
	{ Roads and Level crossings ..	200		1 Store Watchman .. 8
	{ Miscellaneous ..	200		6 Do Watchmen, at .. 7 .. 42
	Total Head IV ..	6,900		4 Do Coolies, at .. 6 .. 20
				10 Day Watchmen, at .. 7 .. 70
				50 Night do .. at .. 7 .. 350
V	Maintenance by contract			
	(1) - { Rails and Culverts ..	2,000		15 Bridge do .. at .. 7 .. 105
	{ Turnouts ..	2,000		• Total .. 1,000
	{ Earthwork ..	2,500		
	(2) - { Fences ..	200		
	{ Roads and Level crossings ..	200		
	{ Miscellaneous ..	200		
	Total Head V ..	6,900		
VI	Repairs, Bridges, and Miscellaneous			
	(1) - { Rails and Culverts ..	2,000		
	{ Turnouts ..	2,000		
	{ Earthwork ..	2,500		
	(2) - { Fences ..	200		
	{ Roads and Level crossings ..	200		
	{ Miscellaneous ..	200		
	Total Head VI ..	6,900		
Grand Total		47,702	2,500	

Proceedings of the Madras Government, Public Works Department,
23rd July 1875.

ESTIMATE FOR MAINTENANCE - HALF-YEAR ENDING 31st DECEMBER 1875
2nd Division, North-West Line, from Cuddipah to Gundlupet

Miles maintained	Departmentally	By Contract	Total
Main line { Double Single	111	---	111
Sidings	7	---	7
Total	118	---	118

Head	Description of Works	Ordinary	Extraordinary	Remarks
II	Maintenance Permanent way			
	(1) - Wagon	24	28	
	• 40 Carriage, at Rs 47x6	11,240		
	• 100 Carriage, at Rs 1720x6	10,200		
	(2) - Materials	7,500		
	Ballast, 32,432 C yds, at Rs 3.8	123,642		
	• 100 Carriage, at Rs 47x6	11,240		
	• 100 Carriage, at Rs 1720x6	10,200		
	• 100 Carriage, at Rs 47x6	11,240		
	• 100 Carriage, at Rs 1720x6	10,200		
Total Head II		150,000		
III	Repairs, Ways, and Materials			
	(1) - Bridge and Culverts	2,000	10,000	
	(2) - Earthwork	2,000		
	(3) - Fences	2,000		
	(4) - Roads and Level crossings	2,000		
	(5) - Miscellaneous	2,000		
	(6) - New bridge at 121 1/2 miles		2,000	
	(7) - Alteration of level at 213 1/2 miles		2,000	
	(8) - 100 Carriage, at Rs 47x6		11,240	
	(9) - 100 Carriage, at Rs 1720x6		10,200	
Total Head III		10,000	24,000	
IV	Repairs, Ways, and Materials			
	(1) - Station buildings, yards, &c	2,000		
	(2) - Staff quarters	2,000		
	(3) - 100 Carriage, at Rs 47x6		11,240	
	(4) - 100 Carriage, at Rs 1720x6		10,200	
	(5) - 100 Carriage, at Rs 47x6		11,240	
	(6) - 100 Carriage, at Rs 1720x6		10,200	
	(7) - 100 Carriage, at Rs 47x6		11,240	
	(8) - 100 Carriage, at Rs 1720x6		10,200	
	(9) - 100 Carriage, at Rs 47x6		11,240	
Total Head IV		4,000	32,480	
V	Maintenance by contract			
	(1) - 100 Carriage, at Rs 47x6		11,240	
	(2) - 100 Carriage, at Rs 1720x6		10,200	
	(3) - 100 Carriage, at Rs 47x6		11,240	
	(4) - 100 Carriage, at Rs 1720x6		10,200	
	(5) - 100 Carriage, at Rs 47x6		11,240	
	(6) - 100 Carriage, at Rs 1720x6		10,200	
	(7) - 100 Carriage, at Rs 47x6		11,240	
	(8) - 100 Carriage, at Rs 1720x6		10,200	
	(9) - 100 Carriage, at Rs 47x6		11,240	
Total Head V			62,400	
VI	Unforeseen Expenses			
	(1) - Partitions			
	(2) - Tools and Plant			
	(3) - Loss on Stores			
	(4) - 100 Carriage, at Rs 47x6		11,240	
	(5) - 100 Carriage, at Rs 1720x6		10,200	
	(6) - 100 Carriage, at Rs 47x6		11,240	
	(7) - 100 Carriage, at Rs 1720x6		10,200	
	(8) - 100 Carriage, at Rs 47x6		11,240	
	(9) - 100 Carriage, at Rs 1720x6		10,200	
Total Head VI			42,400	
Grand Total		25,000	100,000	

Proceedings of the Madras Government, Public Works Department,
23rd July 1875.

ESTIMATE FOR MAINTENANCE HALF-YEAR ENDING 31st DECEMBER 1875
3rd Division, North-West Line, from Gundlupet to Ranchore, including Bellary Branch

Miles maintained	Departmentally	By Contract	Total
Main line { Double Single	108	---	108
Sidings	10	---	10
Total	118	---	118

Head	Description of Works	Ordinary	Extraordinary	Remarks
II	Maintenance Permanent way			
	(1) - Wagon	24	28	
	• 40 Carriage, at Rs 47x6	11,240		
	• 100 Carriage, at Rs 1720x6	10,200		
	(2) - Materials	7,500		
	Ballast, 32,432 C yds, at Rs 3.8	123,642		
	• 100 Carriage, at Rs 47x6	11,240		
	• 100 Carriage, at Rs 1720x6	10,200		
	• 100 Carriage, at Rs 47x6	11,240		
	• 100 Carriage, at Rs 1720x6	10,200		
Total Head II		150,000		
III	Repairs, Ways, and Materials			
	(1) - Bridge and Culverts	2,000	10,000	
	(2) - Earthwork	2,000		
	(3) - Fences	2,000		
	(4) - Roads and Level crossings	2,000		
	(5) - Miscellaneous	2,000		
	(6) - New bridge at 121 1/2 miles		2,000	
	(7) - Alteration of level at 213 1/2 miles		2,000	
	(8) - 100 Carriage, at Rs 47x6		11,240	
	(9) - 100 Carriage, at Rs 1720x6		10,200	
Total Head III		10,000	24,000	
IV	Repairs, Ways, and Materials			
	(1) - Station buildings, yards, &c	2,000		
	(2) - Staff quarters	2,000		
	(3) - 100 Carriage, at Rs 47x6		11,240	
	(4) - 100 Carriage, at Rs 1720x6		10,200	
	(5) - 100 Carriage, at Rs 47x6		11,240	
	(6) - 100 Carriage, at Rs 1720x6		10,200	
	(7) - 100 Carriage, at Rs 47x6		11,240	
	(8) - 100 Carriage, at Rs 1720x6		10,200	
	(9) - 100 Carriage, at Rs 47x6		11,240	
Total Head IV		4,000	32,480	
V	Maintenance by contract			
	(1) - 100 Carriage, at Rs 47x6		11,240	
	(2) - 100 Carriage, at Rs 1720x6		10,200	
	(3) - 100 Carriage, at Rs 47x6		11,240	
	(4) - 100 Carriage, at Rs 1720x6		10,200	
	(5) - 100 Carriage, at Rs 47x6		11,240	
	(6) - 100 Carriage, at Rs 1720x6		10,200	
	(7) - 100 Carriage, at Rs 47x6		11,240	
	(8) - 100 Carriage, at Rs 1720x6		10,200	
	(9) - 100 Carriage, at Rs 47x6		11,240	
Total Head V			62,400	
VI	Unforeseen Expenses			
	(1) - Partitions			
	(2) - Tools and Plant			
	(3) - Loss on Stores			
	(4) - 100 Carriage, at Rs 47x6		11,240	
	(5) - 100 Carriage, at Rs 1720x6		10,200	
	(6) - 100 Carriage, at Rs 47x6		11,240	
	(7) - 100 Carriage, at Rs 1720x6		10,200	
	(8) - 100 Carriage, at Rs 47x6		11,240	
	(9) - 100 Carriage, at Rs 1720x6		10,200	
Total Head VI			42,400	
Grand Total		25,000	100,000	

(Signed) H. R. P. CARTER,
for Chief Engineer.

MADRAS,
20th June 1875.

*Proceedings of the Madras Government, Public Works Department,
23rd July 1875.*

No 601

ORDER IN COUNCIL, 23rd July 1875, No 2,101

RAILWAY, No 53

Ordered that the enclosed be
forwarded to the Government of India.

(True Extract)

(Signed) J. O. HASTED, Major, R.E.,

Operating Joint Secretary to Government

No 605

(Docket No 2,102, dated 23rd July 1875)

Copy of the above forwarded to the Government of India

(True Extract)

(Signed) J. O. HASTED, Major, R.E.,

Operating Joint Secretary to Government

MADRAS RAIL

Abstract of Estimates for Maintenance—Half y

HEADS OF CHARGES

HEADS OF CHARGES		Madras Railway		1st Division S. W. Line		2nd Division S. W. Line		3rd Division	
		Whole length.		Madras to Bellary		Bellary to Chittoor		Chittoor to Tiruchirappalli	
		85 1/2 miles (single) 3 1/2 miles (double)		120 1/2 miles (single) 3 1/2 miles (double)		122 1/2 miles (single) 3 1/2 miles (double)		100 miles (single) 3 1/2 miles (double)	
		Amount	Per mile	Amount	Per Mile	Amount	Per Mile	Amount	Per Mile
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Head No. II	Ordinary	277127	323	57200	028	420265	228	318	
	Extraordinary	56520	63	6520	69				
Head No. III	Ordinary	67660	79	21830	113	37000	28	61	
	Extraordinary	23807	109	48714	260	12000	11		
Head No. IV	Ordinary	45635	53	19120	163	57900	62	2	
	Extraordinary	803	1						
Head No. V	Ordinary								
	Extraordinary								
Head No. VI	Ordinary	12150	15	2310	19	2000	18		
	Extraordinary								
		534545	543	105988	1166	420265	328	400	

Chief Engineer
Chief Engineer's Office

MADRAS RAILWAY,
Chief Engineer's Office,

1925

Chief Auditor
Chief Auditor's Office

WAY.

car ending 31st December 1875.

4th Division S W Line		1st Division S W Line		1st Division N W Line		2nd Division S W Line		3rd Division N W Line	
Tajpore to Channarayana		Belthavara to Kulphar including Kulphar Branch		Aranmula to Cuddalore		Cuddalore to Gondarut		Gondarut to Tanjore including Tanjore Branch	
130 1/2 Miles/Length		119 1/2 Miles/Length		111 Miles/Length		108 Miles/Length			
Amount	Per Mile	Amount	Per Mile	Amount	Per Mile	Amount	Per Mile	Amount	Per Mile
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
20	262	53622	411	32102	269	31991	298	40071	371
	.	30000	230	.	.	.	.	.	.
40	37	8750	67	6900	58	13550	122	8200	76
	.	.	.	2500	21	40900	369	195	2
220	26	4750	36	6250	52	2775	24	3700	34
	.	.	.	.	.	.	.	500	7
	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.
600	5	1850	14	2050	17	700	6	2300	21
	.	.	.	.	.	.	.	.	.
1400	330	98972	758	49802	417	89916	810	66270	521

11/12/75

[Signature]
Chief Engineer.

[Signature]
Chief Engineer.

Mr 4581/25

REBBS RAILWAY.

Estimate for Maintenance.

Half year ending 31st January 1877.
 Division of West Line from Howrah to Bonga.

Men Maintained		Expenditure	By Contract	Total
Main Line {	Active	130 1/2		130 1/2
	Superv.	130 1/2		130 1/2
	Subs.	23 1/2		23 1/2
Total		130 1/2		130 1/2

Item	Description of Work	Ordinary	Extraordinary	REMARKS
Maintenance, Permanent Way.				
(1) WAGES.				
4 M. Gangs	at Rs 147 x 4	15228	"	1 Gang working at Rs 147 x 4 = 15228
7 M. Gangs	at Rs 147 x 7	"	1012520	1 Gang working at Rs 147 x 7 = 1012520
Establishment	at Rs 147 x 6	10476	"	1 Gang working at Rs 147 x 6 = 10476
(2) MATERIALS				
1. Quarrying of				1. Quarrying of at Rs 147 x 4 = 15228
2. Quarrying of				2. Quarrying of at Rs 147 x 7 = 1012520
3. Quarrying of				3. Quarrying of at Rs 147 x 6 = 10476
4. Quarrying of				4. Quarrying of at Rs 147 x 4 = 15228
5. Quarrying of				5. Quarrying of at Rs 147 x 7 = 1012520
6. Quarrying of				6. Quarrying of at Rs 147 x 6 = 10476
7. Quarrying of				7. Quarrying of at Rs 147 x 4 = 15228
8. Quarrying of				8. Quarrying of at Rs 147 x 7 = 1012520
9. Quarrying of				9. Quarrying of at Rs 147 x 6 = 10476
10. Quarrying of				10. Quarrying of at Rs 147 x 4 = 15228

Hotel Duquesne, 1746...

General Anthony C. Good, Military Division

Includes, refers to District Hygiene

Ballast 15,000 L. @ 40¢ at 10 times		15,000	60,000	3,400
Ballast	15,000 L. @ 40¢ at 10 times	15,000	60,000	3,400
Earth	...	4,000	.	
Sleepers	...	57,200	6,550	6,550
Total Head III				
Repairs, Wages and Materials.				
(1)	{ Bridges and Culverts	7,000	10,300	10,300
	{ Tunnels	4,050		
	{ Earthwork	6,800		
	{ Fences	1,000		
(2)	{ Roads and Level Crossings	2,000		
	{ Miscellaneous			
Total Head III		21,850	10,300	10,300
Repairs, Wages and Materials.				
(1)	{ Stations buildings, yards, &c.	15,000		
	{ Signals, Gas Lodges, &c.	150		
	{ Staff Quarters	10,000		
Total Head IV		19,150		
Maintenance by Contract				
Total Head V				
Unclassified Expenditure.				
(1)	Plantation	2,500		
(2)	Tools and Plant	30		
(3)	Less on Stores	2,530		
Total Head VI				
Grand Total		100,750		

Widate
for Civil Rights

1. September 15. 1913
 2. October 15. 1913
 3. November 15. 1913
 4. December 15. 1913
 5. January 15. 1914
 6. February 15. 1914
 7. March 15. 1914
 8. April 15. 1914
 9. May 15. 1914
 10. June 15. 1914
 11. July 15. 1914
 12. August 15. 1914
 13. September 15. 1914
 14. October 15. 1914
 15. November 15. 1914
 16. December 15. 1914
 17. January 15. 1915
 18. February 15. 1915
 19. March 15. 1915
 20. April 15. 1915
 21. May 15. 1915
 22. June 15. 1915
 23. July 15. 1915
 24. August 15. 1915
 25. September 15. 1915
 26. October 15. 1915
 27. November 15. 1915
 28. December 15. 1915
 29. January 15. 1916
 30. February 15. 1916
 31. March 15. 1916
 32. April 15. 1916
 33. May 15. 1916
 34. June 15. 1916
 35. July 15. 1916
 36. August 15. 1916
 37. September 15. 1916
 38. October 15. 1916
 39. November 15. 1916
 40. December 15. 1916
 41. January 15. 1917
 42. February 15. 1917
 43. March 15. 1917
 44. April 15. 1917
 45. May 15. 1917
 46. June 15. 1917
 47. July 15. 1917
 48. August 15. 1917
 49. September 15. 1917
 50. October 15. 1917
 51. November 15. 1917
 52. December 15. 1917
 53. January 15. 1918
 54. February 15. 1918
 55. March 15. 1918
 56. April 15. 1918
 57. May 15. 1918
 58. June 15. 1918
 59. July 15. 1918
 60. August 15. 1918
 61. September 15. 1918
 62. October 15. 1918
 63. November 15. 1918
 64. December 15. 1918
 65. January 15. 1919
 66. February 15. 1919
 67. March 15. 1919
 68. April 15. 1919
 69. May 15. 1919
 70. June 15. 1919
 71. July 15. 1919
 72. August 15. 1919
 73. September 15. 1919
 74. October 15. 1919
 75. November 15. 1919
 76. December 15. 1919
 77. January 15. 1920
 78. February 15. 1920
 79. March 15. 1920
 80. April 15. 1920
 81. May 15. 1920
 82. June 15. 1920
 83. July 15. 1920
 84. August 15. 1920
 85. September 15. 1920
 86. October 15. 1920
 87. November 15. 1920
 88. December 15. 1920
 89. January 15. 1921
 90. February 15. 1921
 91. March 15. 1921
 92. April 15. 1921
 93. May 15. 1921
 94. June 15. 1921
 95. July 15. 1921
 96. August 15. 1921
 97. September 15. 1921
 98. October 15. 1921
 99. November 15. 1921
 100. December 15. 1921

General Expense Rs. 1000/- Budgeted Works Rs. 1000/-

General Expense Rs. 1000/- Budgeted Works Rs. 1000/-

General Expense Rs. 1000/- Budgeted Works Rs. 1000/-

1. 5000	2. 2000	3. 20365	4. 1500
5. 1000	6. 1000	7. 1000	8. 1000
9. 1000	10. 1000	11. 1000	12. 1000
13. 1000	14. 1000	15. 1000	16. 1000
17. 1000	18. 1000	19. 1000	20. 1000
21. 1000	22. 1000	23. 1000	24. 1000
25. 1000	26. 1000	27. 1000	28. 1000
29. 1000	30. 1000	31. 1000	32. 1000
33. 1000	34. 1000	35. 1000	36. 1000
37. 1000	38. 1000	39. 1000	40. 1000
41. 1000	42. 1000	43. 1000	44. 1000
45. 1000	46. 1000	47. 1000	48. 1000
49. 1000	50. 1000	51. 1000	52. 1000
53. 1000	54. 1000	55. 1000	56. 1000
57. 1000	58. 1000	59. 1000	60. 1000
61. 1000	62. 1000	63. 1000	64. 1000
65. 1000	66. 1000	67. 1000	68. 1000
69. 1000	70. 1000	71. 1000	72. 1000
73. 1000	74. 1000	75. 1000	76. 1000
77. 1000	78. 1000	79. 1000	80. 1000
81. 1000	82. 1000	83. 1000	84. 1000
85. 1000	86. 1000	87. 1000	88. 1000
89. 1000	90. 1000	91. 1000	92. 1000
93. 1000	94. 1000	95. 1000	96. 1000
97. 1000	98. 1000	99. 1000	100. 1000

MADRAS RAILWAY
 CIVIL ENGINEER'S OFFICE
 1913.

1913

Arctostaphylos

Paints	...	...	...	...	5000	.	
Stumps	...	...	...	...	2000	.	
					20365	.	

INDIAN RAILWAY.
CHIEF ENGINEER OFFICE.
CALCUTTA.

Estimate for Maintenance:

Half per centing *St. Louis* *1871.*

[illegible][illegible]

Estimate for Maintenance.

Division of West Line

Main Line.	{	Double	..	..	..	..
		Single.	...	..	...	...
Siding.			..	..	...	...

1. Inspectors of Light-Houses
 2. Inspectors of Harbors
 3. Inspectors of Customs
 4. Inspectors of Fisheries

(2) MATERIALS.

1. Engineer's Salary	at 20/	80
2. Stationmaster's Salary	at 18/	64
3. Signalman's Salary	at 14/	21
4. Bellman's Salary	at 10/	10
5. Porter's Salary	at 7/	17
6. Fireman's Salary	at 7/	14
7. Cook's Salary	at 5/	8
8. Sweeper's Salary	at 5/	15
9. Watchman's Salary	at 6/	3
* Total Repairs 1328		780

General repairs Rs. 1500/- Railway Gen.
 shed at Solan (R. 1000/-)

III	Ballast	7200 @ 4 1/2 at 8 Annas.	2600	
	Fails	...	3925	
(1)	Sweepers	...	1440	
	Total Head II.		31830	
Repairs, Wages and Materials.				
(1)	Bridges and Culverts	...	2800	
	Tunnels	...	420	
(2)	Earthwork	...	900	
	Fences	...	120	
(2)	Roads and Level Crossings	...	200	
	Miscellaneous	...		
Total Head III.			4440	
Repairs, Wages and Materials				
(1)	Station buildings, yards, &c.	...	2500	
	Signals, Gate Lodges, &c.	...	120	
(2)	Staff Quarters	...	600	
	Total Head IV		3220	
Maintenance by Contract				
Total Head V				
Unclassified Expenditure				
(1)	Plantation	...		
	Tools and Plant	...		
(2)	Locomotion	...		
Total Head VI				
Grand Total				

44,440

NEARAS RAILWAY. Estimate for Maintenance

Ballast	13000 @ 4.00	52000			
Rails ..	...	...	...	...	...
Staples	...	...	...	...	...
Total Head II			52000		

4 Ballast Bags	4	16	32
8. Size Hatchmen	6	48	...
80. Hatchmen	6	480	...
x Total Repairs, 986			

x Total Presses, 986.

WABAS RELAY.

Estimate for Maintenance.

Half year ending 31st Decem^r 1875.

1st Division. / West Line from Treceem to Cuddapah

M - Maintenance		Departmentally.	By Contract.	Total.
M - L -	...	...	...	...
	...	...	...	...
S -	...	...	...	...
	...	...	...	...
			Total	...

Item	Particulars of Work	Ordinary	Extraordinary	Remarks
Maintenance, Permanent Way.				
1. WAGES.				
2. Fuel, Grease	at 1850	13000		
3. Labourers				
4. Establishment	at 1979	11574		
(2) MATERIALS				

Budget 1900 to July at 11 Cents		3000
Yards	...	1500
Shops	...	2000
Total Head II		3500

Repairs, Wages and Materials

(1) (a) General Charges	...	2000
(b) Trenches	...	2000
(c) Earth work	...	2000
(d) Repairs	...	2000
(e) Roads and Level Crossings	...	2000
(f) Miscellaneous	...	2000
Total Head III		10000

Repairs, Wages and Materials

(1) (a) General Charges	...	2000
(b) Trenches	...	2000
(c) Earth work	...	2000
(d) Repairs	...	2000
(e) Roads and Level Crossings	...	2000
(f) Miscellaneous	...	2000
Total Head IV		10000

Maintenance by Contract

(1) (a) General Charges	...	2000
(b) Trenches	...	2000
(c) Earth work	...	2000
(d) Repairs	...	2000
(e) Roads and Level Crossings	...	2000
(f) Miscellaneous	...	2000
Total Head V		10000

Unclassified Expenditure

(1) (a) General Charges	...	2000
(b) Trenches	...	2000
(c) Earth work	...	2000
(d) Repairs	...	2000
(e) Roads and Level Crossings	...	2000
(f) Miscellaneous	...	2000
Total Head VI		10000

Grand Total

	...	35000
--	-----	-------

Includes repairs to Ballast Hoops

WILLIAM ELLMAN

CHIEF ENGINEER

1899

W. E. Ellman

1899

Paint	12000	6	at 11 times	3000
Paint	...	...	...	...
Shingles	...	...	...	...
Total Head II				22102
Repairs, Wages and Materials				
(1) (B) Personal Effects	...	...	...	2000
(1) Tunnels	...	...	...	...
(1) (B) (C) (D) (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z)	...	...	...	2000
(1) (B) (C) (D) (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z)	...	...	...	2200
(1) (B) (C) (D) (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z)	...	...	...	200
(1) (B) (C) (D) (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z)	...	...	...	200
Total				2000
Total Repairs 1979				2000

MEMBERS RAILWAY.

Estimate for Maintenance.

Half year ending 31st Dec 1877.

2nd Division. / West Line from Locust to Concord

Miles Maintained	Department	By Contract	Total
Main Line { Double	...	...	...
Single	...	...	...
Sidings	...	...	...
Total.			...

Head	Description of Works.	Ordinary	Extraordinary.	REMARKS.
Maintenance, Permanent Way.				
(1) WAGES.				
* 4000 Gangs at 7:17 x 6				
* Lorrymen				
* Establishment at 17:29 x 6				
(2) MATERIALS.				
Ballast 22822 @ 116 at 1/10				

4. Billenometer - 24.00
 1. 1000 - 20.00
 2. 1000 - 10.00
 3. 1000 - 12.00
 4. 1000 - 10.00
 170 1000 - 10.00
 Total 1000 17.00

New Bridge at 17.00 - 17.00
 (1) 1000 - 10.00
 (2) 1000 - 10.00
 (3) 1000 - 10.00
 (4) 1000 - 10.00
 Total 1000 17.00

																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					</
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	----

Mr. 4581/25.

MEADERS RAILWAY.

Estimate for Maintenance.

2nd Division. / West Line Half year ending 31st December 1875. from London to London & back.

Miles Maintained		By Contract	Total
Man Line.	...	...	...
Subs.	...	...	...
Total		Total	

Item	Description of Work	Quantity	Rate	Amount	Remarks
Maintenance. Permanent Way.					
(1) WAGES.					
...	...	...	...	...	...
...	...	...	...	...	...
...	...	...	...	...	...
(2) MATERIALS.					
...	...	...	...	...	...
...	...	...	...	...	...
...	...	...	...	...	...

Railway Department.

Madras 12 July/75

CONSULTING ENGINEER'S OFFICE.

No. *386*

13

From

LIEUT COLONEL J. H. M. SHAW STEWART, R.E.,

Consulting Engineer for Railways,

To

COLONEL G. W. WALKER, R.E.,

Secretary to Government,

Public Works Department,

Fort Saint George.

Sir,

*I have the honour to
enclose herewith for transmission
to the Government of India eight
statements showing the maintenance
sanctions on each of the divisions
of the Madras Railway for the
half year ending 31st December
1875.*

*I have the honour to be
Sir
Yours obedient servant
W. Maitland
For Secy. to Govt.*

W. Maitland

Office of the
 PUBLIC WORKS

Wm. H. [unclear]
John [unclear]
W. H. [unclear]

Statement showing the
 maintenance of the
 of the [unclear] the
 half year ending
 Dec 1878

Wm. H. [unclear] 31st September 1879