Public Works (1899) Department.

RAILWAY BRANCH.

G.O., No. 1140-41. Ry

DATED 11th Octr 1899.

Proof

[Despatch Abstract.]

Analysis of working, S.Ry.

Ordered that Copies of the — (including the Mayaveram-Dindigul, the Pondicherry, and the Peralam-Karaikkal Rys) for the half-year ended the 30/6/99, be forwarded to the Govt of India & to the Secy of State.

Forwarding a Copy of Rosenbodying the — (including the Mayaveram-Dindigul, the Pondicherry & the Peralam-Karaikkal Rys) for the half-year ended the 30/6/99.

[P. W. 26. 200—30-8-99.—]

Indexed.

BACK PAPERS.

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

FURTHER PAPERS.

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

RAILWAY.

Government {1899} of Madras.

PUBLIC WORKS.

Recd. } 1899. *Enclosures*

Regd. *Spare copies*

G.O., Nos. 1140, 1141 Ry., 11th October 1899.

OCTOBER.

Analysis of working, South Indian Railway

Forwarding a copy of proceedings embodying the — (including the Mayavaram-Mutupet, the Pondicherry and the Peralam-Karaikkal Railways), for the half-year ended the 30th June 1899.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Railway.

Read the following paper :—

From—The Agent, South Indian Railway.
To—The Consulting Engineer for Railways, Madras.
Dated—Trichinopoly, 30th September 1899, No. 976.

I have the honour to forward by railway parcel thirty (30) copies of the analysis of working of the South Indian, Mayavaram-Mutupet, Pondicherry and Peralam-Karaikkal Railways, for the half-year ended 30th June 1899.

Order—No. 1140 Ry., dated 11th October 1899.

Ordered that nine copies of the analysis of working of the South Indian Railway (including the Mayavaram-Mutupet, the Pondicherry and the Peralam-Karaikkal Railways), for the half-year ended the 30th June 1899, be forwarded to the Government of India and to the Secretary of State.

[Here enter No. 1141 Ry., dated 11th October 1899.]

(True Extract.)

Francis J. E. Spring,
Secretary.

To the Agent, South Indian Railway.
" Examiner, Guaranteed Railway Accounts, Madras.
" Consulting Engineer for Railways.

Endorsement—No. 1141 Ry., dated 11th October 1899.

Forwarded.

(By order.)

Francis J. E. Spring,
Secretary.

Exd. Shaik Karim.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

(Copy.)

Letter to the Right Honourable the Secretary of State for India.

No. $\frac{26}{1140\ Ry.}$, dated 11th October 1899.

Forwarding a copy of Proceedings embodying the analysis of working, South Indian Railway (including the Mayavaram-Mutupet, the Pondicherry and the Peralam-Karaikkal Railways), for the half-year ended the 30th June 1899.

South Indian Railway.

(INCLUDING MAYAVARAM–MUTUPET, PONDICHERRY AND PERALAM–KARAIKKAL RAILWAYS.)

ANALYSIS OF WORKING

FOR THE

Half-Year ended 30th June 1899.

TRICHINOPOLY:—BRANCH "ECLIPSE" PRESS.

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SOUTH INDIAN RAILWAY.

(INCLUDING MAYAVARAM-MUTUPET, PONDICHERRY AND PERALAM KARAIKKAL RAILWAYS.)

ANALYSIS OF WORKING

FOR THE HALF-YEAR ENDED *30th June 1899:*

Progressive Number.	Headings.				Remarks.
	No. 1.				
	DESCRIPTION OF RAILWAY WORKED.			Ft. In.	
1	Gauge of Railway	...		3 $3\frac{3}{8}$	S.I.Ry. M.M.Ry. P.Ry. P. K. Ry.
2	Mean mileage worked	...	*Miles.*	1,094·12	1017·88 53·99 7·80 14·45
3	Number of stations	...	*No.*	169	
4	Total length of the following gradients				
	(*a*) $\frac{1}{50}$ and less	...	*Miles.*	...	
	(*b*) $\frac{1}{51}$ to $\frac{1}{80}$	...	,,	...	
	(*c*) $\frac{1}{81}$ to $\frac{1}{100}$	...	,,	119·39	
	(*d*) $\frac{1}{101}$ to $\frac{1}{200}$	...	,,	207·91	
	(*e*) $\frac{1}{201}$ to $\frac{1}{300}$	...	,,	82·48	
5	Steepest gradient worked—				
	(*a*) Length	...	*Miles.*	3·12	
	(*b*) Inclination	...	,,	1 in 100	
	No. II.				
	FINANCIAL RESULTS.				
6	Percentage of net earnings (including steam boat traffic) on Capital outlay	...	*Per cent.*	2·49	S.I.Ry. M.M.Ry. P.Ry. P. K. Ry. 2·54 1·83 1·54 ·50
7	Percentage of net earnings on paid-up capital		,,	...	
	No. III.				
	OUTLAY, EARNINGS AND EXPENSES.				
	(*Exclusive of Steam Boat Service*)				S.I.Ry. M.M.Ry. P.Ry. P. K. Ry.
8	Capital outlay per mile open	...	*Rs.*	69,800·73	71,308·34, 46,195·63, 72,890·13, 50,131·14
9	Total earnings per mile open per week	...	,,	152·84	
10	Total working expenses per-mile per week	...	,,	84·18	
11	Total earnings per train-mile	...	,,	2·51	
12	Total working expenses per train-mile	...	,,	1·38	
13	Net earnings per train-mile	...	,,	1·13	
14	Cost per 1,000 gross ton-miles moved (freight and dead weight)	...	,,	8·55	
	Percentage of total working expenses upon total earnings	...	*Per cent.*	55·08	
	Percentage of total working expenses upon total earnings, excluding from both sides of the account the charges for carriage of Revenue Stores	...	,,	54·54	
	(*Inclusive of Steam Boat Service.*)				
17	...entage of total working expenses on total ...nings (for details see table No. VII.)		,,	55·08	
	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.*	23,27,266	
	Proportions, *dividing expenditure in ratio of gross ton mileage* (*freight and dead load*)				
19	Coaching	...	,,	11,07,882	
20	Goods	...	,,	12,19,384	

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

SOUTH INDIAN RAILWAY.

(INCLUDING MAYAVARAM-MUTUPET, PONDICHERRY AND PERALAM KARAIKKAL RAILWAYS.)

ANALYSIS OF WORKING.—(*continued.*)

HALF-YEAR ENDED *30th June 1899.*

Progressive Number.	Headings.			Remarks.
	No. V.			
	COACHING TRAFFIC.			
	Gross Receipts and Train-Mileage—			
21	Receipts from coaching Traffic	*Rs.*	21,63,913	
22	Coaching Train miles run	*No.*	862,524	
23	Average coaching receipts per train-mile	*Rs.*	2·51	
	Units and Unit Mileage—			
	Number of units carried one mile.			
24	1st class			
25	2nd ,,	*Unit Miles.*	664,398	
26	3rd or Intermediate class	,,	2,523,061	
27	4th or Lowest class	,,	...	
28	Total Passenger unit mileage	,,	183,692,182	
29	Other coaching traffic	,,	186,879,641	
	Average sum received for carrying a unit one mile.	*Ton Miles.*	446,082	
30	1st class			
31	2nd ,,	*Pies.*	11·64	
32	3rd or Intermediate class	,,	5·92	
33	4th or lowest class	,,	...	
34	Average for all classes	,,	1·99	
35	Other coaching traffic per ton mile	,,	2·08	
	Average number of units in a train.	,,	59·31	
36	1st class			
37	2nd ,,	*No.*	·77	
38	3rd or Intermediate class	,,	2·93	
39	4th or Lowest class	,,	...	
40	Total passenger units	,,	212·97	
41	Other coaching traffic	,,	216·67	
		Tons.	·52	
	Vehicles and Vehicle Mileage—			
	Number of Coaching Vehicles hauled one mile			
42	1st class	*Vehicle Miles.*	949,615	
43	2nd ,,	,,	1,279,566	
44	3rd or Intermediate class	,,	...	
45	4th or Lowest class	,,	11,627,288	
46	Other Vehicles	,,	2,097,891	
47	Brake-vans	,,	2,951	
48	Total	,,	15,957,311	
	Average Number of Vehicles in a coaching train.			
49	1st class	*No.*	1·10	
50	2nd ,,	,,	1·49	
51	3rd or Intermediate class	,,	...	
52	4th or Lowest class	,,	13·48	
53	Other Vehicles	,,	2·43	
54	Brake-vans	,,	·003	
55	Total	,,	18·50	
	Average earnings per coaching vehicle per mile.			
56	1st class	*Pies.*	8·15	
57	2nd ,,	,,	11·66	
58	3rd or Intermediate class	,,	...	
59	4th or Lowest class	,,	31·51	
60	Other vehicles	,,	12·61	
	Carrying capacity hauled one mile (excluding brakes)			
61	1st class	*Seats.*	8,283,904	
62	2nd ,,	,,	15,239,897	
63	3rd or Intermediate class	,,	...	
64	4th or Lowest class	,,	361,743,070	
65	Other vehicles	*Tons.*	4,368,967	
	Percentage of freight upon capacity hauled.			
66	1st class	*Per cent.*	8·02	
67	2nd ,,	,,	16·56	
68	3rd or Intermediate class	,,	...	
69	4th or Lowest class	,,	50·78	
70	Other vehicles	,,	10·21	

SOUTH INDIAN RAILWAY.

(INCLUDING MAYAVARAM-MUTUPET, PONDICHERRY AND PERALAM-KARAIKKAL RAILWAYS.)

ANALYSIS OF WORKING.—(*continued.*)

HALF-YEAR ENDED *30th June 1899.*

Progressive Number.	Headings.			Remarks.
	No. V.			
	COACHING TRAFFIC.—(*Continued.*)			
	Weight of Train and Ton-Mileage—			
	Gross ton-mileage of all coaching trains.			
71	Freight	*Ton Miles*	11,735,898	
72	Dead-weight	,,	117,912,681	
73	Total	,,	129,648,579	
	Average weight of a coaching train.			
74	Freight	*Tons.*	13·60	
75	Dead-weight	,,	136·71	
76	Total	,,	150·31	
	Cost of Working and Profits—			
77	Average cost of hauling a coaching train one mile	*Rs.*	1·28	
78	Average cost of hauling, a coaching vehicle with its load one mile	*Pies.*	13·33	
	Average cost of hauling a coaching unit one mile.			
79	Per passenger unit	,,	·99	
80	Other traffic per ton	,,	61·33	
81	Average profit on working a coaching train one mile	*Rs.*	1·23	
	Average profit on working a coaching vehicle one mile.			
82	1st class	*Pies.*	*5·18*	*Loss.*
83	2nd ,,	,,	*1·67*	*do.*
84	3rd or Intermediate class	,,		
85	4th or Lowest class	,,	18·18	
86	Other vehicles	,,	*·72*	*do.*
	Average profit on working a coaching unit one mile.			
87	Per passenger unit	*Pies.*	1·09	
88	Other traffic per ton	,,	*2·02*	*do.*

SOUTH INDIAN RAILWAY.

(INCLUDING MAYAVARAM-MUTUPET, PONDICHERRY AND PERALAM-KARAIKKAL RAILWAYS.)

ANALYSIS OF WORKING.—*(continued.)*

HALF-YEAR ENDED *30th June 1899.*

Progressive Number.	Headings.			Remarks.
	No. VI.			
	GOODS TRAFFIC.			
	GROSS RECEIPTS AND TRAIN-MILEAGE—			
89	Receipts from Goods Traffic	*Rs.*	21,16,545	
90	Goods Train-miles run	*No.*	868,717	
91	Average goods receipts per train-mile	*Rs.*	2·44	
	UNITS AND UNIT MILEAGE—			
92	Tons of Goods carried one mile	*Ton Miles.*	46,406,429	
93	Average sum received for carrying a ton one mile	*Pies.*	8·76	
94	Average number of tons in a train	*Tons.*	53·42	
	VEHICLES AND VEHICLE MILEAGE—			
	Number of Goods vehicles hauled one mile.			
95	Loaded	*Vehicle Miles.*	12,106,681	
96	Empty	,,	4,456,244	
97	Brake-vans	,,	541,858	
98	Total	,,	17,104,783	
	Average number of vehicles in a goods train			
99	Freight vehicles	*No.*	19·07	
100	Brake-vans	,,	·62	
101	Total	,,	19·69	
102	Average earnings per goods vehicle per mile (excluding brakes)	*Pies.*	24·54	
103	Carrying capacity hauled one mile (excluding brakes)	*Tons.*	100,250,041	
104	Percentage of freight upon capacity hauled	*Per cent.*	46·29	
105	Average load of a goods vehicle (including both loaded and empty)	*Tons.*	2·80	
106	Average load of a loaded goods vehicle	,,	3·83	
	WEIGHT OF TRAIN AND TON MILEAGE—			
	Gross ton mileage of all goods trains.			
107	Freight	*Ton Miles.*	46,406,429	
108	Dead-weight	,,	96,290,441	
109	Total	,,	142,696,870	
	Average weight of a goods train			
110	Freight	*Tons.*	53·42	
111	Dead-weight	,,	110·84	
112	Total	,,	164·26	
	COST OF WORKING AND PROFITS—			
113	Average cost of hauling a goods train one mile	*Rs.*	1·40	
114	Average cost of hauling a goods vehicle with its load one mile	*Pies.*	14·14	
115	Average cost of hauling a goods unit (viz. one ton) one mile	,,	5·05	
115 A	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	,,	9·29	
116	Average profit on working a goods train one mile	*Rs.*	1·04	
117	Average profit on working a goods vehicle with its load one mile	*Pies.*	10·40	
118	Average profit on working a goods unit (viz. one ton) one mile	,,	3·71	

SOUTH INDIAN RAILWAY.

(INCLUDING MAYAVARAM-MUTUPET, PONDICHERRY AND PERALAM KARAIKKAL RAILWAYS.)

ANALYSIS OF WORKING.—*(continued.)*

HALF-YEAR ENDED *30th June 1899.*

Progressive Number.	Headings.			Remarks.
	No. VII.			
	DETAILED PERCENTAGES OF EARNINGS AND EXPENDITURE.			
	Percentage to Total Earnings—			
119	Coaching Traffic	*Per cent.*	49·77	
120	Goods Traffic	,,	48·68	
121	Sundries, including Telegraph	,,	1·55	
122	Steam-boat Earnings	,,	...	
	Total Earnings	,,	100·00	
	Percentage of Working Expenses upon Total Earnings—			
123	Maintenance	*Per cent.*	10·10	
124	Locomotive Expenses	,,	21·71	
125	Carriage and Wagon Expenses	,,	5·45	
126	Traffic Expenses	,,	9·18	
127	General Charges	,,	7·15	
128	Miscellaneous Charges	,,	1·49	
129	Steam-boat Expenses	,,	...	
130	Total Working Expenses	,,	55·08	

SOUTH INDIAN RAILWAY.

(INCLUDING MAYAVARAM-MUTUPET, PONDICHERRY AND PERALAM KARAIKKAL RAILWAYS.)

ANALYSIS OF WORKING.—*(contd.)*—HALF-YEAR ENDED *30th June 1899.*

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. 1,094·12	*b.* Per mile of track including Sidings. 1,237·03	*c.* Per total Train-mile. 1,731,241	*d.* Per 1,000 gross ton miles. 272,345,449
IX (A)	...		*General Superintendence*—	Rs.	Rs.	As.	Rs.
1	1 & 2		Engineers' Salaries and allowances	44·85	39·67	·45	·18
	3to5		Subordinate Superintendents' salaries and allowances, including overtime	32·78	28·99	·33	·13
	6		Office expenses	29·81	26·37	·30	·12
		131	Total...	107·44	95·03	1·08	·43
2	1		*Maintenance and Renewal of Permanent Way*— Wages	102·38	90·55	1·04	·41
	2		Materials	147·67	130·61	1·49	·60
		132	Total...	250·05	221·16	2·53	1·01
3	1		*Repairs of Bridges, &c.*— *— Wages and Materials.* Bridges and tunnels	23·77	21·02	·24	·09
	2		Miscellaneous	6·53	5·78	·07	·03
		133	Total...	30·30	26·80	·31	·12
	3(A)	134	*Conservancy of Rivers*—				
4	1		*Repairs of Stations and Buildings —Wages and Materials*— Repairs of all, except staff quarters	14·38	12·72	·15	·06
	2		Repairs of staff quarters	6·32	5·58	·06	·02
		135	Total...	20·70	18·30	·21	·08
5	1		*Maintenance by Contract*— Amount paid to Contractors				
	2		Materials supplied by the Railway				
			Total...				
6			*New Minor Works*—	5·62	4·44	·05	·02
7	1		*Unclassified Expenditure*— Plantations	·26	·23	·002	·001
	2		Tools and Plant	3·85	3·40	·04	·02
	3		Loss by exchange	...	...	...	...
	4		Loss on stores, &c.	·30	·27	·003	·001
	5		Freight on Stores	18·31	16·20	·19	·07
			Total...	22·72	20·10	·23	·09
			Total Heads, 5, 6 and 7	27·74	24·54	·28	·11
			Less Credits	*34·75*	*30·74*	*·35*	*·14*
		136	*Net Total, Other Charges*	*7·01*	*6·20*	*·07*	*·03*
		137	*Total Maintenance*	401·48	355·09	4·06	1·61

If done Departmentally.

SOUTH INDIAN RAILWAY.

(INCLUDING MAYAVARAM-MUTUPET, PONDICHERRY AND PERALAM KARAIKKAL RAILWAYS.)

ANALYSIS OF WORKING.—*(contd.)*—HALF-YEAR ENDED *30th June 1899.*

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. 1,731,241	*b.* Per Engine mile. 2,001,894	*c.* Per 1,000 gross ton-miles. 272,345,449
IX (B) 1	1 & 2		*General Superintendence*— Salaries of Superintendents and Assistants, including allowances	As. ·16	As. ·14	Rs. ·07
	3 to 5		Ditto of Subordinate ditto including ditto	·26	·22	·10
	6		Office expenses	·18	·16	·07
		138	Total...	·60	·52	·24
			Running Expenses—			
2	1 & 2		Wages of Drivers and firemen, including overtime	1·23	1·07	·49
	3		Fuelling, cleaning and looking after engines	·27	·24	·11
	4		Contingent expenses	·02	·01	·01
		139	Total...	1·52	1·32	·61
3	1 to 4		*Fuel.*—(In terms of Khurhurbaree coal) Average quantity consumed	lbs. 29·85	lbs. 25·82	lbs. 189·77
			Average price per ton Rs.*15·28	As.	As.	Rs.
		140	Do. cost	3·26	2·82	1·30
4		141	*Water.*—Including wages and Stores	·16	·14	·06
5		142	*Oil, tallow and other Stores*	·29	·25	·11
			Maintenance and Renewals—			
6	1 & 2		Wages including overtime	1·78	1·54	·71
	3		Materials	·86	·74	·34
		143	Total...	2·64	2·28	1·05
6 A.	...	...	Machinery	·02	·01	·01
7			*New Minor Works*			
8			*Payments to other lines*			
			Unclassified Expenditure—			
9	1		Loss by exchange	...	...	...
	2		Loss on Stores, &c.	·008	·008	·004
	3		Freight on Stores	·29	·247	·11
			Total...	·298	·255	·11
			Total Heads 7, 8 and 9	·298	·255	·11
			Less Credits	*·064*	*·055*	*·02*
		144	*Net Total, other Charges*	·23	·20	·09
		145	*Total, Locomotive Expenses*	8·72	7·54	3·47

* This is in terms of Khurhurbaree but the average price on actual quantity as per Revenue Account is Rs. 13·07 per ton.

SOUTH INDIAN RAILWAY.

(INCLUDING MAYAVARAM-MUTUPET, PONDICHERRY AND PERALAM KARAIKKAL RAILWAYS.)

ANALYSIS OF WORKING.—*(contd.)*—HALF-YEAR ENDED *30th June 1899.*

No. VIII.—Working Expenses.—*(contd.)*

TABLE C.

Carriage and Wagon Expenses.

Reference to Revenue Account. Table and main-head.	Sub-head.	Progressive number in Analysis.	DETAILS.	*a.* Per total Train-mile. 1,731,241	*b.* Per 1,000 Vehicle miles run by home Vehicles. 31,427,642
			General Superintendence—	As.	Rs.
IX (C) 1	1 & 2		Salaries of Superintendents, including allowances ...	·05	·19
	3 to 5		Ditto of Subordinate ditto, including ditto	·09	·29
	6		Office expenses	·06	·21
		146	Total...	·20	·69
			Repairs and Renewals of Vehicles and Machinery—		
2	1 to 3		Coaching Vehicles ... Wages including overtime ...	·26	1·71
		147	Materials	·67	4·53
			Total...	·93	6·24
	1 to 3		Goods Vehicles ... Wages including overtime ...	·29	2·02
		148	Materials	·56	3·99
2A.			Machinery	·85	6·01
			Cleaning and Oiling—	·007	·02
3	1		Labour, including wages of Oilers, &c.	·18	·63
	2		Stores	·06	·20
		149	Total...	·24	·83
4			*New Minor works—*	·002	·007
			Unclassified Expenditure—		
5	1		Loss by exchange	...	...
	2		Loss on Stores, &c.	·003	·01
	3		Freight on Stores	·007	·02
			Total...	·010	·03
			Total Heads, 4 and 5	·012	·04
			Less Credits	*·051*	*·17*
		150	*Net Total, Other Charges*	*·039*	*·13*
		151	*Total, Carriage and Wagon Expenses*	2·19	7·54

SOUTH INDIAN RAILWAY.

(INCLUDING MAYAVARAM-MUTUPET, PONDICHERRY AND PERALAM-KARAIKKAL RAILWAYS.)

ANALYSIS OF WORKING.—*(contd.)*—HALF-YEAR ENDED *30th June 1899.*

No. VIII.—Working Expenses.—*(contd.)*

TABLE D.

Traffic Expenses.

Reference to Revenue Account. Table and main head.	Sub-head.	Progressive number in Analysis.	DETAILS.	*a.* Per total Train-Mile. 1,731,241	*b.* Per cent of Traffic earnings. Abstracts H. and I. 42,80,458
			General Superintendence—	As.	Per cent.
IX (D) 1	(*a*) 1 & 3		Traffic Manager, Assistants, &c., including travelling allowance	·36	·90
	(*a*) 2 & 4		Office Establishment and contingencies	·16	·43
		152	Total...	·52	1·33
	(*b*)	153	*Station Staff*	1·68	4·24
	(*c*)	154	*Train Staff*	·40	1·01
2	1 to 3	155	*Fuel, Lighting, Water and General Stores*	·44	1·11
3		156	*Clothing*	·03	·08
4		157	*Printing, Stationery and Tickets*	·53	1·34
5		158	*Charges for delivery and collection of goods, &c.*	...	...
6		159	*Miscellaneous Expenses*	·01	·03
			Payments to Other Lines—		
7	1	160	Expenses at Joint Stations	·08	·19
			Unclassified Expenditure—		
8	1		Loss by Exchange	...	...
	2		Loss on Stores, &c.	·00001	·00003
	3		Freight on Stores	·000006	·00002
			Total Head 8 ...	·00002	·00005
			Less Credits	*·004*	*·01*
		161	*Net Total, Other Charges*	*·004*	*·01*
		162	*Total Traffic Expenses*	3·69	9·32

SOUTH INDIAN RAILWAY.

(INCLUDING MAYAVARAM-MUTUPET, PONDICHERRY AND PERALAM-KARAIKKAL RAILWAYS.)

ANALYSIS OF WORKING.—(*contd.*)—HALF-YEAR ENDED *30th June 1899.*

No. VIII.—Working Expenses.—(*contd.*)

TABLE E.

General Charges.

Reference to Revenue Account. Table and main-head.	Sub-head.	Progressive number in Analysis.	DETAILS.	(*a*). Per total Train-Mile.	(*b*.) Per cent on total earnings.
				1,731,241	43,47,758
				As.	Per cent.
IX (E) 1	1 to 4	163	*Home Expenditure*	·39	·97
1 *a*			*Government Supervision, Audit and Control*	·38	·95
2	1	164	*Indian Management*— Agent's Office, including travelling allowances and contingencies	·21	·51
	2		Auditor's office ditto ditto		
	3		Accounts office ditto ditto		
	4		Paymaster's office ditto ditto	·66	1·65
		165	Total 2 to 4	·66	1·65
	5	166	Store Department ditto ditto	·19	·46
	6	167	Medical Department, ditto ditto	·14	·34
	7		Rents	·003	·008
	8 to 10		Miscellaneous expenses, including printing, stationery and medicine	·15	·381
		168	Total 7 to 10...	·15	·39
3	1 to 3	169	*Police*	·20	·49
4		170	*Advertising*	·01	·02
			Electric Telegraph—		
5	1 to 4		Salaries, &c. ...		
	5		Maintenance (Wages and Stores)	·22	·55
	6		Government Telegraph Department, for rent, maintenance and inspection	·03	·09
		171		·29	·71
6			*Clearing Accounts, with other lines*— Total...	·54	1·35
			Unclassified Expenditure—		
7	1		Loss by exchange ...		
	2		Loss on Stores, &c.	·003	·008
	3		Freight on Stores	·00004	·00009
			Total...	·003	·008
			Total Heads, 6 and 7	·003	·008
			Less Credits	·001	·002
		172	*Net Total, Other Charges*	·002	·006
		173	*Total General Charges*	2·87	7·14

Earnings of the South Indian Railway Company	Rs.	41,93,337-8- 6
Earnings of the Pondicherry Railway Company	,,	19,424-2- 4
Earnings of the M. M. Railway Company	,,	1,21,103-7- 6
Earnings of the P. K. Railway Company	,,	13,893-4-11
	Rs.	43,47,758-7- 3

SOUTH INDIAN RAILWAY.

(INCLUDING MAYAVARAM-MUTUPET, PONDICHERRY AND PERALAM-KARAIKKAL RAILWAYS.)

ANALYSIS OF WORKING.—(*continued.*)—HALF-YEAR ENDED *30th June 1899.*

No. VIII.—Working Expenses.—(*contd.*)

TABLE F.

Steam Boat Service.

Reference to Revenue Account. Table and main-head.	Sub-head.	Progressive Number in Analysis.	DETAILS.	Per cent on Steam boat earnings.
IX (F)	...		*Working Expenses*—	Per cent.
1	1		Salaries and allowances of Officers and crews...	
	2		Loading and unloading vessels	
	3		Pilotage fees	
	4		Contingencies	
			Repairs—	
2	1		Wages	
	2		Materials	
3	1 to 5	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. Table and main-head.	Sub-head.	Progressive Number in Analysis.	DETAILS.	Per cent on total earnings. 43,47,758
IX (G) 1	...	174	*Law Charges*—	Per cent. ·003
			Compensation—	
2	1		For goods lost or damaged	
	2		,, Personal injury	·02
	3		,, Other claims	...
		175		...
				Total... ·02
3	...	176	*Rates and Taxes*	·36
			Payments to other Lines—	
4	1	...	Hire of Locomotives	
	2	...	,, of vehicles	...
	3	...	Mileage of foreign stock	...
	4	...	Rent of stations, &c., jointly occupied	·34
		177		·14
				Total... ·48
5	...	...	*Contribution to Provident Fund*	·31
6 to 8	...	...	*Miscellaneous*	·06
			Total Heads 5 to 8	·37
			Less Credits	...
		178	*Net Total Other Charges*	·37
		179	*Total Special and Miscellaneous Expenses*	1·23

W. H. SPALDING,

Acting Agent.

SOUTH INDIAN RAILWAY.

(INCLUDING MAYAVARAM-MUTUPET, PONDICHERRY AND PERALAM-KARAIKKAL RAILWAYS)

APPENDICES TO ANALYSIS OF WORKING.

HALF-YEAR ENDED *30th June 1899.*

APPENDIX I.

Working of Locomotives.

Reference to Revenue Account. Table & main head.	Sub-head			Passenger.	Passenger.	Goods.	Tank.		Total.
		LOCOMOTIVES.	1—Wheels coupled ...	...	4 Coupled Ts. Cs. Qs.	6 Coupled Ts. Cs. Qs.	4 Coupled Ts. Cs. Qs.	6 Coupled Ts. Cs. Qs.	
			2—Weight on driving axle ... S. I. R.	...	6 15 0	6 9 0	7 19 0	6 8 0	
			2—Weight on driving axle ... O. class.	...	8 6 2	0 0 0			
			2—Weight on driving axle ... Nellore	...	0 0 0	6 15 0	...	...	
			2—Weight on driving axle ... V. G.	...	6 15 0	7 16 0	...	...	
			3—Weight of Engine in steam... S. I. R.	...	21 9 0	20 14 0	...	...	
			3—Weight of Engine in steam... O. class.	...	23 14 0	0 0 0	26 4 0	20 0 0	
			3—Weight of Engine in steam... Nellore	...	0 0 0	19 18 0	...	...	
			3—Weight of Engine in steam... V. G.	...	21 9 0	22 5 0	...	...	
			4—Weight of Tender Loaded ... S. I. R.	...	14 0 0	14 0 0			
			4—Weight of Tender Loaded ... O. class.	...	15 10 0	0 0 0	...	...	
			4—Weight of Tender Loaded ... Nellore	...	0 0 0	12 18 0	...	...	
			4—Weight of Tender Loaded ... V. G.	...	14 0 0	13 16 0	...	...	
XII	5	1—Number of Locomotives erected and made over to Locomotive Department							
	11	2—Average number of Locomotives constantly under repairs and renewals	...	...	69	131	8		208
		3—Number of Locomotives laid by as spare	...	...	8·348	18·784	·928		28·060
		4—Ditto lent or hired out to other lines	...	...	...	2	...		2
		5—Average number of Locomotives 1—(3 + 4)	...	...	...	...	...		...
		6—Total Mileage of Locomotives (5)	...	...	69	129	8		206
		7—Average miles run by a Locomotive of each class 6 ÷ 5	...	...	777,307	1,164,963	59,624		2,001,894
		Per diem.	...	...	11,265	9,031	7,453		9,718
		8—Weight of coal &c., used per engine mile ...		...	62·24	49·90	41·18		53·69
		9—Weight of wood used per engine mile ...	*To be separated if possible among the classes of Locomotives* ...	...	lbs. 22·51	lbs. 38·48	lbs. 16·15		lbs. 25·82*

	Passenger Trains.	Goods Trains.	Mixed Trains.		
10—Average gross weight of trains hauled *Tons...*	60·65	98·45	203·84	...	123·27
11—Average speed between stations *Miles per hour...*	27½	13	16	...	...
12—Average through speed *Miles per hour...*	18	9½	12	...	...
13—Average consumption of coal per engine mile, *lbs...*	26·75	27·91	27·39	...	...

Description of fuel consumed.			Coefficient or multiplier for reducing to Khurhurbaree Coal.	Quantity in terms of Khurhurbaree Coal
COAL. Singareni	Tons.	3,308·06	Tons. ·55	Tons. 1,819·43
COAL. Burrakur	,,	20,056·15	·88	17,649·41
	Total.	23,364·21		19,468·84
FIREWOOD Contractor's	Tons.	10,599·41	·34	3,603·80
	Total.	10,599·41		3,603·80

* Consumption of fuel in terms of Khurhurbaree Coal.

APPENDIX II.

(INCLUDING MAYAVARAM-MUTUPET, PONDICHERRY

SOUTH INDIAN

APPENDICES TO ANALYSIS

APPEN

Working of

DESCRIPTION OF VEHICLES.	Total number on the list at end of the half-year.	Average Weight in Tons. Of each description of Vehicle.	Average Weight in Tons. Of each group.	Average Carrying Capacity. Of each description of Vehicle.	Average Carrying Capacity. Of each group.	Average number laid by as spare.	Average number lent or hired out.	Average number working a—(f+g)
	a.	b.	c.	d.	e.	f.	g.	h.
COACHING STOCK.								
Four-wheeled. Bogie. Governor's Saloon Carriage	1	11·23		22	...	...	...	1
Inspection Carriage ...	2	11·66		15	...	...	...	2
First Class Clemenson's	1	12·30		22	...	...	...	1
Third Class Carriage...	76	10·76		64	...	...	...	76
* Composite Carriage ...	20	11·61	11·21	25	...	...	...	20
Composite ½ 3rd ½ Luggage van	20	12·04		24	...	...	...	20
Do. ½ 3rd ½ Postal Van	8	12·10		32	...	...	...	8
*Six-wheeled Third Class Carriage ...	8	10·26	10·26	64	...	...	...	8
Four-wheeled. Inspection carriage Engineers ...	3	6·57		6·50	...	...	...	3
First class do. ...	19	6·24		10	...	...	...	19
Composite do. ...	48	6·15		12·36	...	...	...	48
Second class do. ...	44	5·85		12	...	...	...	44
Third class do. ...	537	5·29	5·47	31·34	...	...	...	537
Horse Boxes ...	30	5·25		1·17	...	...	...	30
Carriage Trucks ...	5	3·16		3·00	...	...	...	5
Luggage vans with brake ...	81	5·87		2·00	...	...	...	81
Post Office Vans ...	18	6·29		3·33	...	...	...	18
Total...	921	6·32	6·32	...	...	...	...	921
GOODS STOCK—								
Four Wheeled. Covered Goods Wagons ...	1,817	4·09		6·04				1817
Cattle Trucks ...	6	4·21		2·00				6
Open Wagons ...	467	3·26		5·96				467
High sided Wagons ...	813	3·72		6·00				813
Cotton Trucks ...	63	4·80	3·89	4·50	5·97	...	...	63
Timber Trucks ...	33	3·15		5·12				33
Travelling cranes ...	3	19·00		Nil.				3
Powder Vans ...	7	4·87		4·29				7
Platform Wagons ...	4	2·76		6·00				4
Water Tanks travelling ...	17	3·65	3·65	Nil.				17
*Six-wheeled. Tank Wagons for Carriage of Petroleum ...	10	7·75		10·00				10
Cotton Trucks Clemenson's ...	14	7·86	7·64	10·00	10·00	...	...	14
Ten Ton Boiler Truck ...	1	3·40		10·00				1
* Bogie Iron low sided Bogie Wagons ...	20	6·15		14·00				20
Timber Trucks Bogie... ...	18	7·73	6·90	12·00	13·05	...	...	18
Brake Vans	52	6·77	6·77	...	...	...	...	52
Total ...	3,345	4·00	4·00	6·08	6·08	...	...	3,345
GRAND TOTAL ...	4,266	...	...	...	...	...	...	4,266

* Mileage of Bogie and Six-wheeled carriages of double the carrying capacity of ordinary vehicles has been doubled.

RAILWAY.

AND PERALAM-KARAIKKAL RAILWAYS.)

OF WORKING.—(contd.) HALF-YEAR ENDED 30th June 1899.

DIX II.

Vehicles.

MILEAGE OF: Foreign Vehicles on Home Line. Loaded.	Foreign Vehicles on Home Line. Empty.	Home Vehicles on Home Line. Loaded.	Home Vehicles on Home Line. Empty.	Home Vehicles on Foreign Lines.	Carrying Capacity hauled on Home Line.	Ton mileage of Vehicle dead weight hauled on Home Line.
i.	k.	l.	m.	n.	o.	p.
...	...	1,080	...	...	11,880	6,064
...	...	23,300	...	...	174,750	135,839
...	...	17,566	...	...	193,226	108,031
...	...	3,069,974	...	...	98,239,168	16,516,460
...	...	1,249,786	...	...	15,622,325	7,255,008
...	...	1,352,764	...	...	16,233,168	8,143,639
...	...	...	...	...	1,690,955	...
...	...	645,072	...	...	10,321,152	3,902,685
...	...	...	...	...	483,804	...
...	...	334,340	...	...	10,698,880	1,715,164
...	...	12,119	...	...	78,774	79,622
380	...	268,536	...	...	2,689,160	1,678,036
...	...	561,293	...	...	6,937,581	3,451,952
...	...	362,187	...	...	4,346,244	2,118,794
...	...	7,045,734	...	...	220,813,304	37,271,933
998	900	1,215,407	20,757	...	2,475,419	7,203,972
1,378	900	16,159,158	20,757	1,390	...	89,587,199
1,032,910	932,803	* 10,730,794	3,247,517	...	96,777,346	61,196,654
...	...	...	...	...	...	13,888
...	...	216,196	160,090	...	1,881,430	1,437,413
...	...	141,558	115,834	...	1,679,483	888,002
...	...	410,928	...	...	...	2,781,983
1,032,910	932,803	11,499,476	3,523,441	223,420	...	66,317,940
1,034,288	933,703	27,658,634	3,544,198	224,810	...	155,905,139

* Includes 118 miles run by Travelling crane.

3,805 miles run by Travelling water tanks are not included in the mileage, columns i to o

Average mileage per diem run by ... { Coaching Vehicles 89,404 / Goods ditto 93,860

SOUTH INDIAN RAILWAY.

(*INCLUDING MAYAVARAM—MUTUPET, PONDICHERRY AND PERALAM-KARAIKKAL RAILWAYS.*)

APPENDICES TO ANALYSIS OF WORKING.—(*contd.*)

HALF YEAR ENDED *30th June 1899.*

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	949,615	8,283,904	5,721,138	
Second class	1,279,566	15,239,897	7,527,750	
Third or Intermediate class	...	...	...	
Fourth or Lowest class	11,627,288	361,743,070	62,568,335	
Total Passenger vehicles	13,856,469	385,266,871	75,817,223	
Other coaching vehicles	2,097,891	4,368,976	12,409,903	
Total paying coaching mileage	15,954,360	...	88,227,126	
Passenger brake-vans	2,951	...	19,978	
Total coaching mileage, including brakes ...	15,957,311	...	88,247,104	
Goods—				
Loaded Vehicles	12,106,681	72,981,693	46,587,500	
Empty do.	4,456,244	27,268,348	16,890,975	
Total paying goods mileage	16,562,925	100,250,041	63,478,475	
Goods Brake-vans	541,858	...	3,548,360	
Total goods mileage, including brakes	17,104,783	...	67,026,835	
Miscellaneous—				
Free mileage for inspection, &c.	108,729	...	631,200	
GRAND TOTAL ...	33,170,823	...	155,905,139	

SOUTH INDIAN RAILWAY.

APPENDICES TO ANALYSIS OF WORKING.—(*Continued.*)

HALF-YEAR ENDED *30th June 1899.*

APPENDIX IV.

Maintenance of Way.

RAILS.

	DETAILS.	IRON.				STEEL.				Total Iron and Steel.
		Double-headed weighing 68 lbs. per yard.	Flat footed weighing 40·3 lbs. per yard.	Flat footed weighing 35·5 lbs. per yard.	Total.	Steel, weighing 41 lbs. per yard.	Steel, weighing 50 lbs. per yard.	Steel, weighing 56 lbs. per yard.	Total.	
1	Miles of rail in way, including sidings	302·38	229·32	2·14	533·84	794·60	970·70	2·62	1,767·92	2,301·76
2	Rails removed ... Miles...	3·09	4·03	...	7·12	·02	·04	...	·06	7·18
3	New Rails laid ... Miles...	1·09	1·47	...	2·56	2·90	2·04	...	4·94	7·50

Total mileage of Iron and steel Rails laid ... 7·50 Miles.
Do. do. removed ... 7·18 „
Increase ... ·32

Increase is due to extension of sidings.

MAYAVARAM-MUTUPET RAILWAY.

APPENDICES TO ANALYSIS OF WORKING.—(*Continued.*)

HALF-YEAR ENDED *30th June 1899.*

APPENDIX IV.

Maintenance of Way.

RAILS.

	DETAILS.	IRON.				STEEL.				Total Iron and Steel.
		Double-headed weighing 68 lbs. per yard.	Flat footed weighing 40·3 lbs. per yard.	Flat footed weighing 35·5 lbs. per yard.	Total.	Steel, weighing 41 lbs. per yard.	Steel, weighing 50 lbs. per yard.	Steel, weighing 56 lbs. per yard.	Total.	
1	Miles of rail in way, including sidings	...	119·24	...	119·24	...	...	...	...	119·24
2	Rails removed ... Miles...	...	2·99	...	2·99	...	...	...	...	2·99
3	New Rails laid ... Miles...	...	2·99	...	2·99	...	...	...	...	2·99

Total mileage of Iron and Steel rails removed ... ... 2·99
Do. do. rails laid ... ... 2·99

SOUTH INDIAN RAILWAY.

APPENDICES TO ANALYSIS OF WORKING—(*continued.*)

HALF-YEAR ENDED *30th June 1899.*

APPENDIX V.

Maintenance of Way.

SLEEPERS.

	DETAILS.	Wood. Transverse. Sal wood.	Jarrah wood.	Creosoted ½ round 6′ × 10″ × 5″	Teak of sizes.	Pingadoo 6′—6″ × 9″ × 4½″	Total.	Wood. Longitudinal.	Iron. Pot sleepers Weighing 80 lbs.	Pot sleepers Weighing 70 lbs.	Pot sleepers Weighing 57 lbs.	Total.	D. and O. Cast Iron sleepers.	Steel Transverse Sleepers.
		No.	No.	No.	No.	No.	No.	Linl. ft.	Pairs.	Pairs.	Pairs.	Pairs.	Pairs.	No.
1	Number of Sleepers in way, including sidings at the commencement of the half-year ...	45	...	135,280	65,620	117,451	318,396	113,873	220,419	936,203	15,622	1,172,244	72,540	721,560
2	Average age of Sleepers in way at the end of the half-year ... Years...	·58	·42	16·85	19·35	4·69	12·99	11·24	28·65	9·41	8·00	13·32	11·35	8·01
3	Number removed ...	...	...	12,173	58	832	13,063	1,843	1,297	798	1	2,096	111	98
4	Number laid ...	...	110	...	1,408	9,589	11,107	191	73	2,478	1	2,552	71	2,278
5	Percentage of removals on total of each class (1) ...	...	...	9·00	·09	·70	4·10	1·62	·59	·08	·006	·18	·15	·01
6	Number of sleepers in way including sidings at the end of the half-year ...	45	110	123,107	66,970	126,208	316,440	112,221	219,195	937,883	15,622	1,172,700	72,500	723,740

Total Number of wooden, Iron, and steel Transverse laid ... 16,008
Do. do. do. removed ... 15,368
Increase ... 640

Increase is due to extension of sidings.

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MAYAVARAM-MUTUPET RAILWAY.

APPENDICES TO ANALYSIS OF WORKING.—(*continued.*)

HALF-YEAR ENDED *30th June 1899.*

APPENDIX V.

Maintenance of Way.

SLEEPERS.

	DETAILS.	Wood. Transverse. Sal wood.	Creosoted ½ round 6′ × 10″ × 5″	Teak of sizes.	Pingadoo 6′—6″ × 9″ × 4½″	Total.	Wood. Longitudinal.	Iron. Pot sleepers Weighing 80 lbs.	Pot sleepers Weighing 70 lbs.	Pot sleepers Weighing 57 lbs.	Total.	D. and O. Cast Iron sleepers.	Steel Transverse Sleepers.
		No.	No.	No.	No.	No.	Lineal feet.	Pairs.	Pairs.	Pairs.	Pairs.	Pairs.	No.
1	Number of Sleepers in way including sidings at the commencement of the half-year ...	...	...	2,914	116,903	119,817	2,917	...	...	...	...	...	971
2	Average age of Sleepers in way at the end of the half-year ... ... Years...	...	...	3·54	4·99	4·96	4·65	...	...	...	...	...	3·77
3	Number removed ...	...	...	...	4,913	4,913	...	...	...	...	...	...	...
4	Number laid ...	...	...	...	4,913	4,913	...	...	...	...	...	...	...
5	Percentage of removals on total of each class (1) ...	...	...	...	4·20	4·10	...	...	...	...	...	...	...
6	Number of sleepers in way, including sidings at the end of the half year ...	...	...	2,914	116,903	119,817	2,917	...	...	...	...	...	971

Total number of wooden, and steel Transverse sleepers removed ... 4,913
Do. do. do. laid ... 4,913

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PONDICHERRY RAILWAY.

APPENDICES TO ANALYSIS OF WORKING—(*Continued.*)

HALF-YEAR ENDED *30th June 1899.*

APPENDIX IV.

Maintenance of Way.

RAILS.

	DETAILS.	IRON.			STEEL.			Total Iron and Steel.
		Double-headed weighing 68 lbs. per yard.	Flat footed weighing 40·3 lbs. per yard.	Flat footed weighing 35·5 lbs. per yard.	Total.	Steel, weighing 41 lbs. per yard.	Steel, weighing 50 lbs. per yard.	Steel, weighing 56 lbs. per yard.	Total.	
1	Miles of rail in way, including sidings	...	15·34	...	15·34	3·88	·68	...	4·56	19·90
2	Rails removed ... Miles...	...	·29	...	·29	...	...	...	...	·29
3	New Rails laid ... Miles...	...	·29	...	·29	...	...	...	...	·29

Total mileage of Iron and steel Rails removed ... ·29
Do. do. laid ... ·29

PONDICHERRY RAILWAY.

APPENDICES TO ANALYSIS OF WORKING—(*continued.*)

HALF-YEAR ENDED *30th June 1899.*

APPENDIX V.

Maintenance of Way.

SLEEPERS.

	DETAILS.	WOOD.						IRON.					STEEL TRANSVERSE SLEEPERS.
		TRANSVERSE.					LONGITUDINAL.						
		Creosoted Half round 6′ × 10″ × 5″	Creosoted ¼ round 6′ × 10″ × 5″	Teak of sizes.	Pingadoo 6′—6″ × 9″ × 4½″	Total.		Pot sleepers Weighing 80 lbs.	Pot sleepers Weighing 70 lbs.	Pot sleepers Weighing 67 lbs.	Total.	D. and O. Cast Iron sleepers.	
		No.	No.	No.	No.	No.	Lineal feet.	Pairs.	Pairs.	Pairs.	Pairs.	Pairs.	No.
1	Number of Sleepers in way, including sidings at the commencement of the half-year ...	10,114	...	1,164	8,672	19.950	682	...	673	135	808	...	...
2	Average age of Sleepers in way at the end of the half-year ... Years...	15·86	...	17·32	4·45	11·63	19·12	...	13·00	11·58	12·79	...	...
3	Number removed ...	460	...	...	...	460	...	...	...	...	...	...	...
4	Number laid ...	...	...	...	460	460	...	...	...	...	...	...	...
5	Percentage of removals on total of each class (1) ...	4·54	...	...	...	2·31	...	...	...	...	...	...	...
6	Number of sleepers in way including sidings at the end of the half-year ...	9,654	...	1,164	9,132	19,950	682	...	673	135	808	...	...

Total Number of wooden, and Iron sleepers removed ... 460
Do. do. do. laid ... 460

PERALAM-KARAIKKAL RAILWAY.

APPENDICES TO ANALYSIS OF WORKING—(*Continued.*)

HALF-YEAR ENDED *30th June 1899.*

APPENDIX IV.

Maintenance of Way.

RAILS.

	DETAILS.	IRON.				STEEL.				TOTAL IRON AND STEEL.
		Double-headed weighing 68 lbs. per yard.	Flat footed weighing 40·3 lbs. per yard.	Flat footed weighing 35·5 lbs. per yard.	Total.	Steel, weighing 41 lbs. per yard.	Steel, weighing 50 lbs. per yard.	Steel, weighing 56 lbs. per yard.	Total.	
1	Miles of rail in way, including sidings	...	...	...	...	...	...	...	33·16	33·16
2	Rails removed ... Miles...	...	...	...	...	...	...	...	...	...
3	New Rails laid ... Miles...	...	...	...	...	...	...	...	...	...

Total mileage of Iron and steel Rails removed ... Nil.
Do. do. laid ... Nil.

PERALAM-KARAIKKAL RAILWAY.

APPENDICES TO ANALYSIS OF WORKING.—(*concluded.*)

HALF-YEAR ENDED *30th June 1899.*

APPENDIX V.

Maintenance of Way.

SLEEPERS.

	DETAILS.	WOOD.						IRON.					STEEL TRANSVERSE SLEEPERS.
		TRANSVERSE.					LONGITUDINAL.						
		Sal wood.	Creosoted ½ round 6′ × 10″ × 5″	Teak of sizes.	Pingadoo 6′ — 6″ × 9″ × 4½″	Total.		Pot sleepers Weighing 80 lbs.	Pot sleepers Weighing 70 lbs.	Pot sleepers Weighing 67 lbs.	Total.	D, and O, Cast Iron sleepers.	
		No.	No.	No.	No.	No.	Lineal feet.	Pairs.	Pairs.	Pairs.	Pairs.	Pairs.	No.
1	Number of Sleepers in way including sidings at the commencement of the half-year ...	...	...	277	29,548	29,825	344	...	...	...	...	...	4,815
2	Average age of Sleepers in way at the end of the half-year ... ...Years...	...	...	1·30	1·30	1·30	1·30	...	...	...	...	...	1·30
3	Number removed ...	...	...	...	...	...	...	...	...	...	...	...	...
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 ...	...	...	277	29,548	29,825	344	...	...	...	...	...	4,815

Total number of wooden, Iron and steel Transverse sleepers removed ... Nil.
Do. do. do. laid ... Nil.

RAILWAY.

Government {1899} of Madras.

PUBLIC WORKS.

Recd.	} 1899.	*Enclosures*
Regd.		*Spare copies*

G.O., No. 1140 Ry., 11th October 1899.

OCTOBER.

Analysis of working, South Indian Railway

Ordered that copies of the — (including the Mayavaram-Mutupet, the Pondicherry and the Peralam-Karaikkal Railways), for the half-year ended the 30th June 1899, be forwarded to the Government of India and to the Secretary of State.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Railway.

Read the following paper :—

From—The Agent, South Indian Railway.
To—The Consulting Engineer for Railways, Madras.
Dated—Trichinopoly, 30th September 1899, No. 976.

I have the honour to forward by railway parcel thirty (30) copies of the analysis of working of the South Indian, Mayavaram-Mutupet, Pondicherry and Peralam-Karaikkal Railways, for the half-year ended 30th June 1899.

Order—No. 1140 Ry., dated 11th October 1899.

Ordered that nine copies of the analysis of working of the South Indian Railway (including the Mayavaram-Mutupet, the Pondicherry and the Peralam-Karaikkal Railways), for the half-year ended the 30th June 1899, be forwarded to the Government of India and to the Secretary of State.

[Here enter No. 1141 Ry., dated 11th October 1899.]

(True Extract.)

Francis J. E. Spring,
Secretary.

To the Agent, South Indian Railway.
" Examiner, Guaranteed Railway Accounts, Madras.
" Consulting Engineer for Railways.

Exd. Shaik Karim.

PUBLIC WORKS DEPARTMENT.

Letter—to

The Right Honourable the SECRETARY of STATE for INDIA.

My Lord,

We have the honour to forward, herewith, a copy of our Proceedings, No. 1140 Ry., dated 11th October 1899, embodying the analysis of working of the South Indian Railway (including the Mayavaram-Mutupet, the Pondicherry and the Peralam-Karaikkal Railways), for the half-year ended the 30th June 1899.

We have the honour to be,

My Lord,

Your Lordship's most obedient, humble servants,

(Signed) A. E. HAVELOCK.
(") A. T. ARUNDEL.
(") H. M. WINTERBOTHAM.

Ootacamund,
11th October 1899.

PUBLIC WORKS DEPARTMENT,
RAILWAY BRANCH.

1140-41 R.

DESPATCH

FOR SIGNATURE

OF

HIS EXCELLENCY THE GOVERNOR

AND

MEMBERS OF GOVERNMENT.

(With Original).

A.E.H 31.10.99

E.H 31/10/99

No. 976

South Indian Railway Co., Ld.,

AGENT'S OFFICE,

Trichinopoly, 30th September 1899.

From Aq:
The Agent,
SOUTH INDIAN RAILWAY,

C. No. 5701
Read. 2/10/99

To
The Consulting Engineer for Railways,
MADRAS.

Sir,

I have the honor to forward by Railway parcel thirty (30) copies of the Analysis of Working of the South Indian, Mayavaram Mutupet, Pondicherry, and Poralam Karaikkal, Railways, for the half year ended 30th June 1899.

I have the honorable,
Sir,
Your most obedient Servant
W. L. Mennies
for Aq: Agent.

30 Encls. by Ry parcel.

Form No. 1.

PUBLIC WORKS DEPARTMENT,

RAILWAY BRANCH.

Papers to be read in Proceedings:—

E Rs current No 5401 § 2-10-99

A R

Copy to Draftsheld issue
minutes del 9/10 also Ind Analyses No

ORDER. No. 1140. Rly dated 11/10/99.

Ordered that the Analyses of working of the South Indian Railway (including the Tinnevelly-Tuticorin-Manamadura, the Pondicherry and the Peralam-Karaikkal Railways) for the half year ended the 30th June 1899, be forwarded to the Govt of India and to the Secy of State.

To The Agent ~~Tuticorin~~ S.I.R.
" Examiner Cs Rs Accts (Madras)
" Consg Engr for Rys

H. E. No. 1141. Rly 11th Oct 1899
Forwarded.

H. E. No. 26/1140. Rly 11th Oct 1899

To

The Rt Hon'ble the Secy of State for India

My Lord,

We have the honour to

D 16/10/99

From
THE AGENT,
South Indian Railway,
Trichinopoly.

To
THE CONSULTING ENGINEER FOR
RAILWAYS,
Madras.

Dated
Received } No.

ENCLOSURE.

to forward herewith a copy of
our Revenue No. 1140 Rs. 9 11 the
Act 1899 embodying the Ana-
lysis of working of the South
Indian Rys (including the Maya-
varam-Tiruturpet, the Pondicherry
and the Peralam Karaikkal Rys)
for the half year ended the
30th June 1899.

Despatched on 9/11/99

GA
DR
4/10/99

38

1471/21/1155