

Public Works (1895) Department.

RAILWAY BRANCH.

G.O., No. 225-26R

DATED 1st April

[Despatch Abstract.]

South Indian Railway (including Mayavaram Muttupet and Pondicherry Railways.) The analysis of working of the - for the half-year ended 31-12-74 ordered to be forwarded to the Director General of Railways and to the Secretary of State.

Forwarding copy of Prov. embodying the analysis of working of the S.I. Ry (including Mayavaram Muttupet & Pondicherry Ry.) for the half-year ended 31-12-74.

[illegible]

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

End. C. A. Manisawmy.
 Spare Copies

RAILWAY.

Govt. of {1895} Madras.
PUBLIC WORKS.

Dated April, 1st.

Recd.

Encl.

G.O., 1st April 1895, No. 225 R.

APRIL.

**South Indian Railway (includ-
ing Mayavaram-Muttupet
and Pondicherry Railways)**

The analysis of working of the — for
the half-year ended 31st December 1894,
ordered to be forwarded to the Director-
General of Railways and to the Secretary
of State.

1st APRIL 1895, No. ¹¹/₂₂₅ R., PUBLIC WORKS.

PUBLIC WORKS DEPARTMENT.

LETTER—to

THE RIGHT HONOURABLE THE SECRETARY OF STATE FOR INDIA.

RIGHT HONOURABLE SIR,

We have the honour to forward a copy of our Proceedings, No. 225 R., dated
1st April 1895, embodying the analysis of working of the South Indian Railway
(including Mayavaram-Muttupet and Pondicherry Railways) for the half-year ended
31st December 1894.

We have the honour to be,

Right Honourable Sir,

Your most obedient, humble servants,

(Signed) **WENLOCK.**

(„) **H. W. BLISS.**

(„) **J. GROSE.**

FORT ST. GEORGE,
1st April 1895.

Ed. C. A. Maniawany.

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GOVT. OF MADRAS.

PUBLIC WORKS DEPARTMENT.

(Copy.)

**LETTER to the Right Honourable
the Secretary of State for
India.**

No. ¹¹/₂₂₅ R., dated 1st April 1895.

FORWARDING copy of Proceedings embodying
the analysis of working of the South Indian
Railway (including Mayavaram-Muttupet and
Pondicherry Railways) for the half-year ended
31st December 1894.

SOUTH INDIAN RAILWAY.

(INCLUDING MAYAVARAM-MUTUPET AND
PONDICHERRY RAILWAYS.)

ANALYSIS OF WORKING

FOR THE

Half-Year ended 31st December 1894.

TRICHINOPOLY:—BEAUCHAM "ECLIPSE" PRESS

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SOUTH INDIAN RAILWAY.

(INCLUDING MAYAVARAM-MUTUPET AND PONDICHERY RAILWAYS.)

ANALYSIS OF WORKING

FOR THE HALF-YEAR ENDED 31st December 1894.

Progressive Number.	HEADINGS.		REMARKS.
No. I.			
DESCRIPTION OF RAILWAY WORKED.		Ft. In.	
1	Gauge of Railway ... Miles.	3 31	
2	Mean mileage worked ... No.	1,103.30	
3	Number of stations ...	106	
4	Total length of the following gradients ... Miles.		
	(a) 1% and less ...		
	(b) 1% to 1 1/2% ...	119.39	
	(c) 1 1/2% to 2% ...	207.91	
	(d) 2% to 2 1/2% ...	81.80	
	(e) 2 1/2% to 3% ...		
5	Steepest gradient worked— ... Miles.	3.12	
	(a) Length ...	1 in 100	
	(b) Inclination ...		
No. II.			
FINANCIAL RESULTS.			
6	Percentage of net earnings (including steam boat traffic) on Capital outlay ... Per cent.	2.34	
7	Percentage of net earnings on paid-up capital ...		
No. III.			
OUTLAY, EARNINGS AND EXPENSES.			
(Exclusive of Steam Boat Service.)			
8	Capital outlay per mile open ... Rs.	69,519.65	
9	Total earnings per mile open per week ...	150.29	
10	Total working expenses per-mile per week ...	85.44	
11	Total earnings per train-mile ...	2.55	
12	Total working expenses per train-mile ...	1.45	
13	Net earnings per train-mile ...	1.10	
14	Cost per 1,000 gross ton-miles moved (freight and dead weight) ...	9.02	
15	Percentage of total working expenses upon total earnings ... Per cent.	56.85	
16	Percentage of total working expenses upon total earnings, excluding from both sides of the account the charges for carriage of Revenue Stores ...	56.18	
(Inclusive of Steam Boat Service.)			
17	Percentage of total working expenses on total earnings (for details see table No. VII.) ...	56.85	
No. IV.			
DIVISION OF EXPENDITURE BETWEEN COACHING AND GOODS TRAFFIC.			
18	Total working expenses for both coaching and goods traffic, excluding steam boat expenses, and after deducting telegraph and sundry receipts, and leaving only the balance of payments to other lines for mileage, &c. ... Rs.	24,08,053	
Proportions, dividing expenditure in ratio of gross ton mileage (freight and dead load)—			
19	Coaching ...	11,22,525	
20	Goods ...	12,85,528	

Capital outlay of the Pondicherry Railway is Rs. 5,68,543.

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SOUTH INDIAN RAILWAY.

(INCLUDING MAYAVARAM-MUTUPET AND PONDICHERRY RAILWAYS.)

ANALYSIS OF WORKING.—(continued.)

HALF-YEAR ENDED 31st December 1891.

Progressive Number.	HEADINGS.		REMARKS.
No. V. COACHING TRAFFIC.			
21	GROSS RECEIPTS AND TRAIN-MILEAGE—		
22	Receipts from coaching Traffic	Rs.	
23	Coaching Train miles run	No.	23,24,981
	Average coaching receipts per train-mile	Rs.	801,453
			2-90
UNITS AND UNIT MILEAGE—			
	Number of units carried one mile.		
24	1st class	Unit Miles.	507,491
25	2nd "	"	4,111,892
26	3rd or Intermediate class	"	
27	4th or Lowest class	"	
28	Total Passenger unit mileage	"	200,812,878
29	Other coaching traffic	"	205,429,261
	Average sum received for carrying a unit one mile.	Ton Miles.	402,433
30	1st class	Pies.	11-85
31	2nd "	"	3-91
32	3rd or Intermediate class	"	
33	4th or Lowest class	"	
34	Average for all classes	"	2-00
35	Other coaching traffic per ton mile	"	2-06
	Average number of units in a train.	"	56-77
36	1st class	No.	63
37	2nd "	"	5-13
38	3rd or Intermediate class	"	
39	4th or Lowest class	"	
40	Total passenger units	"	250-56
41	Other coaching traffic	Tons.	256-32
			50
VEHICLES AND VEHICLE MILEAGE—			
	Number of Coaching Vehicles hauled one mile.		
42	1st class	Vehicle Miles.	739,202
43	2nd "	"	1,253,320
44	3rd or Intermediate class	"	
45	4th or Lowest class	"	
46	Other Vehicles	"	10,251,692
47	Brake-Vans	"	1,879,165
48	Total	"	132,493
	Average number of Vehicles in a coaching train.	"	14,255,872
49	1st Class	No.	92
50	2nd "	"	1-56
51	3rd or Intermediate class	"	
52	4th or Lowest class	"	
53	Other Vehicles	"	12-79
54	Brake-vans	"	2-34
55	Total	"	17
	Average earnings per coaching vehicle per mile.	"	17-78
56	1st class	Pies.	8-07
57	2nd "	"	12-81
58	3rd or Intermediate class	"	
59	4th or Lowest class	"	
60	Other vehicles	"	39-17
	Carrying capacity hauled one mile (excluding brakes)	"	12-16
61	1st class	Seats.	9,226,396
62	2nd "	"	18,684,549
63	3rd or Intermediate class	"	
64	4th or Lowest class	"	
65	Other vehicles	"	866,460,773
	Percentage of freight upon capacity hauled.	Tons.	7,406,919
66	1st class	Per cent.	5-46
67	2nd "	"	22-01
68	3rd or Intermediate class	"	
69	4th or Lowest class	"	
70	Other vehicles	"	54-50
			5-37

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SOUTH INDIAN RAILWAY.

(INCLUDING MAYAVARAM-MUTUPET AND PONDICHERRY RAILWAYS.)

ANALYSIS OF WORKING.—(continued.)

HALF-YEAR ENDED 31st December 1891.

Progressive Number.	HEADINGS.		REMARKS.
No. V. COACHING TRAFFIC.—(Continued.)			
WEIGHT OF TRAIN AND TON-MILEAGE—			
	Gross ton-mileage of all coaching trains.	Ton Miles.	12,830,506
71	Freight	"	111,682,456
72	Dead-weight	"	124,512,962
73	Total	"	
	Average weight of a coaching train.	Tons.	16-01
74	Freight	"	159-35
75	Dead-weight	"	155-36
76	Total	"	
COST OF WORKING AND PROFITS—			
77	Average cost of hauling a coaching train one mile	Rs.	1-40
78	Average cost of hauling a coaching vehicle with its load one mile	Pies.	15-26
	Average cost of hauling a coaching unit one mile.	"	93
79	Per passenger unit	"	60-96
80	Other traffic per ton	"	
81	Average profit on working a coaching train one mile	Rs.	1-50
	Average profit on working a coaching vehicle one mile.	Pies.	7-20
82	1st class	"	2-45
83	2nd "	"	
84	3rd or Intermediate class	"	23-91
85	4th or Lowest class	"	3-10
86	Other vehicles	"	
	Average profit on working a coaching unit one mile.	Pies.	1-13
87	Per passenger unit	"	4-19
88	Other traffic per ton	"	

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SOUTH INDIAN RAILWAY.
(INCLUDING MAYAVARAM-MUTUPET AND PONDICHERY RAILWAYS.)
ANALYSIS OF WORKING.—(continued.)
HALF-YEAR ENDED 31st December 1894.

Progressive Number.	HEADINGS.		REMARKS.
No. VI.			
GOODS TRAFFIC.			
GROSS RECEIPTS AND TRAIN-MILEAGE—			
89	Receipts from Goods Traffic	Rs.	10,39,907
90	Goods Train-miles run	No.	869,613
91	Average goods receipts per train-mile	Rs.	2-18
UNITS AND UNIT MILEAGE—			
92	Tons of Goods carried one mile	... Ton Miles.	48,522,620
93	Average sum received for carrying a ton one mile	Pies.	7-68
94	Average number of tons in a train	Tons.	54-54
VEHICLES AND VEHICLE MILEAGE—			
Number of Goods vehicles hauled one mile.			
95	Loaded	... Vehicle Miles.	11,249,545
96	Empty	"	4,256,614
97	Brake-vans	"	552,709
98	Total	"	16,058,868
Average number of vehicles in a goods train			
99	Freight vehicles	No.	17-43
100	Brake vans	"	62
101	Total	"	18-05
102	Average earnings per goods vehicle per mile (excluding brakes)	Pies.	24-02
103	Carrying capacity hauled one mile (excluding brakes)	Tons.	93,656,681
104	Percentage of freight upon capacity hauled	Per cent.	51-81
105	Average load of a goods vehicle (including both loaded and empty)	Tons.	3-13
106	Average load of a loaded goods vehicle	"	4-31
WEIGHT OF TRAIN AND TON MILEAGE—			
Gross ton mileage of all goods trains.			
107	Freight	Ton Miles.	48,522,620
108	Dead-weight	"	94,071,040
109	Total	"	142,593,660
Average weight of a goods train			
110	Freight	Tons.	54-54
111	Dead-weight	"	105-74
112	Total	"	160-28
COST OF WORKING AND PROFITS—			
113	Average cost of hauling a goods train one mile	Rs.	1-45
114	Average cost of hauling a goods vehicle with its load one mile	Pies.	15-92
115	Average cost of hauling a goods unit (viz. one ton) one mile	"	6-09
115A	Average cost of hauling a goods unit (viz. one ton) one mile including interest on Capital expended at the rate of 5 per cent per annum	"	3-28
116	Average profit on working a goods train one mile	Rs.	7-73
117	Average profit on working a goods vehicle with its load one mile	Pies.	8-10
118	Average profit on working a goods unit (viz. one ton) one mile	"	2-59

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SOUTH INDIAN RAILWAY.
(INCLUDING MAYAVARAM-MUTUPET AND PONDICHERY RAILWAYS.)
ANALYSIS OF WORKING.—(continued.)
HALF-YEAR ENDED 31st December 1894.

Progressive Number.	HEADINGS.		REMARKS.
No. VII.			
DETAILED PERCENTAGES OF EARNINGS AND EXPENDITURE.			
Percentage to Total Earnings—			
119	Coaching Traffic	... Per cent.	53-93
120	Goods Traffic	" "	45-00
121	Sundries, including Telegraph	" "	1-07
122	Steam-boat Earnings	" "	
	Total Earnings	" "	100-00
Percentage of Working Expenses upon Total Earnings—			
123	Maintenance	... Per cent.	11-61
124	Locomotive Expenses	" "	21-62
125	Carriage and Wagon Expenses	" "	7-26
126	Traffic Expenses	" "	8-30
127	General Charges	" "	7-10
128	Miscellaneous Charges	" "	98
129	Steam-boat Expenses	" "	
130	Total Working Expenses	" "	56-85

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SOUTH INDIAN RAILWAY.

(INCLUDING MAYAVARAM-MUTUPET AND PONDICHERRY RAILWAYS.)

ANALYSIS OF WORKING.—(contd.)—HALF-YEAR ENDED 31st December 1894.

No. VIII.—Working Expenses.

TABLE A.

Maintenance of Way, Works and Stations.

Reference to Revenue Account.	Table and main-head.	Sub-head.	Progressive number in Analysis.	DETAILS.	a. Per mile of line maintained. 1,103.39	b. Per mile of track including Sidings. 1,240.31	c. Per total Train-miles. 1,691,066	d. Per 1,000 gross ton miles. 267,106,622
					Rs.	Rs.	As.	Rs.
IX(A)	1	1 & 2 3 to 5 6	131	General Superintendence—				
				Engineers' Salaries and allowances	57.43	51.09	60	2
				Subordinate Superintendents' salaries and allowances, including overtime	33.23	31.21	37	14
				Office expenses	23.19	22.52	31	14
				Total...	125.85	111.95	131	52
				Maintenance and Renewal of Permanent Way—				
				Wages	112.09	99.71	117	46
				Materials	156.10	139.12	163	65
				Total...	268.49	238.83	280	111
				Repairs of Bridges, &c.—				
3(A)	3	1 2	133	Wages and Materials—				
				Bridges and tunnels	19.06	16.95	21	68
				Miscellaneous	11.79	10.49	12	40
				Total...	30.85	27.44	32	12
				Conservancy of Rivers—				
				Repairs of Stations and Buildings—				
				Wages and Materials—				
				Repairs of all, except staff quarters	12.43	11.06	13	42
				Repairs of staff quarters	3.28	3.54	4	15
				Total...	16.41	14.60	17	67
5	5	1 2	135	Maintenance by Contract—				
				Amount paid to Contractors				
				Materials supplied by the Railway				
				Total...				
				New Minor Works—	1.12	1.00	1	3
				Unclassified Expenditure—				
				Plantations	1.10	.97	1	3
				Tools and Plant	14.54	12.93	15	50
				Loss by exchange				
				Loss on stores, &c.	3.25	2.89	4	15
				Freight on Stores	27.47	24.44	29	11
7	7	1 2 3 4 5	136	Total...	46.36	41.23	49	19
				Total Heads, 5, 6 and 7	47.48	42.23	50	19
				Less Credits	34.02	30.26	35	14
				Net Total, Other Charges	13.46	11.97	15	6
				Total Maintenance	455.06	404.79	475	185

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SOUTH INDIAN RAILWAY.

(INCLUDING MAYAVARAM-MUTUPET AND PONDICHERRY RAILWAYS.)

ANALYSIS OF WORKING.—(contd.)—HALF-YEAR ENDED 31st Decr. 1894.

No. VIII.—Working Expenses.—(contd.)

TABLE B.

Locomotive Expenses.

Reference to Revenue Account.	Table and main-head.	Sub-head.	Progressive number in Analysis.	DETAILS.	a. Per total Train-mile. 1,691,066	b. Per Engine mile. 1,993,975	c. Per 1,000 gross ton-miles. 267,106,622
					As.	As.	Rs.
X(B)	1	1 & 2 3 to 5 6	138	General Superintendence—			
				Salaries of Superintendents and Assistants, including allowances	18	15	67
				Ditto of Subordinate ditto including ditto	32	27	113
				Office expenses	19	16	67
				Total...	69	58	247
				Running Expenses—			
				Wages of Drivers and firemen, including overtime	132	112	452
				Fuelling, cleaning and looking after engines	20	17	68
				Contingent expenses	1	1	4
				Total...	153	130	524
3	3	1 to 4	139	Fuel.—(In terms of Khurhurbaree coal)			
				Average quantity consumed	37.25	31.59	235.82
				Average price per ton Rs.*14.51			
				Do. cost	8.81	3.23	1.51
				Water—Including wages and Stores	18	16	67
				Oil, tallow and other Stores	30	25	112
				Maintenance and Renewals—			
				Wages including overtime	1.01	.86	40
				Materials	1.04	.84	41
				Total...	2.05	1.74	81
6 A.	6 A.	1 2 3	143	Machinery	.02	.02	.01
				New Minor works			
				Payments to other lines	.001	.001	.0013
				Unclassified Expenditure—			
				Loss by exchange	.01	.01	.004
				Loss on Stores, &c.	.30	.25	.12
				Freight on Stores			
				Total...	.31	.26	.12
				Total Heads 7, 8 and 9...	.31	.26	.12
				Less Credits	.04	.04	.01
144	144		145	Net Total, other Charges	.27	.22	.11
				Total, Locomotive Expenses	8.65	7.50	3.50

* This is in terms of Khurhurbaree but the average price on actual quantity as per Revenue account is Rs. 13.91, per ton.

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SOUTH INDIAN RAILWAY.
(INCLUDING MAYAVARAM-MUTUPET AND PONDICHERRY RAILWAYS.)
ANALYSIS OF WORKING—(contd.) HALF-YEAR ENDED 31st Decr. 1894.
No. VIII.—Working Expenses—(contd.)

TABLE E.
General Charges.

Reference to Revenue Account.		Progressive Number in Analysis.	DETAILS.	(a)	(b)
Table and main-head.	Sub-head.			Per total Train-Mile.	Per cent on total earnings.
				1,631,066	43.11,147
IX (E) 1	1 to 4	163	Home Expenditure	51	1.21
1 a			Government Supervision Audit and Control	33	.9
	1	164	Indian Management— Agent's Office, including travelling allowances and contingencies	21	.51
	2		Auditor's office ditto ditto	64	1.56
	3		Accounts office ditto ditto		
	4		Paymaster's office ditto ditto		
2		165	Total 2 to 4	64	1.56
	5	166	Store Department, ditto ditto	14	.33
	6	167	Medical Department, ditto ditto	12	.30
	7		Rents	0002	.0005
	8 to 10		Miscellaneous expenses, including printing stationery and medicine	15	.36
			Total 7 to 10	15	.36
3	1 to 3	169	Police	15	.36
4		170	Advertising	62	.06
			Electric Telegraph— Salaries, &c.	21	.51
	5		Maintenance (Wages and Stores)	03	.07
	6		Government Telegraph Department, for rent, maintenance and inspection	31	.81
		171	Total	58	1.42
6			Clearing Accounts, with other lines— Unclassified Expenditure— Loss by exchange		
	1		Loss on Stores, &c.	001	.002
7	2		Freight on Stores	0003	.001
	3		Total	0013	.003
			Total Heads, 6 and 7	0013	.003
			Less Credits	0001	.0002
		172	Net Total, Other Charges	0012	.003
		173	Total General Charges	2.91	7.13

Earnings of the South Indian Railway Company Rs. 41,79,256 11 8
Earnings of the Pondicherry Railway Company " 16,960 2 6
Earnings of the M. M. Railway Company " 114,909 18 2
Rs. 43,11,146 13 4

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SOUTH INDIAN RAILWAY.
(INCLUDING MAYAVARAM-MUTUPET AND PONDICHERRY RAILWAYS.)
ANALYSIS OF WORKING—(continued.)—HALF-YEAR ENDED 31st December 1894.
No. VIII.—Working Expenses—(contd.)

TABLE F.
Steam Boat Service.

Reference to Revenue Account.		Progressive Number in Analysis.	DETAILS.	Per cent on Steam boat earnings.
Table and main-head.	Sub-head.			
IX (F)			Working Expenses— Salaries and allowances of Officers and crews	
1	1		Loading and unloading vessels	
	2		Pilotage fees	
	3		Contingencies	
	4		Repairs— Wages	
2	1		Materials	
3	1 to 3	173 a	Fuel	
4			Miscellaneous Stores	
5	1 & 2		Steam Traffic Agencies	
6			New Minor Works	
7	1 to 6		Miscellaneous Expenditure	
			Total	
			Less Credits	
			Total Steam Boat Expenses	

TABLE G.
Special and Miscellaneous Expenditure.

Reference to Revenue Account.		Progressive Number in Analysis.	DETAILS.	Per cent on total earnings.
Table and main-head.	Sub-head.			
IX (G) 1		174	Law Charges— Compensation— For goods lost or damaged	
	1		Personal injury	.09
	2		Other claims	
	3		Total	.09
2		175	Rates and Taxes	.30
3		176	Payments to other Lines— Hire of Locomotives	
	1		of Vehicles	
	2		Mileage of foreign stock	.09
	3		Rent of stations, &c., jointly occupied	
	4		Total	.09
5		177	Contribution to Provident Fund	.29
6 to 8			Miscellaneous	.05
			Total Heads 5 to 8	.34
			Less Credits	
		178	Net Total Other Charges	.34
		179	Total Special and Miscellaneous Expenses	.83

WILLIAM S. BETTS,
Agent.

SOUTH INDIAN RAILWAY.

(INCLUDING MAYAVARAM-MUTUPET AND PONDICHERRY RAILWAYS)

APPENDICES TO ANALYSIS OF WORKING.

HALF-YEAR ENDED 31st December 1901.

APPENDIX I.

Working of Locomotives.

Reference to Revenue Account.	Table & main head.	Sub-head.	Passenger.	Passenger.	Goods.	Tank.	Total.
		1—Wheels coupled	...	4 Coupled Ta. Ca. Qs.	6 Coupled Ta. Ca. Qs.	4 Coupled Ta. Ca. Qs.	6 Coupled Ta. Ca. Qs.
		2—Weight on driving axle	{ S. I. R. Nellore. V. O.	7 0 0 0 0 0 6 15 0	6 0 0 6 15 0 7 16 0	6 8 0	9 0 3
	LOCOMOTIVES.	3—Weight of Engine in steam	{ S. I. R. Nellore. V. O.	20 0 0 0 0 0 21 8 0	19 0 0 19 13 0 22 6 0	20 0 0	27 17 1
		4—Weight of Tender Loaded	{ S. I. R. Nellore. V. O.	11 0 0	12 0 0 12 18 0 13 16 0		
XII	5	1—Number of Locomotives erected and made over to Locomotive Department	...	65	131	8	
	11	2—Average number of Locomotives constantly under repairs and renewals	...	8992	25815	1978	3
		3—Number of Locomotives laid by as spare	...		1		
		4—Ditto lent or hired out to other lines	...				
		5—Average number of Locomotives 1—(3 + 4)	...	65	130	8	
		6—Total Mileage of Locomotives (5)	...	661,539	1,294,072	48,364	1,99
		7—Average miles run by a Locomotive of each class 6 ÷ 5	...	10,178	9,877	6,015	
		Per diem.	...	55.32	53.68	32.95	
		8—Weight of coal &c. used per engine mile	...	114.	114.	114.	
		9—Weight of wood used per engine mile	...	20.92	33.27	23.72	
			Passenger Trains.	Goods Trains.	Mixed Trains.		
		10—Average gross weight of trains hauled	Tons... 102.88	112.75	145.39		
		11—Average speed between stations Miles per hour...	20	13	16		
		12—Average through speed Miles per hour...	16	9	12		
		13—Average consumption of coal per engine mile.	lbs... 22.33	28.62	26.77		

Description of fuel consumed.
Bengal Coal Tons. 16,745.22
Kongarcui " 4,098.86
Wood " 19,334.16

Ratio of Conversion.
Tons. 1.01
" 1.165
" 2.41

Quantity in terms of Kharbharce Coal.
Tons. 16,879
" 3,618
" 8,022

* Consumption of fuel in terms of Kharbharce coal.

APPENDIX II.

SOUTH INDIA RAILWAY.
(INCLUDING MAYAVADUTUPET AND PONDICHERY RAILWAYS.)
APPENDICES TO ANALYSIS OF WORKING.—(contd.) HALF-YEAR ENDED 31st December 1894.

APPENDIX II.

Worked.

DESCRIPTION OF VEHICLES.									MILEAGE OF				Ton mileage of Vehicle dead weight hauled on Home Line.	
Total number on the list at end of the half-year.	AVERAGE WEIGHT IN TONS.		AVERAGE CARRYING CAPACITY.		Average number laid by as spare.	Average number lent or hired out.	FORRIGN-VEHICLES ON HOME LINE.		HOME VEHICLES ON HOME LINE.		Home Vehicles on Foreign Lines.	Carrying Capacity hauled on Home Line.		
	Of each description of Vehicle.	Of each group.	Of each description of Vehicle.	Of each group.			Loaded.	Empty.	Loaded.	Empty.				
COACHING STOCK—														
BOGIE SIX-WHEELED.	Governor's Saloon Carriage	1	11-23	22	...	...	...	...	...	...	...	60,390	80,826	
	Inspection Carriage	1	10-00	22	...	...	...	...	...	...	...	194,318	88,340	
	First Class Clemenson's	1	12-30	22	...	...	...	...	...	...	...	172,568	96,481	
	Third Class do	37	10-26	64	...	...	...	...	...	...	...	37,908,928	6,077,273	
	Composite Carriage	14	11-61	23	...	...	...	...	...	...	...	7,358,350	3,417,218	
	Third Class do.	23	10-76	64	...	...	...	...	...	...	...	51,657,728	8,684,956	
	First Class do.	19	8-32	12	...	...	...	...	...	...	...	3,617,652	1,608,348	
	Composite do.	44	8-50	15	...	...	...	...	...	...	...	10,331,200	2,806,440	
	Second Class do.	44	8-83	12	...	...	...	...	...	...	...	9,108,612	4,440,448	
	Intermediate do.	...	...	...	...	...	...	...	...	...	...	278,411,371	41,760,930	
FOUR-WHEELED.	Third Class do.	537	8-10	31-39	...	...	...	...	...	...	...	...	...	
	Horse Boxes	30	8-25	1-17	...	...	...	...	...	...	...	...	...	
	Carriage Trucks	5	3-18	3-00	...	...	...	...	...	...	...	...	...	
	Luggage vans with brake	81	8-67	4-06	...	...	...	...	...	...	...	...	...	
	Post Office Vans	12	6-22	4-50	...	...	...	...	...	...	...	...	...	
Total ... 860 8-78 6-78 ...														
GOODS STOCK—														
FOUR-WHEELED.	Covered Goods Wagons	1,813	4-09	6-04	...	...	...	...	...	...	...	...	...	
	Cattle Trucks	6	4-21	2-00	...	...	...	...	...	...	...	...	...	
	Open Wagons	504	3-23	5-93	...	...	...	...	...	...	...	...	...	
	High sidet Wagons	813	3-72	6-00	...	...	...	...	...	...	...	...	...	
	Cotton Trucks	83	4-80	3-88	4-50	5-07	...	...	...	...	...	...	...	
	Timber Trucks	33	3-15	5-12	...	...	...	...	...	...	...	...	...	
	Miscellaneous	3	19-00	Nil	...	...	...	...	...	...	...	...	...	
	Powder Vans	8	4-76	4-40	...	...	...	...	...	...	...	...	...	
	Platform Wagons	4	2-76	6-00	...	...	...	...	...	...	...	...	...	
	Water Tanks travelling	17	3-65	3-65	Nil	...	...	...	...	...	...	...	...	
BOGIE SIX-WHEELED.	Tank Wagons for Carriage of Petroleum	6	8-06	8-46	...	...	...	...	...	...	...	...	...	
	Cotton Trucks Clemenson's	14	7-86	7-70	10-00	9-67	...	...	...	...	...	...	...	
	Ten Ton Boiler Truck	1	3-40	10-00	...	...	...	...	...	...	...	...	...	
	Iron low sidet Bogie Wagons	20	6-18	14-00	...	...	...	...	...	...	...	...	...	
	Timber Trucks Bogie	18	7-73	12-00	...	...	...	...	...	...	...	...	...	
Total ... 52 6-77 6-77 ...														
GRAND TOTAL ... 4,232 ...														

627 miles run by Travelling water tanks are not included in the mileage, columns i to o.

SOUTH INDIAN RAILWAY.

(INCLUDING MAYAVARAM-MUTUPET AND PONDICHERRY RAILWAYS.)

APPENDICES TO ANALYSIS OF WORKING.—(contd.)

HALF-YEAR ENDED 31st December 1894.

APPENDIX III.

Distribution of Mileage according to the traffic carried, giving total mileage of Home and Foreign Stock on Home line.

DESCRIPTION OF VEHICLES.	MILEAGE OF			REMARKS.
	Vehicles.	Carrying Capacity.	Dead weight.	
Coaching—				
First class	739,202	9,226,308	4,650,539	
Second class	1,263,320	18,684,549	8,132,071	
Third or Intermediate class				
Fourth or Lowest class	10,251,602	368,460,773	60,070,752	
Total Passenger vehicles	12,241,214	306,371,718	72,853,362	
Other coaching vehicles	1,879,165	7,406,919	10,550,921	
Total paying coaching mileage	14,123,379		83,404,183	
Passenger brake-vans	132,493		777,066	
Total coaching mileage including brakes	14,255,872		84,181,249	
Goods—				
Loaded Vehicles	11,249,545	67,812,116	44,314,707	
Empty do.	4,256,614	27,944,565	16,796,678	
Total paying goods mileage	15,506,159	95,756,681	61,111,385	
Goods brake-vans	572,709		3,634,011	
Total goods mileage, including brakes	16,078,868	95,756,681	64,745,396	
Miscellaneous—				
Free Mileage for inspection, &c... ..	84,523		273,111	
GRAND TOTAL	30,369,563		149,674,736	

SOUTH INDIAN RAILWAY.

APPENDICES TO ANALYSIS OF WORKING.—(continued.)

HALF-YEAR ENDED 31st December 1894.

APPENDIX IV.

Maintenance of Way.

RAILS.

DETAILS.	IRON.				STEEL.				Total Iron and Steel.
	Double headed weighing 66 lbs. per yard.	Flat footed weighing 40.5 lbs. per yard.	Flat footed weighing 33.5 lbs. per yard.	Total.	Steel weighing 41 lbs. per yard.	Steel weighing 50 lbs. per yard.	Steel weighing 66 lbs. per yard.	Total.	
1 Miles of rail in way, including sidings	805.69	926.74	2.38	634.80	838.72	867.52	1.66	1,707.80	2,342.60
2 Rails removed ... Miles...	.69	15.83	.22	16.64	1.09	.02	...	1.11	17.75
3 New Rails laid ... Miles...	17.99	2.45	...	20.44	3.47	11.64	...	15.11	35.65
Total mileage of Iron and steel Rails laid					...	35.65			
Do. do. removed					...	17.75			
					Increase	...	17.80		

Increase is due to addition and extension of sidings.

MAYAVARAM-MUTUPET RAILWAY.

APPENDICES TO ANALYSIS OF WORKING.—(Continued.)

HALF-YEAR ENDED 31st December 1894.

APPENDIX IV.

Maintenance of Way.

RAILS.

DETAILS.	IRON.				STEEL.				Total Iron and Steel.
	Double headed weighing 66 lbs. per yard.	Flat footed weighing 40.5 lbs. per yard.	Flat footed weighing 33.5 lbs. per yard.	Total.	Steel weighing 41 lbs. per yard.	Steel weighing 50 lbs. per yard.	Steel weighing 66 lbs. per yard.	Total.	
1 Miles of rail in way, including sidings	...	118.78	...	118.78	...	...	...	...	118.78
2 Rails removed ... Miles...	...	2.61	...	2.61	...	...	...	...	2.61
3 New Rails laid ... Miles...	...	3.77	...	3.77	...	...	...	...	3.77
Total mileage of Iron and Steel rails laid					...	...	...	...	...
Do. do. removed					...	...	...	...	...
					Increase	...	1.16		

Increase is due to extension of sidings.

SOUTH INDIAN RAILWAY. **APPENDICES TO ANALYSIS OF WORKING.—(continued.)**

HALF-YEAR ENDED 31st December 1894.

APPENDIX V.

Maintenance of Way.
SLEEPERS.

DETAILS.	WOOD.										IRON.				STEEL, TRANSVERSE SLEEPERS.
	TRANSVERSE.										Longitudinal.				
	Crowned line 9' x 10" x 5"	Crowned round 9' x 10" x 5"	Teak of size.	Pine 6' - 6" x 9" x 4 1/2"	Total.	Longitudinal.									
						Feet.	No.	Feet.	No.						
1 Number of Sleepers in way, including sidings at the commencement of the half-year.	268	259,734	67,812	77,536	405,390	103,093	217,120	832,508	10,692	1,060,420	91,460	746,502			
2 Average age of Sleepers in way at the end of the half-year. Year.	32.35	13.24	16.12	3.98	12.43	9.02	25.05	5.63	9.97	9.98	6.93	8.64			
3 Number removed	9	20,902	253	4,815	26,032	2,217	136	37	979	654	135	786			
4 Number laid	...	19,346	62	14,046	33,463	2,217	326	11,739	23	12,000	2,390	306			
5 Percentage of removals on total of each class (1)	75	8.03	42	6.23	6.42	2.14	0.6	0.4	3.54	0.8	0.15	0.11			
6 Number of Sleepers in way, including sidings at the end of the half year	266	258,173	67,028	84,739	412,811	103,649	217,310	844,310	10,336	1,071,956	93,708	746,022			

Total number of Wooden, Iron and Steel sleepers laid removed do.

Total number do. Increase

Increase is due to addition and extension of sidings.

MAYAVARAM—MUTUPET RAILWAY.

APPENDICES TO ANALYSIS OF WORKING.—Continued.

HALF-YEAR ENDED 31st December 1894.

APPENDIX V.

Maintenance of Way.
SLEEPERS.

DETAILS.	WOOD.						IRON.				STEEL TRANSVERSE SLEEPERS.			
	TRANSVERSE.						Longitudinal.							
	(Crowned line 9" x 10" x 5")	(Crowned line 9" x 10" x 5")	Top of sleepers	Plank 6'-0" x 9" x 1"	Total		Weight on lbs.	For sleepers	For sleepers	Weight on lbs.		Total.	For sleepers	For sleepers
	No.	No.	No.	No.	No.	No.	Pairs.	Pairs.	Pairs.	Pairs.		Pairs.	Pairs.	Pairs.
1 Number of Sleepers in way, including sidings at the commencement of the half-year	...	...	1,251	117,890	119,141	2,332	...	...	...	...	...	...	...	
2 Average age of Sleepers in way at the end of the half-year...	...	...	75	74	74	75	...	...	...	...	...	...	...	
3 Number removed	...	...	...	1,177	1,177	...	...	...	...	...	...	...	...	
4 Number laid	...	...	...	...	...	...	...	...	...	...	...	...	...	
5 Percentage of removals on total of each class (1)	...	...	...	...	...	...	...	...	...	...	...	...	...	
6 Number of sleepers in way, including sidings at the end of the half-year	...	...	1,251	119,607	120,319	2,332	...	...	...	...	...	...	...	

Total number of wooden sleepers laid removed do.

Increase

Increase is due to extension of sidings.

HALF-YEAR ENDED 31st December 1894.

APPENDIX IV.

Total mileage of Iron and steel Rails laid	...	25
do. do. removal	...	25

APPENDICES TO ANALYSIS OF WORKING.—(Continued.)

HALF-YEAR ENDED 31st December 1891.

Maintenance of Way.

SUBJECTS.

	DETAILS.	WOOD.						IRON.				STEEL, TRANSVERSE SHELFERS.	
		TRANSVERSE.						LONGITUDINAL.					
		Crosstie 9' x 10" x 5"	Crosstie & round 6' x 10" x 5"	Tie of size	Pinning C—6' x 9" x 4 1/2"	Total	Longitudinal.	Pairs.	Pairs.	Pairs.	Pairs.		
1	Number of Sleepers in way, including Sidings at the commencement of the half-year.	No.	No.	No.	No.	No.	Lined feet.	Pairs.	Pairs.	Pairs.	Pairs.	No.	No.
2	Average age of Sleepers in way at the end of the half-year... Years...	..	11,011	1,119	4,910	19,070	2,567	..	..	..	..	..	..
3	Number removed	..	11,009	13,041	2,32	1,070	15,00	..	..	..	..	..	..
4	Number laid	..	262	3	..	265	..	..	..	..	..	..	..
5	Percentage of renewals on total of each class (1)	..	65	3	207	265	..	..	..	..	..	..	..
6	Number of Sleepers in way, including Sidings at the end of the half-year.	..	2-01	26	..	1-49	..	..	..	..	..	..	..
		..	12,304	1,119	5,117	19,070	2,567	..	..	..	..	..	..
												265	265
													265

No. 296

W. Gent

South Indian Railway Co., Ltd.

AGENT'S OFFICE,

TRICHINOPOLY, 27th March 1895.

From

The AGENT,

SOUTH INDIAN RAILWAY,

To

The CONSULTING ENGINEER FOR RAILWAYS,

MADRAS.

Sir,

Referring to your letter No. 877 of the 13th instant and in continuation of my letter No. 258 of the 27th idem, I have the honor to forward herewith thirty copies of the Analysis of Working of this Railway for the half-year ended 31st December 1894.

I have the honor to be

— Sir

Your most obedient servant

J. H. Le Mesurier

for Agent

30 Enclosures

by Railway parcel.

46

1443

225 } R
226 }

From
The Asst.
South Indian Railway,
Trichinopoly.

To
The Consulting Engineer for
Railways,
Madras.

Dated
Received
No.
189
ENCLOSURE

No 225.R dated 1.4.95
PUBLIC WORKS DEPARTMENT.
RAILWAY BRANCH.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following
Letter from the Asst. S.I. Ry. — H.E. No. 296 dtd 29.3.95
concerning 30th Analysis of Working, South Indian Railway, (in-
cluding Mysore-Mantel and Pondicherry
Railways) for the half year ended 31st De-
cember 1894.

Print

Ordered to be forwarded
to the Director General of Rail-
ways and to the Secretary of
State.

The Asst. S.I. Ry.
Examiner of Ry. Accounts.

H.E. No. 226. R dtd 1st April 1895

DEPARTMENT FORWARDED.
-1 APR. 95
1895

H.E. No. 225 R dtd April 1895

Print

The Right Hon. the Secy. of
State for India.
Right Hon. Sir,

We have the honor to for-
ward a copy of our Pro. No. 225
of 1st April 1895 embodying
the

Analysis of working of the
Indian Railway (including
Mysore and
Tondicherry Railways) for the
~~second half of 1894~~ half
year ended 31 Dec 1894

OR.

Encl. to R.
No. 225 dated 1.4.95
in reply

No 225 R dated 1.4.95
226

P.S.