

(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.	22-723	Press
B.P. No.		Mis.
139-141		
Dated	6/3	1873.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
6th March 1873.*

No. 139. Read the following letter from the Consulting Engineer for Railways, to the Secretary to Government, Public Works Department, dated Madras, 7th February 1873, No. 88:—

I HAVE the honour to forward herewith the review of the Revenue Account of the Great Southern of India Railway for the half-year ending 30th June 1872.

2. With reference to paragraph 1 of the letter from the Government of India dated 28th November 1872, No. 1,819 G. R., communicated in the Order of Government, No. 2,985 of 16th December 1872, I have the honour to furnish the following explanations of the increase of working expenses under the several heads, as compared with those for the half-year ending 30th June 1871:—

TABLE E—*Maintenance of Way, Works, and Stations.*

1. *Superintendence.*—A year's furlough pay of the Resident Engineer is included in the expenditure for this half-year.

The whole cost of the superintendence staff became chargeable to the Revenue Account (no construction work being in hand on the open line), whereas in the half-year ending 30th June 1871 only 63 per cent. of the cost was taken to account.

2. *Maintenance and Renewals of Permanent-way.*—The increase is mainly due to 1 mile, 31½ chains of the wooden sleeper road having been renewed with iron sleepers; no such renewal occurred in the first half of 1871.

3. *Repairs of Stations and Buildings.*—Increase partly caused by cost of repairing damage caused by the cyclone of November being included, and partly by the greater age of buildings.

TABLE F—*Locomotive Department Expenses.*

1. *General Superintendence.*—The full cost of superintendence was debited to the Revenue Account, whereas in the first half of 1871 only 58 per cent. was so charged.

3. *Fuel.*—Increase in average price per ton of coal and patent fuel.

6. *Maintenance and Renewals.*—The excess here is due to the increased age of the stock.

TABLE G—*Carriage and Wagon Expenses.*

2. *Repairs and Renewals of Vehicles and Machinery.*—Excess due to increased age of stock.

TABLE J—*General Charges.*

1. *Home Expenditure.*

2. *Indian Management.*

Excess due to the greater percentage chargeable to Revenue, 60 per cent. as compared with 42 per cent. in the first half of 1871.

3. On reference to the note which accompanied the submission of the Revenue Account for the half-year under review, it will be seen that the working expenses for the half-year ending 30th June 1871 were exceptionally small. The

Proceedings of the Madras Government, Public Works Department,
6th March 1873.

expenses for the half-year under review exceed those of the half-year immediately preceding it by Rupees 24,080, and this sum is entirely made up of the increase in general superintendence in the Maintenance and Locomotive Departments, extra cost of permanent-way materials and repairs of stations and buildings.

4. Paragraph No. 2 of the letter of the Government of India under reference was answered in letter from this office, No. 37 of 20th January 1873.

GREAT SOUTHERN OF INDIA RAILWAY.

TABLE A.

General Statement of Working of Half-year ending 30th June 1872.

Traffic.	PASSENGERS OR TONS OF GOODS CARRIED.		EARNINGS.		Percentage of total earnings contributed by each description of traffic.
	Number.	Per cent. of total number and total tonnage.	Amount.	Per cent. of total earnings from Coaching and from Goods.	
Coaching.	1st Class ...	797	18	4,311	2.02
	2nd " ...	4,916	1.15	5,994	2.37
	3rd " ...	423,197	98.67	1,98,112	90.48
	4th " ...	...	...	...	...
	Miscellaneous Earnings ...	...	...	11,255	5.13
	Total ...	428,940	100.0	2,19,622	100.0
Goods ...	Special ...	19,228	36.30	31,409	18.28
	1st Class ...	25,610	48.35	7,319	50.82
	2nd " ...	4,971	9.39	5,327	15.32
	3rd " ...	2,267	4.28	1,483	9.59
	4th " ...	372	0.71	583	2.72
	5th " ...	229	0.43	4,116	2.39
	Government Stores ...	50	0.09	...	0.21
	Railway Materials ...	238	0.45	...	0.30
	Minerals ...	...	...	...	...
	Miscellaneous Earnings ...	...	...	...	0.16
	Total ...	52,965	100.0	1,24,835	100.0
Miscellaneous, including Electric Telegraph and Sundries ...					7,101
	Grand Total...	...	...	3,98,528	...
Less outstandings irrecoverable...					...
	Grand Total...	...	...	3,98,538	100.0

Proceedings of the Madras Government, Public Works Department,
6th March 1873.

General Statement of Working of Half-year ending 30th June 1872.—(Continued.)

	Goods.				Coaching.				Percentage of Profits on paid-up Capital.
	Total.	Per Total Train Mile.	Per Open Mile Per Week.	Per Open Mile Per Week.	Total.	Per Total Train Mile.	Per Open Mile Per Week.	Per Open Mile Per Week.	
Earnings ...	ES.	ES. A. P.	ES.	ES.	ES.	ES. A. P.	ES.	ES.	0.95
	3,98,538	3 4 7	39.3	39.3	1,71,815	1 6 8	50.3	91.2	
	2,54,596	2 1 7	35.4	35.4	1,54,806	1 4 5	22.8	58.3	
Expenses (M.-II., page 14)	1,43,942	1 3 0	3.9	3.9	17,009	0 2 3	27.5	32.9	...
	63,882	...	...	...	90.100	...	...	...	
	...	...	...	...	...	...	...	...	
Profits ...	...	...	...	...	...	...	...	...	...
Percentage of Expenses to Earnings									
45.437									

N. D.—Where "ton mileage" is mentioned, it invariably refers to the total ton mileage (Table M. I., 27, page 13).

* These divisions include mixed train mileage, which is obtained by dividing the total number of passenger vehicle miles run in mixed trains by the average number of vehicles in a passenger train, and the total number of goods vehicle miles in such trains by the average number of vehicles in goods train.

A similar process will enable composite vehicles to be represented in terms of the vehicles of each class by taking into consideration the number of compartments of each class in such composite vehicles. Thus a carriage containing one first and two second-class compartments is reckoned as half of a first-class carriage and half of a second-class carriage. Vehicles of which a portion is given up to Post Office purposes are to be treated in the same way.

Proceedings of the Madras Government, Public Works Department,
6th March 1873.

General Statement of Working of Half-year ending 30th June 1872.—(Concluded.)

Haulage.	Passenger.	Goods.	Mixed	Total.
Number of Trains run for public traffic.			1,301	1,301
Train Mileage (D-I.2-, page 7) ...			121,158	121,158
Gross Ton Mileage (M-I.-221, page 7)			21,485,633	21,485,633

Average Composition of Trains.	AVERAGE NUMBER OF VEHICLES.			AVERAGE NUMBER OF SEATS PER VEHICLE.		AVERAGE WEIGHT OF TRAINS.	
	Passenger Trains.	Goods Trains.	Mixed Trains.	Provided.	Used.	Freight or live load.	Dead load, exclusive of Engine, Tender, and Brakes.
1st Class ...	...	...	0.443	23.3	...	...	...
2nd „ ...	...	...	0.575	37.3	0.882	...	...
3rd „ ...	...	...	4.642	49.75	2.990	...	...
4th „ ...	...	...	...	...	23.947	7.334	37.791
Others (including Brakes.)	...	...	1.175	...	...	...	...
Goods (Vehicles of all kinds, including Brakes) ...	...	...	8.501	...	...	...	...
Total...	...	...	15.336	...	...	23.614	48.207

N. B.—For average load per vehicle, see page 30.948

OPEN MILEAGE ON 30th JUNE 1872.			Mean Mileage worked.	Average number of Stations maintained.	Capital expended on open Mileage, inclusive of Rolling Stock.	Cost per Mile open.	TOTAL LENGTH OF FOLLOWING GRADIENTS			STEEPEST GRADIENTS WORKED BY			
Single.	Double.	Total.					1 to 100 and less.	101 to 200	201 to 300	Fixed power.	Locomotives.		
168	...	168	168	21	1,385,102	8,245	3 46	9 11	11 100	Length.	Inclination.	Length.	Inclination.
										M. CHS. 1 0 1 in 100			

Proceedings of the Madras Government, Public Works Department,
6th March 1873.

TABLE B.

Statement showing in comparison the Coaching Traffic of the Half-years ending 30th June 1871 and 30th June 1872.

REFERENCE TO REVENUE ACCOUNT.		Details.	NUMBER.		FARE PER MILE.		RECEIPTS.		AVERAGE MILEAGE.	
Table and Main head.	Sub- head.		1st half of 1871.	1st half of 1872.	1st half of 1871.	1st half of 1872.	1st half of 1871.	1st half of 1872.	1st half of 1871.	1st half of 1872.
X. (H) 1	...	FIRST CLASS PASSENGERS—								
		Single journey	649	755	PIES.	PIES.	RS.	RS.		
		Excess fares	25	...	18	18	3,443	4,128	...	59
		Return journey	...	42			87	165	...	...
		Troops and Police	1	...			...	138	...	70
		Total...	650	797	...	...	3,536	4,431	58	59.5
		Season tickets	1	...	...	...	100	...	...	...
	1	...	SECOND CLASS—							
		Single journey	4,260	3,818			5,335	4,421	...	45
		Excess fares	229	...	5	5	112	136	...	...
		Return journey	...	1,070			...	472	...	32
		Troops and Police	37	57			75	125	...	...
		Total ...	4,297	4,945	...	...	5,622	5,154	40	42.1
		Season tickets	...	1	...	...	...	50	...	...
1	...	THIRD CLASS—								
	Single journey	352,516	365,018			1,78,395	1,84,384	...	32	
	Excess fares	460	...	3	3	208	269	...	...	
	Return journey	40,894	56,116			8,659	11,743	...	29	
	Troops and Police	1,509	2,068			1,458	2,316	...	...	
	Total ...	394,719	423,197	...	...	1,88,715	1,98,712	30	31.8	
	Season tickets	...	...	...	...	...	...	...	...	
1	...	FOURTH CLASS—								
	Single journey	...	...	...	...	...	...	...	...	
	Excess fares	...	...	...	...	...	...	...	...	
	Return journey	...	...	...	...	...	...	...	...	
	Troops and Police	...	...	...	...	...	...	...	...	
	Total ...	...	...	...	...	...	...	...	...	
	Season tickets	...	...	...	...	...	...	...	...	
2	...	PASSENGERS' LUGGAGE	TON. MILES.	TON. MILES.	2 Pies per Maund per Mile.		1,821	1,932	97	74
2	...	MILITARY BAGGAGE	...	90	...		...	29	...	86
4	{ 1 2 3	PUBLIC ... (Carriage Horse Dog)	No.	No.	Vide list attached.		791	530	73	72
			109	60			1,994	1,086	106	83
			309	171			228	216	71	63
5	{ 1 2 3	CORPS ... (Baggage Horse Dog)	...	2	...		...	41	...	41
			...	...			...	...	...	...
			...	4			...	31	...	84
6	...	PARCELS	TON MILES.	TON MILES.	...		5,525	6,142	...	61
7	...	SPECIAL TRAINS	No.	No.	...		4,014	1,214	...	...
8	1 2	POST OFFICE—	...	...	...		...	...	...	...
		Haulage and Hire of Post Office Vehicles.	...	...	...		...	...	...	...
		Special Trains	...	98	4 Pies per Maund per Mile.		80	54	...	64
3	...	Total ...	...	...	...		15,353	11,275	...	...
	...	Grand Total...	...	...	...		2,13,226	2,19,226	...	...

Proceedings of the Madras Government, Public Works Department,
6th March 1873.

TABLE C

Statement showing in comparison the Goods Traffic of the Half-year ending 30th June 1871 and 30th June 1872.

REFERENCE TO REVENUE ACCOUNT.		QUANTITY.				RATE PER TON MILE.		RECEIPTS.		AVERAGE MILEAGE.	
Table and Main head.	Sub-head.	1st half of 1871.		1st half of 1872.		1st half of 1871.	1st half of 1872.	1st half of 1871.	1st half of 1872.	1st half of 1871.	1st half of 1872.
		Up.	Down.	Up.	Down.						
(I) 1	GENERAL MERCHANDISE— Special Class ... 1st " ... 2nd " ... 3rd " ... 4th " ... 5th " ... Total...	TON MILES.	TON MILES.	TON MILES.	TON MILES.	PIES.	PIES.	RS.	RS.		
		88,998	575,952	93,353	714,546	7-59	7-46	26,310	31,409	40	42
		394,471	777,294	677,417	742,829	10-79	11-80	65,907	87,319	54	55
		136,385	219,465	128,858	239,981	13-71	13-78	25,366	26,327	77	74
		29,435	114,403	37,291	140,923	18-80	17-76	13,711	16,483	77	71
		22,400	45,680	16,539	21,359	24-93	23-72	8,842	4,683	83	101
		9,878	20,637	9,794	12,978	32-13	37-48	5,123	4,446	94	99
		681,567	1,753,481	963,232	1,872,616	...	...	1,45,259	1,70,667	...	53-8
		...	...	1,966	1,444	...	19-93	...	354	...	68
		...	...	...	...	...	...	...	...	...	...
2 3 6 4 5	MILITARY STORES... RAILWAY MATERIALS FOR CONSTRUCTION ... MINERALS— For the public ... Do. Company (construction only). Total... Grand Total... LIVE STOCK— Horses ... Cattle ... Sheep ... MILITARY STOCK— Horses ... Cattle ... Sheep ... Rents and Demurrage, Wharfage, Storage, etc. Total...	TON MILES.	TON MILES.	TON MILES.	TON MILES.	PIES.	PIES.	RS.	RS.		
		...	...	1,966	1,444	...	19-93	...	354	...	68
		...	...	...	...	...	...	...	...	...	...
		...	...	...	...	...	...	...	...	...	...
		...	...	...	...	...	...	...	...	...	...
		...	...	...	...	...	...	...	...	...	...
		...	...	...	...	...	...	...	...	...	...
		...	...	...	...	...	...	...	...	...	...
		...	...	...	...	...	...	...	...	...	...
		...	...	...	...	...	...	...	...	...	...
4 5	LIVE STOCK— Horses ... Cattle ... Sheep ... MILITARY STOCK— Horses ... Cattle ... Sheep ... Rents and Demurrage, Wharfage, Storage, etc. Total...	MILES.	MILES.	MILES.	MILES.	Rate per Animal per mile.	Rate per Animal per mile.				
		688	...	...	...	5-31	3-15	189	84	...	69
		1,525	4,065	360	4,717	...	3-08	...	15	...	67
		106	450	706	242	...	...	...	...	...	...
		...	...	...	...	...	...	...	...	...	...
		...	...	...	...	...	...	...	...	...	...
		...	...	...	...	...	...	...	...	...	...
		...	...	...	...	...	...	...	...	...	...
		...	...	...	...	...	...	...	...	...	...
		...	...	...	...	...	...	...	...	...	...

TABLE C-I.

Comparative Statement showing the Weight and Earnings of the principal Commodities carried during the above half-year.

Description.	QUANTITY.		RECEIPTS.		Increase or Decrease in Quantity.	Increase or Decrease in Receipts.
	1st half, 1871.	1st half, 1872.	1st half, 1871.	1st half, 1872.		
Areca Nuts	TONS.	TONS.	RS.	RS.		
Cloth	1,060	1,679	4,977	5,360	...	...
Curry Stuffs	1,262	1,051	6,110	5,098	...	...
Fruits and vegetables	466	1,523	5,117	7,090	...	...
Grain of all kinds	561	2,308	5,630	11,808	...	...
Granite Stones	14,923	13,039	36,577	34,069	...	...
Hides	13,331	15,909	19,632	17,359	...	...
Oil and Ghee	305	419	6,855	7,896	...	...
Oil Cakes	335	1,360	5,812	7,147	...	...
Salt	2,849	1,541	6,801	6,648	...	...
Seeds of all kinds	6,151	7,177	18,402	32,880	...	...
Sundries	1,181	1,394	11,568	12,870	...	...
Tobacco	3,463	5,176	14,867	20,026	...	...
Total...	133	152	8,411	8,270	...	...
Total...	46,025	52,727	1,45,259	1,71,021	10,105	8,403

Proceedings of the Madras Government, Public Works Department,
6th March 1873.

TABLE D.

Statement of Mileage maintained from Revenue Funds.

REFERENCE TO REVENUE ACCOUNT.		Details.	1st HALF OF 1871.			1st HALF OF 1872.			
Table and Main head.	Sub-head.		Depart-mentally	By Contract	Total.	Depart-mentally	By Contract	Total.	Total Increase. Decrease
IX. (A)		1. Mean miles of line main- tained.	168	...	168	168	...	168	...
		2. Single Double ...	...	...	...	...	...	...	...
		3. Total ...	168	...	168	168	...	168	...
		4. Sidings maintained, Total...	13 1/4	...	13 1/4	13 1/4	...	13 1/4	...
		5. Single Track Total including Sidings.	181 1/4	...	181 1/4	181 1/4	...	181 1/4	...

TABLE D-I

Statement of Train Mileage.

Details.		TRAIN MILES RUN FOR			HOURS OF		
Reference to Revenue Account.		*Traffic De- partment.	Locomotive Department.	Maintenance Department.	Assisting Engines.	Shunting, Piloting, etc.	Miscellaneous Services.
		XIV. 1.	XIV. 2.	XIV. 3.	XIV. 4.	XIV. 5.	XIV. 6.
1 1st half of 1871.	Passenger ...	121,801	...	3,698	...	4,991 54	1,199 38
	Goods ...	...	...	...	...	...	...
	Mixed ...	...	...	...	...	...	...
2 1st half of 1872.	Passenger ...	121,158	47	4,104	1 35	5,156 45	1,216 5
	Goods ...	...	...	...	...	...	...
	Mixed ...	...	...	...	...	...	...
3 Increase in 1872.	Passenger ...	...	47	406	1 35	164 51	16 27
	Goods ...	...	...	...	...	...	...
	Mixed ...	...	...	...	...	...	...
4 Decrease in 1872.	Passenger ...	643	...	...	...	...	...
	Goods ...	...	...	...	...	...	...
	Mixed ...	...	...	...	...	...	...

*The division between passenger, goods and mixed trains need only be carried out, unless desired for local purposes, in the train mileage run for the Traffic Department, which is the train mileage to be used for the purposes of calculation.

TABLE E.

Maintenance of Way, Works, and Stations.

REFERENCE TO REVENUE ACCOUNT.		1st HALF OF 1871.	1st HALF OF 1872.	
Table and Main head.	Sub-head.	Total.	Total.	Increase. Decrease.
XIV.	Train Mileage run for Traffic Department—Xiv. 1	121,801	121,158	...
	Ton Mileage So. do. M-I.	21,630,685	21,485,638	643

*Proceedings of the Madras Government, Public Works Department,
6th March 1873.*

Maintenance of Way, Works, and Stations.—(Concluded)

Table and Sub-Main-head, head.		Details.	1st HALF OF 1871.	1st HALF OF 1872.			Per Mile of line maintained, D-3.	Per Mile of track including end-ings, D-5.	Per Train Mile.	Per 1,000 Ten Miles.	
			Total.	Total.	Increase.	Decrease					
If done Departmentally.	IX. (A) I.	1 & 2	SUPERINTENDENCE—								
		3 & 5	Engineers' salaries and allowances ...	RS. 3,201	RS. 10,372	RS. 7,081	RS. ...	RS. 61,738	RS. 57,225	AS. 1,370	RS. 0.48
	2	6	Inspectors' and Platelayers' salaries and allowances, including overtime ...	4,953	3,590	...	1,363	21,369	19,807	0.474	0.167
			Office expenses ...	2,109	2,490	381	...	14,322	13,738	0.329	0.116
	3	1	MAINTENANCE AND RENEWALS OF PERMANENT-WAY—								
		2	Wages	20,061	20,375	314	...	121,280	112,414	2.691	0.948
	4	1	Materials ...	9,175	23,633	14,458	...	140,673	130,389	3.121	1.100
		2	Repairs of BRIDGES, ETC.—								
	5	1	WAGES AND MATERIALS—								
		2	Bridges and Tunnels ...	15	267	252	...	1,589	1,473	0.035	0.012
	6	1	Miscellaneous ...	659	976	317	...	5,810	5,385	0.129	0.045
		2	Repairs of STATIONS AND BUILDINGS—WAGES AND MATERIALS—								
	7	1	Repairs of all except staff quarters ...	2,634	7,181	4,547	...	42,744	39,619	0.948	0.334
		2	Repairs of staff quarters...	263	266	4	...	1,583	1,468	0.035	0.012
	8	1	MAINTENANCE BY CONTRACT ...	...	...	...	...	...	...	...	...
		2	UNCLASSIFIED EXPENDITURE—								
	9	1	Plantations ...	2,017	...	...	2,017	...	...	...	...
		2	Tools and Plant ...	126	338	212	...	2,012	1,865	0.044	0.016
10	1	Loss on Stores, etc. ...	142	9	...	133	0.053	0.049	0.001	0.001	
	2	Total...	45,444	69,497	27,566	8,513	413,673	388,432	9.177	3.234	

TABLE E-I.
Maintenance of Way.
RAILS.

RAILS.						
No.	Details.	Double-headed. lbs. 68.	Brigs.	Flat-footed.	Others.	Total.
1	Miles of rail in way, including sidings (miles and decimals of a mile) ...					
2	Average age of rails in way at the middle of the half-year (years and decimals of a year) ...	M. 362.5				M. 362.5
3	Rails inverted... {Number ...	ys. 7.5				ys. 7.5
4	Number inverted {Miles (and decimals of a mile) ...	1,145				1,145
5	Rails renewed... {Number ...	M. 2.28				M. 2.28
6	Number renewed {Miles (and decimals of a mile) ...	3.16				3.16
7	Average number of tons hauled over each kind of rail in the half-year ...	87				87
8	Thousands of tons hauled on an average over each kind of rail during the average age of rails in way (2) ...	M. 0.173				M. 0.173
		0.24				0.24
		127,890				127,890
		*2,153,000				*2,153,000

* Approximately.

N.E.—One of the objects of this table is to endeavour to ascertain the relation between the lives of different kinds of rails and the duty done by them. Other tables show the speed of trains and the greatest weight brought on any point of the rails. By an accurate record of these facts, it is hoped that useful deductions may be made. The average age of the rails in the way (2) must be, in the first instance, calculated by noting the dates on which the different lengths of line were opened and the subsequent renewals of each kind of rail in each half-year, supposing the latter to have taken place in the middle of each half-year. After this has once been ascertained, the entries for future periods can be easily calculated. The entries for the different kinds of rails under (7) will agree or vary according as the train service over the line is uniform or not. Where the record of ton mileage is kept in districts, the absolute facts are available. Where this is not done, but the traffic is nevertheless variable, the weight hauled over any part of the line can be approximately found by noting the number of trains that have been run on it, and multiplying this by the average gross weight of a train including the engine and tender. The average of these district results will give the general figures for each kind of rail. The entries under (8) will be the sums of the weights recorded for the immediately preceding half-years.

*Proceedings of the Madras Government, Public Works Department,
6th March 1873.*

TABLE E-II.
Maintenance of Way.
SLEEPERS.

No.	Details.	Wooden Sleep- ers of all descriptions.	Total.	Iron Pot Sleep- ers, pairs.
1	Number of sleepers in way including sidings - ...	No. 142,120	No. 142,120	
2	* Average age of sleepers in way at the middle of half-year, (years and decimals of a year) ...	Ys. 10.5	Ys. 10.5	174,020
3	Number renewed ...	No. 26,053	No. 26,053	Ys. 4.75
4	Do. do. per cent. of (1) ...	18 3317	8 3317	No. 18.5 0.0106

* Since received by Store Department.

TABLE F.
Locomotive Department Expenses.

REFERENCE TO REVENUE ACCOUNT.			1ST HALF OF 1871.	1ST HALF OF 1872.				
Table and Main head.	Sub-head.		Total.	Total.	Increase.	Decrease.		
XIV.	...	Train Mileage (D-1, page 7) ...	121,801	121,158	...	643		
		Ton Mileage (M-I- 22, page 16) ...	21,630,685	21,485,633	...	145,052		
		Details.	1ST HALF OF 1871.	1ST HALF OF 1872.			Per Train Mile.	Per 1,000 Ton Miles.
			Total.	Total.	Increase.	Decrease.		
IX. (B) 1	1 & 2	GENERAL SUPERINTENDENCE—	RS.	RS.	RS.	RS.	AS.	RS.
		Salaries of Locomotive Superintendents and Assistants, including allowances ...	2,565	4,309	1,744	...	0-570	0-200
		Salaries of Foremen, including allowances and overtime ...	8,155	10,291	2,136	...	1-359	0-479
	6	Office expenses ...	2,725	4,080	1,355	...	0-539	0-190
	2	RUNNING EXPENSES—						
		1 & 2 Wages of Drivers and Firemen, including overtime ...	16,148	14,815	...	1,333	1-957	0-690
		3 Fueling, cleaning, and looking after engines ...	1,720	1,105	...	615	0-146	0-051
	4	Contingent expenses ...	...	990	990	...	0-131	0-046
	3	FUEL—						
		1 Coal ...	18,047	19,370	1,323	...	2-558	0-902
2 Coke ...		11,532	15,261	3,729	...	...	...	
3 Patent Fuel ...		2,864	1,220	...	1,644	0-161	0-710	
4	Wood ...	...	...	...	...	...	...	
4	1, 2, & 3 WATER ...	1,039	1,137	98	...	0-150	0-057	
5	... OIL, TALLOW, ETC. ...	1,594	1,988	394	...	0-262	0-092	

Proceedings of the Madras Government, Public Works Department,
6th March 1873.

Locomotive Department Expenses.—(Concluded.)

REFERENCE TO REVENUE ACCOUNT.		Details.	1ST HALF OF 1871.	1ST HALF OF 1872.			Per Train Mile.	Per 1,000 Ton Miles.
Table and Main head.	Sub-head.		Total.	Total.	Increase.	Decrease.		
6 7 8	1 & 2	MAINTENANCE AND RENEWALS—	RS.	RS.	RS.	RS.	AS.	RS.
	3	Wages, including overtime ...	3,308	5,599	2,291	...	0.739	0.261
	...	Materials ...	6,333	13,512	7,179	...	1.784	0.629
	...	SERVICES OF OTHER LINES ...	...	...	...	...	...	...
XI. (B) 3	...	UNCLASSIFIED EXPENDITURE ...	...	...	...	...	...	...
	...	Total...	76,030	93,677	21,239	3,592	12.371	4.360
	1	Coal consumed ...	TONS. 970	TONS. 893	TONS. ...	TONS. 77	LBS. 16,510	LBS. 93,101
	2	Coke do. ...	...	...	...	...	...	...
3	3	Patent fuel consumed...	534	704	170	...	13,016	73,396
	4	Wood do. ...	585	239	...	346	4,418	24,917

TABLE F-I.
Locomotive Power.

REFERENCE TO REVENUE ACCOUNT.		Description.	Passenger.	Goods.	Goods.	Tank.	Total.
Table and Main head.	Sub-head.						
XII.	...	Locomotives ...	4 coupled. 9 tons.	6 coupled. 10 tons.	4 coupled. 9½ tons.	4 coupled. 8 tons.	...
	...	Wheels coupled... ..	23½ tons.	29½ tons.	28 tons.	15 tons.	...
	...	Weight on driving axle ...	...	...	...	...	...
	...	Total weight in steam, exclusive of tender ...	...	...	...	...	...
1.	...	Number of locomotives erected and made over to Locomotive Department ...	9	6	4	2	21
	2.	Average number of locomotives constantly under repairs ...	2	1	...	...	3
	3.	Average number of locomotives at work (1—2) ...	7	5	4	2	18
	4.	Train miles hauled by each class of locomotives at work (3) ...	49,690	37,058	34,268	142	121,158
5.	...	Average train miles hauled by each locomotive at work (3)—	...	...	...	...	...
	...	Per half-year ...	7,078	7,411	8,567	71	23,127
	...	Per day ...	82	86	86	...	127
	6.	Average speed of Passenger ...	25 miles per hour.	Through mixed trains.	...	...	...
7.	...	between speed of Goods ...	...	3 miles per hour.	Local mixed trains.	...	...
	...	stations of trains. Mixed ...	...	...	...	...	...
	...	Passenger ...	20 miles per hour.	Through mixed trains.	...	...	...
	...	Goods ...	...	15 miles per hour.	Local mixed trains.	...	...
8.	...	Weight of coal, etc., used per train mile.	LBS. 21.8	LBS. 30.2	LBS. 21.9	LBS. 10.1	LBS. 29.52
	9.	Weight of wood used per train mile.	...	...	...	...	...
	10.	Average gross weight of the trains hauled by each class of locomotive ...	TONS. 2.7	TONS. 3.0	TONS. 2.5	TONS. 7.4	TONS. 4.42
	...	...	81.76	140.16	94.89	...	...

N. P.—3, 9, and 10 are not absolutely prescribed, as there may be at first some difficulty in furnishing the information for all lines, but the facts should be given if possible.

Proceedings of the Madras Government, Public Works Department,
6th March 1873.

TABLE G.
Carriage and Wagon Expenses.

REFERENCE TO REVENUE ACCOUNT.		Details.	1ST HALF OF 1871.	1ST HALF OF 1872.			Cost per Train Mile.	Cost per 1,000 Vehicle Miles.
Table and Main head.	Sub-head.		Total.	Total.	Increase.	Decrease.		
XIV.	...	Train Mileage run for traffic Department (D-I. XIV. I) ...	121,801	121,158	...	643	...	...
	...	Vehicle Mileage run for Traffic Dept. Coaching (M-I. 8.) ...	772,026	767,838	...	4,188	...	...
	...	Goods (M-I. 14.) ...	1,079,466	1,029,508	...	49,958	...	...
	...	Total...	1,851,492	1,797,346	...	54,146	...	...
IX (C) 1	1 & 2	GENERAL SUPERINTENDENCE—	RS.	RS.	RS.	RS.	AS.	RS.
	3 to 5	Salaries of Superintendents and allowances ...	348	760	414	...	0.100	0.423
	...	Salaries of Foremen and allowances, including overtime ...	835	1,666	831	...	0.220	0.927
	6	Office expenses ...	357	674	317	...	0.089	0.375
2	...	REPAIRS AND RENEWALS OF VEHICLES AND MACHINERY—	...	...	...	...	...	...
	1 to 3	Wages, including overtime ...	764	1,214	450	...	0.160	(a) 1.581
	...	Materials ...	1,543	3,207	1,659	...	0.424	Cost per 1,000 coaching Vehicle Miles. 4.176
	...	Wages, including overtime ...	1,313	2,155	842	...	0.285	(b) 2.093
3	1 to 3	Goods Vehicles. Materials ...	4,634	5,076	392	...	0.670	Cost per 1,000 goods Vehicle Miles. 4.930
	...	CLEANING AND OILING—	...	...	...	...	...	...
	2	Labour, including wages of oilers, etc. ...	744	1,373	629	...	0.181	0.764
	...	Stores... ..	1,205	1,214	9	...	0.160	0.675
4	...	UNCLASSIFIED EXPENDITURE ...	1,319	...	...	1,319	...	...
	...	Total ...	13,115	17,339	5,543	1,319	2.289	9.647

The vehicle mileage is defined (Table M-I.) as that of all vehicles running on the line. The cost of repairs and renewals will, however, depend on the mileage of home vehicles whether running on the parent line or on foreign lines. If this foreign mileage of home vehicles is greater in excess of the home mileage of foreign vehicles (a) and (b) should be shown in terms of 1,000 vehicle miles of home vehicle run on both the parent and foreign lines, and this vehicle mileage should be stated.

TABLE II.
Traffic Expenses.

REFERENCE TO REVENUE ACCOUNT.		Details.	1ST HALF OF 1871.	1ST HALF OF 1872.		
Table and Main head.	Sub-head.		Total.	Total.	Increase.	Decrease.
XIV.	...	Train Mileage (run for Traffic Department D-I.) ...	121,801	121,158	...	643
	...	Vehicle Mileage run for Traffic Dept. Coaching (M-I.) ...	772,026	767,838	...	4,188
	...	Goods (M-I. 14) ...	1,079,466	1,029,508	...	49,958
	...	D. I. Total...	1,851,492	1,797,346	...	54,146

Proceedings of the Madras Government, Public Works Department,
6th March 1873.

Traffic Expenses.—(Concluded.)

REFERENCE TO REVENUE ACCOUNT.		Details.	1ST HALF OF 1871.	1ST HALF OF 1872.				
Table and Main head.	Sub-head.		Total.	Total.	Increase.	Decrease.	Cost per Train Mile.	Cost per 1,000 Vehicle Miles.
IX. (D) 1	(1 & 3) a	SALARIES, WAGES, ETC.—	RS.	RS.	RS.	RS.	AS.	RS.
	(2 & 4) a	General Superintendence, including travelling allowances.	3,415	3,585	170	...	...	...
	b	Office Establishment and contingencies	...	...	...	...	...	...
	c	Station Staff	566	591	25	...	0.473	1.995
	2	Train Staff	14,403	14,052	...	...	...	...
	3	FUEL, LIGHTING, WATER, AND GENERAL STORES	2,768	2,822	54	353	0.078	0.329
	4	CLOTHING	1,153	1,329	176	...	1.856	7.818
	5	PRINTING, STATIONERY, AND TICKETS	47	187	140	...	0.373	1.570
	6	CATTLE USED FOR TRAFFIC PURPOSES, AND DELIVERY AND COLLECTION OF GOODS	1,602	2,135	533	...	0.176	0.739
	7	MISCELLANEOUS EXPENSES	...	...	...	...	0.025	0.104
	8	PAYMENTS TO OTHER LINES—	248	232	...	...	0.262	1.158
	1	Hire of Vehicles	...	...	...	16	0.030	0.129
	2	Mileage of foreign stock	825	2,534	1,709	...	...	...
	3	Expenses at joint stations	6,018	6,208	190	...	0.834	1.410
	...	UNCLASSIFIED EXPENDITURE	...	...	...	...	0.820	3.454
Total			31,017	33,675	2,997	369	4.417	18.736

TABLE J.
General Charges.

REFERENCE TO REVENUE ACCOUNT.		Details.	1ST HALF OF 1871.	1ST HALF OF 1872.			
Table and Main head.	Sub-head.		Total.	Total.	Increase.	Decrease.	Cost per Train Mile.
IX. (E) 1	...	HOME EXPENDITURE	RS. 7,970	RS. 10,601	RS. 2,631	RS. ...	AS. 1.400
	1	INDIAN MANAGEMENT—	...	...	...	...	...
	2	Agent's Office, including travelling and other allowances	10,570	13,940	3,370	...	1.841
	3	Auditor's Office, do.	...	...	...	...	...
	4	Account's Office, do.	...	...	...	...	...
	5	Paymaster's Office, do.	...	...	...	...	...
	6	Store Department, do.	1,703	4,022	2,319	...	0.531
	7	Medical Department, do.	...	1,328	1,328	...	0.175
	8-10	Rents	...	...	...	...	...
	...	Contingencies, Stationery, and Medicine.	632	1,167	535	...	0.154
	...	POLICE (total charges)	...	...	...	...	...
	...	ADVERTISING	37	93	56	...	0.012
	...	ELECTRIC TELEGRAPH—	...	...	...	...	...
	1 to 4	Salaries, etc.	3,457	2,927	...	530	0.387
	5	Maintenance, labour, and stores	217	13	...	204	0.002
	...	CLEARING ACCOUNTS WITH OTHER LINES	...	...	...	...	...
	...	UNCLASSIFIED EXPENDITURE	...	...	...	...	...
	...	Loss on stores	...	...	...	...	...
Total			24,586	34,091	10,239	734	4.502

Proceedings of the Madras Government, Public Works Department,
6th March 1873.

TABLE K.
Steam Boat Service.

REFERENCE TO REVENUE ACCOUNT.		Details.	1ST HALF OF 1871.	1ST HALF OF 1872.		
Table and Main head.	Sub-head.		Total.	Total.	Increase.	Decrease.
IX. (F) 1	...	Working vessels	...	...	...	...
	2	Repairs	...	...	...	...
	3	Fuel	...	...	...	...
	4	Miscellaneous stores	...	...	...	...
	5	Steam Traffic Agencies	...	...	...	...
	6	Unclassified expenditure	...	...	...	...
Total			...	...	...	...

TABLE L.
Special and Miscellaneous Expenditure.

REFERENCE TO REVENUE ACCOUNT.		Details.	1ST HALF OF 1871.	1ST HALF OF 1872.		
Table and Main head.	Sub-head.		Total.	Total.	Increase.	Decrease.
IX. (G) 1	...	LAW CHARGES	RS. 112	RS. 3	...	RS. 109
	2	COMPENSATION—	...	...	...	...
	1	For Goods lost or damaged	97	777	680	...
	2	Personal injury	...	...	...	...
	3	For other claims	...	...	...	...
	...	RATES AND TAXES	3,506	537	...	2,969
	...	CONTRIBUTIONS TO SPECIAL FUNDS—	...	...	...	...
	1	Fire Insurance Fund	5,000	5,000	...	...
	2	P. W. Renewal Fund	...	...	...	...
	3	Casualty Fund	...	...	...	...
Total			8,715	6,317	680	3,078

ANALYSIS OF CARRYING COST.

TABLE M.I.

Details.	Total Mileage of each description of Rolling Stock.	Total Mileage of Units of Traffic.	AVERAGE CONTENTS IN UNITS OF EACH VEHICLE.		Average weight of Rolling Stock in Tons.	Total average weight including contents of each Vehicle in Tons.	Tons of Vehicle and freight per Ton of freight.	TON MILEAGE		TOTAL TON MILEAGE
			No.	Weight in Tons.				Of freight.	Of dead weight.	
1st Class	53,733	47,430	0.882	0.077	7.289	7.366	95.368	4,150	391,656	395,806
2nd "	69,628	208,240	2.990	0.361	7.937	8.198	31.827	18,321	552,680	570,901
3rd "	562,858	13,461,106	23.947	1.496	5.541	7.040	4.705	841,319	3,117,984	3,959,303
4th "	...	...	...	...	...	...	...	...	...	...
Carriage Trucks	...	...	...	...	...	...	...	...	...	...
Carriage Boxes	...	...	...	...	...	...	...	...	...	...
Horse Boxes	...	...	...	...	...	...	...	...	...	...
Luggage (including Parcels, and Dogs') Vans.	...	...	...	...	...	...	...	...	...	...
Post Office Vehicles	...	...	...	...	...	...	...	...	...	...
Total...	767,838	...	...	...	...	...	...	888,497	4,579,677	5,467,174
Passengers' Engines and Tenders. Do. Brake Vans†	...	...	...	...	42.049	...	...	...	2,463,615	...
Total Coaching Ton Mileage...	...	...	...	...	6.103	...	...	888,497	7,185,321	8,073,818
12 Goods Vehicles, ...	...	...	...	...	...	...	...	...	...	...
12-A. Cattle Vans	...	2,859,713	2.780	2.780	5.673	8.452	3.040	2,859,713	5,885,673	8,005,386
13 Mineral trucks†	...	1,203	1.586	1.586	6.109	7.695	4.850	1,293	4,979	6,272
Total...	1,029,508	...	...	...	...	...	...	2,861,006	5,840,652	8,701,658
Goods Engines and Tenders. Do. Brakes	...	...	...	...	42.049	...	...	...	3,021,332	...
Total Goods Ton Mileage...	37,294	...	...	...	6.103	...	...	...	227,305	...
Total...	...	...	...	...	...	...	...	2,861,006	9,989,439	12,850,445

Definitions. The unit of Passenger Traffic is—1 passenger plus free luggage. The approximate weight of units adopted in these calculations: First-class passenger with free luggage 1.75 = 0.0875; Second " " " " 1.75 = 0.0875; Third " " " " 1.25 = 0.0625; Fourth " " " " 1.25 = 0.0625; A carriage (average for two and four-wheeled) ... 0.675 = 0.3375; A head of horned cattle ... 5.00 = 0.2500; A head of sheep, goats, etc. ... 0.50 = 0.0250.

COACHING—TONS. COACHING—(Conc'd) A horse ... 8.75 = 0.4375; A dog ... 0.20 = 0.0100; Goods—A head of horned cattle ... 5.00 = 0.2500; A head of sheep, goats, etc. ... 0.50 = 0.0250.

DATA FOR CALCULATING THE INCIDENCE OF CARRYING COST PER UNIT PER MILE FOR EACH CLASS OF PASSENGER TRAFFIC AND FOR GOODS AND MINERALS.

Proceedings of the Madras Government, Public Works Department, 6th March 1873.

Details.	Total Mileage of each description of Rolling Stock.	Total Mileage of Units of Traffic.	AVERAGE CONTENTS IN UNITS OF EACH VEHICLE.		Average weight of Rolling Stock in Tons.	Total average weight including contents of each Vehicle in Tons.	Tons of Vehicle and freight per Ton of freight.	TON MILEAGE		TOTAL TON MILEAGE
			No.	Weight in Tons.				Of freight.	Of dead weight.	
1st Class	53,733	47,430	0.882	0.077	7.289	7.366	95.368	4,150	391,656	395,806
2nd "	69,628	208,240	2.990	0.361	7.937	8.198	31.827	18,321	552,680	570,901
3rd "	562,858	13,461,106	23.947	1.496	5.541	7.040	4.705	841,319	3,117,984	3,959,303
4th "	...	...	...	...	...	...	...	...	...	...
Carriage Trucks	...	...	...	...	...	...	...	...	...	...
Carriage Boxes	...	...	...	...	...	...	...	...	...	...
Horse Boxes	...	...	...	...	...	...	...	...	...	...
Luggage (including Parcels, and Dogs') Vans.	...	...	...	...	...	...	...	...	...	...
Post Office Vehicles	...	...	...	...	...	...	...	...	...	...
Total...	767,838	...	...	...	...	...	...	888,497	4,579,677	5,467,174
Passengers' Engines and Tenders. Do. Brake Vans†	...	...	...	...	42.049	...	...	...	2,463,615	...
Total Coaching Ton Mileage...	...	...	...	...	6.103	...	...	888,497	7,185,321	8,073,818
12 Goods Vehicles, ...	...	...	...	...	...	...	...	...	...	...
12-A. Cattle Vans	...	2,859,713	2.780	2.780	5.673	8.452	3.040	2,859,713	5,885,673	8,005,386
13 Mineral trucks†	...	1,203	1.586	1.586	6.109	7.695	4.850	1,293	4,979	6,272
Total...	1,029,508	...	...	...	...	...	...	2,861,006	5,840,652	8,701,658
Goods Engines and Tenders. Do. Brakes	...	...	...	...	42.049	...	...	...	3,021,332	...
Total Goods Ton Mileage...	37,294	...	...	...	6.103	...	...	...	227,305	...
Total...	...	...	...	...	...	...	...	2,861,006	9,989,439	12,850,445

MAIL CARRYING VEHICLES, whether specially constructed sorting carriages or not, are reckoned as Post Office Vehicles. When only portions of vehicles are used for carrying mails, the mileage is apportioned as directed in the foot-note to Table A. The average weight of the contents, including the Post Office servants of a Post Office Vehicle, is assumed on the best data available.

† Whenever brake vans are loaded with luggage or parcels, the results are included with No. 7 Luggage Vans.

‡ This is shown separately when minerals are carried entirely in special vehicles. If not so carried it will be incorporated with goods.

(a) This includes the mileage of all vehicles, home and foreign, running on the line, and excludes the mileage of home vehicles on foreign lines.

(b) Taken from station to station returns, or, in default of these, arrived at by dividing the receipts from each class of traffic by the average rate or fare per unit per mile.

(c) = $\frac{b}{a}$; (d) for coaching = $c \times \text{weights of units per definition}$, and for goods and luggage = $\frac{b}{a}$; measurement goods being converted to weight at an arbitrary rate; (e) from returns furnished by Railway Companies; (f) = $a + e$; (g) = $a \times d$; (h) = $a \times e$; (i) or (j) = $h + i$.

(j) is the ton mileage used for purposes of calculation in analysing expenditure of departments.

Mileage of horned cattle ... 1,289

Do. of sheep ... 24

Total ... 1,293

M-II.
Division between Coaching and Goods of the Expenditure of Departments.

Details.	Maintenance.		Locomotive.	Carriage and Wagon.	Traffic.	General.	SPECIAL AND MISCELLANEOUS.		Total.
	(a)	(b)					P.W. Renewal Fund.	Other Items.	
Expenses due to Coaching	Rs. 26,816	36,146	Rs. 6,851	Rs. 14,386	Rs. 13,154	Rs. 2,437	Rs. 99,790	Rs. 1,54,808	2,54,596
Do. due to Goods	42,651	57,531	10,438	19,259	20,937	3,880	1,54,808	6,317	2,54,596
Total...	69,467	93,677	17,339	33,675	34,091	6,317	2,54,596	6,317	2,54,596

(a) Divided in terms of the total ton mileage (M-I, 11, 17); (b) Locomotive expenses are kept separate, joint items being divided in terms of the train mileage; (c) the expenses of repairs, etc., are kept separate for coaching and goods stock—oil, greasing, and all joint items are divided in terms of the vehicle mileage (M-I, 8, 14); (d) to be divided in terms of the vehicle mileage (M-I, 8, 14); (e) divided in terms of the ton mileage; and (f) divided in terms of the train mileage.

N. B.—When mixed as well as passenger and goods trains are run, the mixed train mileage is converted to passenger and goods train mileage, as directed in the foot-note to Table A. When both passenger and goods trains are not run, the division of (a) and (b) in this table is made in terms of the ton mileage (M-I, 11, 17), and that of the other columns in terms of the vehicle mileage of coaching and goods respectively.

M-III.
Distributed Cost of carrying the Vehicles of each Class including Freight.

Details.	First Class Carriages.		Second Class Carriages.		Third Class Carriages.		Fourth Class Carriages.		Carriage Trucks.		Horse Boxes.		Luggage Vans.		Post Office Vehicles.		Total Coaching Stock.		Goods Vehicles.		Cattle Vans.		Mineral Trucks.		Total Goods Stock.	
	Rs.	Pies.	Rs.	Pies.	Rs.	Pies.	Rs.	Pies.	Rs.	Pies.	Rs.	Pies.	Rs.	Pies.	Rs.	Pies.	Rs.	Pies.	Rs.	Pies.	Rs.	Pies.	Rs.	Pies.	Rs.	Pies.
Maintenance (a)...	1,041	...	2,800	...	19,420	...	...	...	91	...	676	...	1,888	...	...	...	26,816	...	42,651	...	...	...	...	...	42,651	...
Locomotive (b)...	2,617	...	3,774	...	26,177	...	...	...	129	...	911	...	2,543	...	...	...	36,146	...	57,531	...	...	...	...	...	57,531	...
Carriage and Wagon (c)...	429	...	1,005	...	5,018	...	...	...	30	...	105	...	588	...	...	...	6,851	...	10,438	...	...	...	...	...	10,438	...
Traffic (d)...	1,007	...	1,193	...	10,536	...	...	...	63	...	347	...	1,123	...	...	...	11,386	...	19,274	...	...	...	...	...	19,274	...
General (e)...	921	...	...	...	9,634	...	...	...	57	...	317	...	1,032	...	...	...	13,154	...	20,920	...	...	...	...	...	20,920	...
Special and Miscellaneous (f)...	170	...	221	...	1,785	...	...	...	11	...	59	...	...	...	...	...	2,437	...	3,877	...	...	...	...	...	3,877	...
Total...	7,135	...	9,914	...	72,570	...	...	...	374	...	2,475	...	7,322	...	...	...	99,790	...	1,54,692	...	114	...	...	...	1,54,808	...

(a), (b) and (f).—The cost as per M-II. is divided off among the classes in the ratio of the ton mileage (M-I, 1-7 A, 12-13, A).
(c), (d), (e) and (g).— " " " " in the ratio of the vehicle mileage (M-I, 17 21, A-13, a).

M-IV.

Classified cost of working over one Mile a Vehicle, including its freight; also total cost of carrying over one Mile a Unit of each description of Traffic.

Details.	First Class.		Second Class.		Third Class.		Fourth Class.		Carriage Trucks.		Horse Boxes.		Luggage Vans.		Post Office Vehicles.		Goods Vehicles.		Cattle Vans.		Mineral Trucks.	
	Pies.	Pies.	Pies.	Pies.	Pies.	Pies.	Pies.	Pies.	Pies.	Pies.	Pies.	Pies.	Pies.	Pies.	Pies.	Pies.	Pies.	Pies.	Pies.	Pies.	Pies.	Pies.
Maintenance	6,937	7,722	6,631	...	...	...	...	...	5,169	...	7,008	...	6,018	...	...	...	7,961	...	7,247	...	...	...
Locomotive	9,351	10,408	8,637	...	...	...	...	...	6,968	...	9,446	...	8,111	...	...	...	10,731	...	9,709	...	...	...
Carriage and Wagon	1,713	1,713	1,713	...	...	...	...	...	1,113	...	1,713	...	1,713	...	...	...	1,956	...	1,956	...	...	...
Traffic	8,597	8,597	8,597	...	...	...	...	...	8,597	...	8,597	...	8,597	...	...	...	8,597	...	8,597	...	...	...
General	8,289	8,289	8,289	...	...	...	...	...	3,239	...	...	...	8,289	...	...	...	3,904	...	3,904	...	...	...
Special and Miscellaneous (P.W. Renewal Fund)	0,609	0,609	0,609	...	...	...	...	...	0,609	...	0,609	...	0,609	...	...	...	0,723	...	0,723	...	...	...
Total...	25,496	28,883	24,776	...	...	...	...	...	21,345	...	25,662	...	23,337	...	...	...	28,872	...	27,196	...	...	...
Cost per Unit...	23,883	9,141	1,035	...	...	...	...	...	16,715	...	31,935	...	83,421	...	...	...	10,386	...	16,923	...	...	...

M-V.

Statement showing in comparison the receipts and the carrying cost per Unit per Mile of Coaching and Merchandise Traffic.

Details.	Average Receipt per Unit per Mile.		Actual Cost per Unit per Mile.		Profit per Unit per Mile.		Loss per Unit per Mile.		Proportion per cent. of Profits to Receipts.	
	Pies.	Pies.	Pies.	Pies.	Pies.	Pies.	Pies.	Pies.	Pies.	Pies.
COACHING—										
1st Class	17,937	28,883	28,883	...	...	...	...	...	...	...
2nd "	4,753	9,141	9,141	...	...	...	...	...	...	...
3rd "	2,834	1,935	1,935	...	...	...	...	...	...	...
4th "	...	...	...	...	...	...	...	...	...	...
Carriages	23,687	16,715	16,715	...	...	...	...	...	...	...
Horses	14,422	31,955	31,955	...	...	...	...	...	...	...
Luggage	9,4751	83,421	83,421	...	...	...	...	...	...	...
Post Office Vehicles	...	...	...	...	...	...	...	...	...	...
Goods—										
Merchandise, including Government Stores and Railway materials	11,517	10,386	10,386	...	...	...	...	...	...	...
Cattle	14,701	16,923	16,923	...	...	...	...	...	...	...
Minerals	...	...	...	...	...	...	...	...	...	...

MADRAS,
7th February 1873.

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

*Proceedings of the Madras Government, Public Works Department,
6th March 1873.*

CAPITAL AND REVENUE ACCOUNTS FOR THE HALF YEAR ENDING 30TH
JUNE 1872.

PART I.

PART I.
 No. I.—Statement of Capital authorized and created by the Company.

Act of Parliament.	CAPITAL AUTHORIZED.			CAPITAL CREATED OR SANCTIONED.			BALANCE.		
	Stock and Shares.	Loans.	Total.	Stock and Shares.	Loans.	Total.	Stock and Shares.	Loans.	Total.
Great Southern of India Railway Act 21 and 22, Vic. cap. 138, 2nd August 1858.	£	&	£	£	£	£	£	&	£
Do do Amendment Act 23, Vic. cap. 49, 15th May 1860.	3,000,000	996,666	3,996,666	2,353,900	596,100	2,950,000	646,100	460,566	1,046,666

No. II.—Statement of Stock and Share Capital created showing the proportion received.

Description.	Amount Created.	Amount Received.	Amount Uncalled.
	£	£	£
Contract with Secretary of State for India, dated 14th February 1860. Shares of £ 20 each, guaranteed 5 per cent. per annum...	484,000	484,000	
Sanctioned by Secretary of State for India, 17th December 1861 and 27th February 1862. Stock guaranteed 5 per cent. per annum ...	22,400	22,400	
Contract with Secretary of State for India, dated 21st April 1864, shares of £ 20 each, guaranteed 4½ per cent. per annum...	350,000	350,000	
Sanctioned by Secretary of State for India, 15th April 1867. Stock guaranteed 5 per cent. per annum ...	200,000	200,000	
Sanctioned by Secretary of State for India, 4th November 1869, 60,000 shares of £ 20 each, guaranteed 5 per cent. per annum, issued at a premium of 12s. per share..	1,200,000	1,188,308	11,692
Mortgage Bonds converted into stock ...	97,500	97,500	
	2,353,900	2,342,208	11,692
Premium on 60,000 shares at 12s. per share ...	36,000	36,000	
Total...	2,389,900	2,378,208	11,692

No. III.—Capital raised by Loans and Debenture Stock.

	Raised by Loans at 5 per cent.	Debt Stock 4½ per cent.	Total.
Existing at 31st December 1871	£ 87,800	£ 425,000	£ 512,800
Do. at 30th June 1872	67,500	425,000	492,500
Decrease...	20,300	...	20,300

Total authorized to be raised by loans and by debenture stock in respect of share capital created as per Statement No. 1	...	...	£. 596,100
Total raised by loans and debenture stock as above	...	...	492,500
Balance being available borrowing powers at 30th June 1872...			<u>103,600</u>

*Proceedings of the Madras Government, Public Works Department,
6th March 1873.*

No. IV.—*Receipts and Expenditure on Capital Account.*

[illegible]

Proceedings of the Madras Government, Public Works Department,
6th March 1873.

No. V.—Details of Capital Expenditure for the half-year.

	RS.	A.	P.	RS.	A.	P.	RS.	A.	P.	RS.	A.	P.
LINES OPEN FOR TRAFFIC												
VIII. ROLLING STOCK												
2. CARRIAGE AND WAGON STOCK												
10 Tons Salt Vans	5,118	0	0	5,118	0	0						
Less value of old material, etc., sold and credited to Construction works										935	0	11
TOTAL EXPENDITURE ON LINES OPEN FOR TRAFFIC										4,182	15	1
LINES UNDER CONSTRUCTION—SOUTHERN EXTENSION										1,02,124	6	1
I. PRELIMINARY EXPENSES							21,126	11	5			
III. CONSTRUCTION OF LINE							12,867	3	9			
1. EARTHWORK				4,923	1	0						
2. BRIDGEWORK				7,944	2	9						
I. Minor Bridges, Culverts, etc.	7,179	15	0									
II. Large Bridges	764	8	9									
Dist. No. 1, 3 m. 43 ch., Rs. 400 9 2												
" " 7. 5 " 13 " " 321 11 11												
" " 14. 5 " 9 " " 41 14 3												
V. STATIONS AND BUILDINGS							5,569	6	9	14,282	4	3
1. STATIONS AND OFFICES							5,319	8	1			
Trichinopoly Station							61	4	2			
Dindigul do.							183	10	6			
Madura do.												
2. WORKSHOPS, STORE BUILDINGS, ETC.							3,628	9	6			
Temporary Stores and Workshops, Trichinopoly							5,076	4	0			
3. STAFF QUARTERS												
Engineers' Temporary Bungalows										14,756	14	2
VII. PLANT							10,136	1	5			
1. ENGINEERING							4,620	12	9			
4. STATION AND OFFICE FURNITURE												
X. ESTABLISHMENTS										36,991	12	11
1. DIRECTION (INCLUDING AUDIT AND ACCOUNTS)							20,744	9	0			
2. ENGINEERING							13,934	10	0			
5. STORES							2,262	9	11			
XI. CONTINGENCIES										2,099	7	7
1. DIRECTION (INCLUDING AUDIT AND ACCOUNTS)							590	12	6			
2. ENGINEERING							1,503	11	1			
Total										1,03,307	5	2

No. VI.—Estimate of further Expenditure on Capital Account.

	During the half-year ending 31st December 1872.	In subsequent half-years.	Total.
Lines in course of construction—Southern Extension	RS. 4,00,000	RS. 7,430,625	RS. 7,880,625
Working Stock		1,082,800	1,082,800
			8,963,425
			821,647

No. VII.—Capital Powers and other assets available to meet further Expenditure as per Account No. VI.

	£	s.	d.
Share and Loan Capital authorized or created, but not yet received	1,161,953	0	0
Balance at credit of Capital Account (Form No. IV)...	1,450,170	1	9
	2,612,123	1	9

Proceedings of the Madras Government, Public Works Department,
6th March 1873.

Cr.

No. VIII.—Revenue Account for the Half-year ending 30th June 1872.

PART II.

Dr.

	Amount.	Train Miles, 121,158. Cost per Train Mile.	Percentage of Working Expenses.	Per-centage of Re-venue.	Half-year ending 30th June 1872	Earnings per Train Mile.
	RS. A. P.	ANNAS.			RS. A. P.	ANNAS.
To Maintenance of Way and Works (Abstract A)	69,497 8 3	9-18	27-30	17-44	2,19,622 4 10	29-00
.. Locomotive Expenses (Abstract B)	93,677 0 0	12-37	36-79	23-51	1,71,815 1 5	22-69
.. Carriage and Wagon Expenses (Abstract C)	17,333 14 8	2-29	6-81	4-35	3,011 0 6	40
.. Traffic Expenses (Abstract D)	33,675 5 11	4-45	13-23	8-45	4,090 2 6	54
.. General Charges (Abstract E)	34,090 13 2	4-50	13-39	8-55		
.. Special and Miscellaneous (Abstract G)	6,316 15 1	8-3	2-48	1-58		
Balance	2,54,596 9 1	33-62	100-00	63-88		
Total	1,43,942 0 2	19-01	...	36-12		
	3,98,538 9 3	52-63	100-00	100-00	3,98,538 9 3	52-63

(Signed) W. S. BETTS,
Agent and Traffic Manager.

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

(Signed) J. SMITH,
Chief Auditor.

(Signed) C. M. MOBERLY, Captain,
Government Examiner of Railway Accounts.

NEGAPATAM,
20th August 1872.

Proceedings of the Madras Government, Public Works Department,
6th March 1873.

No. IX.

ABSTRACT A.

Maintenance of Way, Works, and Stations.

			RS.	A.	P.	RS.	A.	P.
1ST.—SALARIES, OFFICE EXPENSES, AND GENERAL SUPERINTENDENCE.								
(1.)—Engineers' Salaries	...	...	9,877	3	0	16,452	7	0
(2.)—Allowances, including travelling expenses	...	...	495	0	0			
(3.)—Subordinate Superintendents	...	...	3,447	5	0			
(4.)—Allowances of do.	...	...	142	8	0			
(6.)—Office Expenses	...	...	2,490	7	0			
2ND.—MAINTENANCE AND RENEWALS OF PERMANENT-WAY								
(1.)—Wages	...	...	20,375	2	2	44,008	3	4
(2.)—Materials	...	...	23,633	1	2			
3RD.—REPAIRS OF BRIDGES, ETC.—LABOUR AND MATERIAL								
(1.)—Bridges	...	...	267	3	9	1,242	11	5
(2.)—Miscellaneous, including earthwork, etc.	...	...	975	7	8			
4TH.—REPAIRS OF STATIONS AND BUILDINGS—LABOUR AND MATERIALS								
(1.)—Repairs of Buildings, Station yards and Signals, etc.	...	...	7,181	7	0	7,447	7	6
(2.)—Repairs of Staff Quarters...	...	...	266	0	6			
6TH.—UNCLASSIFIED EXPENDITURE								
Tools and Plant	...	...	337	15	0	346	11	0
Miscellaneous	...	...	8	12	0			
Total...						69,497	8	3

Miles maintained.		Departmentally.	By Contract.	Total.
Rail way Line....	{ Double	...	...	...
	{ Single	168	...	168
Sidings	...	13½	...	13½
		...	...	181½

ABSTRACT B.

Locomotive Expenses.

			RS.	A.	P.	RS.	A.	P.
1ST.—GENERAL SUPERINTENDENCE								
(1.)—Salary of Locomotive Superintendent	...	...	4,175	12	0	18,680	5	2
(2.)—Allowances, including travelling	...	...	136	0	0			
(3.)—Subordinate Superintendents	...	...	9,699	8	8			
(4.)—Allowances of do., including travelling	...	...	464	15	3			
(5.)—Overtime allowances	...	...	126	15	5			
(6.)—Office expenses	...	...	4,080	1	10			
2ND.—RUNNING EXPENSES								
(1.)—Wages of Drivers and Firemen	...	...	11,983	5	0	16,910	2	2
(2.)—Overtime and allowances	...	...	2,832	2	0			
(3.)—All labour connected with fueling and cleaning engines in yards	...	...	1,104	11	2			
(4.)—Contingent expenses, including travelling	...	...	990	0	0			

Proceedings of the Madras Government, Public Works Department,
6th March 1873.

Locomotive Expenses.—(Concluded.)

			RS.	A.	P.	RS.	A.	P.
3RD.—FUEL								
(1.)—Coal	...	... Tons 893 Cwts. 3	19,370	2	10	35,851	10	7
(3.)—Patent fuel	...	... „ 703 „ 14	15,261	7	10			
(4.)—Wood	...	... „ 239 „ 5½	1,219	15	11			
4TH.—WATER—(wages and stores inclusive)								
5TH.—OIL, TALLOW, AND STORES EXPENDED ON ENGINES IN WORK...								
6TH.—MAINTENANCE AND RENEWALS OF LOCOMOTIVE ENGINES AND MACHINERY								
(1.)—Wages	...	...	5,496	13	6	19,110	13	2
(2.)—Overtime allowances	...	...	102	5	9			
(3.)—Materials	...	...	13,511	9	11			
Total...						93,677	0	0

ABSTRACT C.

Carriage and Wagon Expenses.

			RS.	A.	P.	RS.	A.	P.
1ST.—GENERAL SUPERINTENDENCE								
(1.)—Salary of Superintendent	...	...	736	6	0	3,100	0	2
(2.)—Allowances, including travelling	...	...	24	0	0			
(3.)—Subordinate Superintendents	...	...	1,570	10	4			
(4.)—Allowances, of do., including travelling	...	...	82	0	9			
(5.)—Overtime allowances	...	...	13	3	7			
(6.)—Office Expenses	...	...	673	11	6			
2ND.—REPAIRS AND RENEWALS OF VEHICLES...								
Coaching Vehicles—(1.)—Wages			1,207	7	9	11,651	9	9
(2.)—Overtime			6	11	11			
(3.)—Materials			3,206	6	7			
Goods Vehicles—(1.)—Wages			2,115	6	2	4,420	10	3
(2.)—Overtime			39	2	5			
(3.)—Materials			5,076	6	11			
3RD.—CLEANING CARRIAGES AND WAGONS, AND OILING								
(1.)—Labour, including wages of Oilers, Carriage Examiners, etc.	...	...	7,230	15	6	2,587	4	9
(2.)—Stores, including oil, and other stores consumed on running vehicles	...	...	1,372	14	10			
	...	...	1,214	5	11			
Total...						17,338	14	8

ABSTRACT D.

Traffic Expenses:

			RS.	A.	P.	RS.	A.	P.
1ST.—SALARIES, WAGES, ETC.								
(a)—General Superintendence								
(1.)—Assistant Traffic Manager	...	...	3,000	0	0	4,175	12	6
(2.)—Office Establishment	...	...	577	0	0			
(3.)—Travelling allowances	...	...	585	0	0			
(4.)—Contingencies	...	...	13	12	6			
(b)—Station Staff, including Gatekeepers, etc.								
(c)—Train Staff	...	...	14,052	8	2	21,050	4	8
(1.)—Guards and Assistant Guards	...	...	2,822	0	0			

Proceedings of the Madras Government, Public Works Department,
6th March 1873.

Traffic Expenses.—(Concluded.)

	RS.	A.	P.	RS.	A.	P.
2ND.—FUEL, LIGHTING, WATER, AND GENERAL STORES...				1,329	3	5
(1).—Lights, general stores, etc., for carriages, stations, etc.	1,000	9	11			
(2).—Wagon covers, ropes etc. ...	16	14	1			
(3).—Office and station fittings and furniture ...	311	11	5			
3RD.—CLOTHING ...						
4TH.—PRINTING, STATIONERY, AND TICKETS ...				187	8	0
6TH.—MISCELLANEOUS EXPENSES ...				2,134	10	8
7TH.—PAYMENTS TO OTHER LINES ...				232	0	0
(2).—Mileage of foreign stock ...				8,741	11	2
(3).—Expenses at Joint Station (Erode) including rent ...	2,533	15	0			
	6,207	12	2			
Total...				33,675	5	11

ABSTRACT E.
General Charges.

1ST.—HOME EXPENDITURE	RS. A. P.	RS. A. P.																						
(1).—Directors and Secretary		10,600 12 10																						
(2).—Auditors and Accountants	5,400 0 0																							
(3).—Consulting Engineer, Inspectors' fees and travelling allowances	2,029 1 5																							
(4).—Office expenses	1,636 5 10																							
	1,535 5 7																							
2ND.—SALARIES OF INDIAN MANAGEMENT, INCLUDING OFFICES		20,457 7 10																						
	<table><tr><th>Salaries.</th><th>Travelling Allowances.</th><th>Contingencies.</th></tr><tr><td>RS. A. P.</td><td>RS. A. P.</td><td>RS. A. P.</td></tr><tr><td>(1).—Agent's Office, including Audit, Accounts, and Paymaster's ...</td><td>13,756 11 0</td><td>80 13 7</td><td>102 8 3</td></tr><tr><td>(5).—Store Department.</td><td>4,022 6 9</td><td>.....</td><td>.....</td></tr><tr><td>(6).—Medical Department</td><td>1,277 6 4</td><td>6 0 0</td><td>44 15 5</td></tr><tr><td></td><td>19,056 8 1</td><td>86 13 7</td><td>147 7 8</td></tr></table>	Salaries.	Travelling Allowances.	Contingencies.	RS. A. P.	RS. A. P.	RS. A. P.	(1).—Agent's Office, including Audit, Accounts, and Paymaster's ...	13,756 11 0	80 13 7	102 8 3	(5).—Store Department.	4,022 6 9			(6).—Medical Department	1,277 6 4	6 0 0	44 15 5		19,056 8 1	86 13 7	147 7 8	19,290 13 4
Salaries.	Travelling Allowances.	Contingencies.																						
RS. A. P.	RS. A. P.	RS. A. P.																						
(1).—Agent's Office, including Audit, Accounts, and Paymaster's ...	13,756 11 0	80 13 7	102 8 3																					
(5).—Store Department.	4,022 6 9																							
(6).—Medical Department	1,277 6 4	6 0 0	44 15 5																					
	19,056 8 1	86 13 7	147 7 8																					
(8).—Contingencies, including furniture...	651 4 7																							
(9).—Stationery	424 12 5																							
(10).—Medicines	90 9 6																							
4TH.—ADVERTISING		92 10 7																						
5TH.—ELECTRIC TELEGRAPH		2,939 13 11																						
(2).—Signallers	2,527 8 0																							
(4).—Office expenses, contingencies, etc....	399 14 2																							
(5).—Maintenance, stores, and labour	12 7 9																							
Total...		34,090 13 2																						

ABSTRACT G.
Special and Miscellaneous Expenditure.

	RS.	A.	P.
(1).—Law charges ...	3	1	0
(2).—Compensation for Goods lost and damaged ...	776	14	11
(3).—Rates and Taxes ...	536	15	2
(4).—Contribution to Fire Insurance Fund ...	5,000	0	0
Total...	6,316	15	1

Proceedings of the Madras Government, Public Works Department,
6th March 1873.

ABSTRACT H.

No. X.

Coaching Traffic.

	FIRST CLASS.		SECOND CLASS.		THIRD CLASS.		TOTAL.	
	18 Pies.		5 Pies.		3 Pies.			
Mileage Fares.	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.
1ST.—PASSENGERS.		RS. A. P.		RS. A. P.		RS. A. P.		RS. A. P.
Single journeys ...	755	4,123 1 0	3,818	4,420 7 0	365,013	1,84,383 12 0	869,586	1,92,932 4 0
Excess fares ...		161 15 0		136 5 0		269 5 0		570 9 0
Return journeys ...	43	137 9 0	1,070	473 1 0	56,116	11,743 10 0	57,228	12,353 4 0
Troops and Police ...			57	125 0 0	2,068	2,315 10 0	2,125	2,440 10 0
Total...	797	4,430 9 0	4,945	5,153 13 0	423,197	1,98,712 5 0	423,939	2,08,296 11 0
Season Ticket...			1	50 0 0			1	50 0 0
							428,940	2,08,346 11 0
2ND.—PASSENGERS' LUGGAGE ...							6,174	1,931 10 0
3RD.—MILITARY BAGGAGE ...							90	28 11 0
4TH.—CARRIAGES, HORSES, DOGS, ETC.							8,734	1,874 0 0
(1).—Carriages ...	No.	60 Rs.	530	4 0				
(2).—Horses ...		171	1,086	4 0				
(3).—Dogs ...		291	216	8 0				
(4).—Corpses ...		2	41	0 0				
5TH.—MILITARY HORSES ...		4	31	8 0			148	31 8 0
6TH.—PARCELS ...							10,440	6,141 10 0
7TH.—SPECIAL TRAINS ...							Train Miles 174	1,213 14 0
8TH.—POST OFFICE PARCELS...							93	54 4 10
Total ...								2,19,622 4 10

ABSTRACT I.
Goods Traffic.

	Rate per Ton per Mile.	Ton Miles.	Amount.	Total.
			RS. A. P.	RS. A. P.
1ST.—MERCHANDIZE, GENERAL				1,70,666 10 6
1st Class...	12 Pies.	1,420,247	87,318 15 0	
2nd "	14 "	368,840	26,326 13 0	
3rd "	18 "	178,213	16,483 4 0	
4th "	24 "	37,893	4,682 9 0	
5th "	36 "	22,771	4,445 15 0	
Special "	8 "	807,899	31,409 2 6	
2ND.—MILITARY STORES		3,410		354 2 0
3RD.—RAILWAY MATERIALS FOR CONSTRUCTION		20,435		519 2 0
5TH.—LIVE STOCK				99 3 0
2. Cattle ...	No. 1,269		83 15 0	
3. Sheep, etc. ...	6,514		15 4 0	
7TH.—RENTS AND DEMURRAGE, WHARFAGE, ETC. ...				175 15 11
Total...				1,71,815 1 5

Proceedings of the Madras Government, Public Works Department,
6th March 1873.

ABSTRACT K.
Sundries.

	RS.	A.	P.
Interest on Revenue balances deposited with Government ...	1,049	10	6
Rents of dwelling-houses ...	1,721	9	8
Fees on share transfers, etc. ...	391	5	10
Sale of unclaimed and damaged goods ...	5	2	1
Sale of Revenue stores ...	922	6	5
1. Maintenance ...	632	11	9
2. Locomotive ...	95	15	8
3. Carriage and wagon ...	109	10	4
4. Traffic ...	44	9	8
5. General ...	39	7	0
Total...	4,090	2	6

No. XI.

Fire Insurance Fund.

	RS.	A.	P.		RS.	A.	P.
To Balance on hand, 30th June 1872, namely:—				By Balance on 1st January 1872. ...	62,437	3	9
Invested in 4 per cent. Government Securities ..	61,365	0	0	„ Interest received during the half-year on amount invested in Government Promissory Notes, less Bankers' commission and income-tax ...	135	8	6
Cash in hand. 6,207 12 3				„ Contribution from Revenue for the half-year as per Abstract G of Revenue Account ...	5,000	0	0
Total...	67,572	12	3	Total...	67,572	12	3

No. XII.—Statement of Engine and Rolling Stock for the Half-year ending 30th June 1872.

Proceedings of the Madras Government, Public Works Department,
6th March 1873.

Description.	Total Stock authorized up to date.	Total Stock constructed against authorization up to 31st December 1871.	Additions to Stock during the half-year.	Total Stock constructed up to 30th June 1872.	Actual Stock running on 30th June.	REPAIRS AND RENEWALS.				Average Number undergoing Repairs and Renewals at any one time.
						Total Number of Vehicles renewed during the half-year.	Total Number of Vehicles repaired during the half-year.	Total Number of Vehicles undergoing repairs on the 30th June 1872.	Total Number of Vehicles undergoing repairs on the 30th June 1872.	
Engine.										
Tank ...	2	2	...	2	1	11	...	...	1	8 54
Passenger ...	9	9	...	9	2	44	...	...	7	
Goods ...	10	9	1	10	6	43	...	...	4	
(Composite Carriages ...	7	7	...	7	6	19	...	...	1	
2nd-class do. ...	2	2	...	2	1	31	...	...	1	6 38
3rd-class do. ...	34	34	...	34	34	24	...	...	...	
Passenger Brake Vans ...	8	7	1	8	8	15	...	...	...	
Horse Boxes ...	3	3	...	3	3	3	...	...	...	
Carriage Trucks ...	1	1	...	1	1	...	...	...	...	
Goods Brake Vans ...	4	4	...	4	4	10	...	...	...	
Covered Goods Wagons ...	150	149	1	150	150	172	...	...	3	
Ballast do. ...	50	50	...	50	47	112	...	...	3	
Open Goods do. ...	50	50	...	50	47	93	...	...	...	
Timber Trucks ...	4	4	...	4	4	3	...	...	...	
High-sided Open Trucks ...	50	50	...	50	49	46	...	...	1	
Five-ton Travelling Crane ...	1	1	...	1	1	2	...	...	...	1
Ten-ton do. ...	1	1	...	1	1	...	...	...	...	
(Salt Trucks ...	25	25	...	25	24	31	...	...	1	

(Signed) E. G. SHEWARD,
Loco. and Car. Superintendent.

NEGAPATAM,
19th August 1872.

Proceedings of the Madras Government, Public Works Department.
6th March 1873.

No. XIII.
Mileage Statement.

				MILES,
Lines owned by Companies, not commenced	...	...	...	...
Do. do. under construction	...	...	...	215
Do. do. constructed and not worked	...	...	...	...
Do. do. do. and worked by Company	...	...	...	168
Do. do. do. do. by others	...	...	...	...
Total...				383

Lines worked by Company—

Its own	...	...	...	...	168
Foreign	...	...	...	...	...

Total... 168

Foreign lines worked by the Company	...	...	...	Nil.
-------------------------------------	-----	-----	-----	------

No. XIV.
Statement of Train Mileage.

				No.	Estimated Locomotive Expenses.
Train miles run for the Traffic Department				121,158	Rs. 72,740
Do. " Locomotive	...	...	...	47	38
Do. " Maintenance	...	...	...	4,104	2,463
Total...				125,309	75,241
Hours of assisting engines				H. 1 M. 35	8
Do. of shunting, piloting, etc.	...	...	...	5,156	16,928
Do. of miscellaneous services	...	...	...	1,216	1,500
Total...				6,374	18,436
Total cost...					93,677

No. XV.
Distribution Statement of Audited Salaries.

Department.				Capital.			Revenue.			Total.		
				RS.	A.	P.	RS.	A.	P.	RS.	A.	P.
Home expenditure	...	...	...	10,685	5	4	10,600	12	10	21,286	2	2
Agency	...	...	...	9,225	0	5	13,837	8	7	23,062	9	0
Audit	...	...	...									
Accounts	...	...	...									
Paymasters	...	...	...	2,262	9	11	4,022	6	9	6,285	0	8
Store	...	...	...	855	9	8	1,283	6	4	2,139	0	0
Medical	...	...	...									
Total...				23,028	9	4	29,744	2	6	52,772	11	10

Proceedings of the Madras Government, Public Works Department.
6th March 1873.

No. XVI.
GOVERNMENT FORM OF ACCOUNT.
Statement of Net Profits for the half-year.

				RS.	A.	P.					RS.	A.	P.
To Balance outstanding as per last account	...	...	...	129	15	1	By payments to the Treasury during the half-year	...	...	...	4,45,570	9	8
„ Earnings during the half-year as per Revenue Account (Form No. VIII)	...	...	...	3,98,538	9	3	„ Interest on Revenue balances	...	...	...	1,049	10	6
							„ transfer fees received in England	...	...	...	391	5	10
							Deduct payments made during January and February on account of outstandings belonging to previous half-years	...	...	...	4,47,011	10	0
							By traffic earnings paid into Treasury during July and August	...	...	...	62,138	3	0
							Total Traffic Receipts.	...	...	...	3,84,873	7	0
							„ Balance, i.e., earnings unpaid to Government on 1st September 1872.	...	...	...	13,678	14	8
							Due by stations	...	...	...	3,98,552	5	8
							„ „ Government	...	...	...	18	3	0
								...	...	...	97	15	8
								...	...	...	116	2	8
Total...				3,98,668	8	4	Total...			3,98,668	8	4	

Traffic receipts paid to Government as per above statement	...	...	...	3,98,552	5	8
Deduct working expenses as per Revenue Account	...	...	...	2,54,596	9	1

Balance being net profits for the half-year... 1,43,955 12 7

NEGAPATAM,
30th August 1872.

(Signed) J. SMITH, Chief Auditor.
(Signed) W. S. BETTS, Agent and Traffic Manager.
(Signed) C. M. MOBERLY, Captain, Government Examiner.
(Signed) J. H. M. SHAW-STEWART, Lieut.-Colonel, R.E., Consulting Engineer for Railways.

No. XVII.
Net Revenue Account.

				£	s.	d.					£	s.	d.
For Guaranteed Interest received from the Secretary of State for India during the half-year, namely:—							By net profits of the half-year as per Form No. 16, Rupees 143,955-12-7 at 1 s. 10 d. per Rupee						
On Stock at 5 per cent £ 1,979,546	...	...	...	49,093	1	4							
„ „ „ 5 „ „ „ 12,662	...	...	...	116	16	1							
„ „ „ 42 „ „ „ 350,000	...	...	...	8,312	10	0							
Mortgage Bonds 5 „ „ „ 67,500	...	...	...	2,077	1	8							
Debt Stock 4 „ „ „ 425,000	...	...	...	9,583	10	0							
							By Balance being interest received from the Secretary of State for India on the total Capital raised in excess of the net earnings of the portion of the line open for traffic						
Total...				69,167	19	1	Total...				55,072	0	2

	RS.	A.	P.	RS.	A.	P.	RS.	A.	P.
To Capital Account, Balance at Credit.	15,820,037	5	1	15,820,037	5	1	12,773,387	1	0
" Unpaid Interest	7,44,589	0	9	7,44,589	0	9	1,53,268	5	10
" Revenue Account	27,63,322	10	1	27,63,322	10	1	25,987	9	7
To 31st December 1871	26,19,380	9	11	26,19,380	9	11			
Half-year ending 30th June 1872 ...	1,43,942	0	2	1,43,942	0	2			
Fire Insurance Fund... ..							524	0	8
" Amount due to Madras Railway Com- pany				67,572	12	3	25,463	8	11
" Outstanding Account, namely England—				9,181	11	10			
Office Expenses ... 1 742 14 0				2,69,334	6	4			
Forfeited shares ... 2,738 0 0							8,14,312	15	3
Hancock & Co. ... 1 10 3							27,68,776	9	4
Interest on Investments. 682 5 11									
Do. and Commission. 3,685 11 11							61,365	0	0
J. Lowe & Co. ... 7 8 1							18,863	1	5
J. Allan & Sons ... 1,053 3 11							30,41,719	4	2
India—	9,530	14	1						
Fine Fund	1,03,971	5	1						
Guarantee Fund	10,379	15	1						
Unclaimed monies	1,26,005	8	2						
Pay and Allowances... ..	1,594	0	10						
	27,983	9	2						
Total...									
	1,03,971	5	1						
	10,379	15	1						
	1,26,005	8	2						
	1,594	0	10						
	27,983	9	2						
Outstanding Accounts, namely									
England—									
Salaries, Advances ...	397	18	3						
Mr. Bruce's Inspection. ...	58	0	2						
India—									
Traffic earnings due by Stations, Traders, etc., ...	455	18	5						
Total...									
	19,674,637	14	4						

(Signed) J. SMITH,
Chief Auditor.

(Signed) C. M. MOBERLY, Captain,
Govt. Examiner of Railway Accounts.

(Signed) W. S. BELTS,
Agent and Traffic Manager.

Sheep sent singly are charged for at the rate of 8 Annas for distances not exceeding 50 miles, 1 Rupee for distances from 51 to 100 miles, and 4 Annas additional for every 50 miles or portion of 50 miles above 100 miles. Dealers' horses are conveyed in wagons by "Goods" train at 3 Annas per mile per truck load of five or any less number.

Proceedings of the Madras Government, Public Works Department,
6th March 1873.

LIST OF MADRAS RAILWAY RATES AND DISTANCES FROM ERODE STATION.

For Goods.

See "Great Southern of India Railway" and "Madras Railway Classification of Goods."

For Parcels.

Distance.	10 lbs. and under.	11 to 20 lbs.	21 to 40 lbs.	41 to 80 lbs.	81 to 100 lbs.	101 to 125 lbs.	126 to 150 lbs.	151 to 200 lbs.	201 to 250 lbs.
1 to 50 miles	RS. A. 0 4	RS. A. 0 6	RS. A. 0 8	RS. A. 0 12	RS. A. 1 2	RS. A. 1 8	RS. A. 1 14	RS. A. 2 4	RS. A. 2 10
51 to 100 "	0 6	0 9	0 12	1 2	1 10	2 2	2 10	3 2	3 10
101 to 150 "	0 8	0 12	1 0	1 8	2 2	2 12	3 6	4 0	4 10
151 to 200 "	0 10	0 15	1 4	1 14	2 10	3 6	4 2	4 14	5 10
201 to 250 "	0 12	1 2	1 8	2 4	3 2	4 0	4 14	5 12	6 10
251 to 300 "	0 14	1 5	1 12	2 10	3 10	4 10	5 10	6 10	7 10
301 to 350 "	1 0	1 8	2 0	3 0	4 2	5 4	6 6	7 8	8 10
351 to 400 "	1 2	1 11	2 4	3 6	4 10	5 14	7 2	8 6	9 10

For Ice, Fish, Meat, and Vegetables.

Distance.	10 lbs. and under.	11 to 20 lbs.	21 to 40 lbs.	41 to 80 lbs.	81 to 100 lbs.	101 to 125 lbs.	126 to 150 lbs.	151 to 200 lbs.	201 to 250 lbs.
1 to 50 miles	RS. A. 0 3	RS. A. 0 5	RS. A. 0 6	RS. A. 0 9	RS. A. 0 12	RS. A. 0 15	RS. A. 1 2	RS. A. 1 8	RS. A. 2 0
51 to 100 "	0 5	0 6	0 8	0 12	0 15	1 2	1 5	1 14	2 7
101 to 200 "	0 8	0 9	0 12	1 2	1 4	1 7	1 10	2 7	3 0
201 to 300 "	0 9	0 12	0 15	1 5	1 8	1 11	1 14	3 0	3 11
301 to 400 "	0 11	0 15	1 2	1 8	1 13	2 0	2 2	3 9	4 4

Packages weighing more than 250 lbs. to be charged for in proportion to the rates for 250 lbs.

For Passengers' Luggage.

First Class	82 lbs. free.
Second "	25 " "
Third "	15 " "

All luggage in excess of these quantities (whether in the owner's charge or not) 2 Pies per 82 lbs. per mile.

For Horses, Carriages, and Dogs.

One Horse	1 1/2 Annas per mile.
Two Horses (if one property)	2 1/2 " per "
Three do. (do.)	3 " per "
Four-wheeled carriage	2 1/2 " per "
Two do.	1 1/2 " per "
Palanquin do.	1 " per "

Dogs.

	RS.	A.	P.
1 to 50 miles	0	8	0 each.
51 to 100 "	1	0	0 "
101 to 150 "	1	4	0 "
151 to 200 "	1	8	0 "
201 to 250 "	1	12	0 "
251 to 300 "	2	0	0 "
301 to 350 "	2	4	0 "
351 to 400 "	2	8	0 "

Proceedings of the Madras Government, Public Works Department,
6th March 1873.

No. 140.

ORDER THEREON, 6th March 1873, No. 722.

RAILWAY, No. 15.

ORDERED that this review be forwarded to the Government of India.

(True Extract.)

(Signed) G. W. WALKER, Colonel, R.E.,

Secretary to Government.

No. 141.

(DOCKET No. 723, dated 6th March 1873.)

COPY of the above forwarded to the Government of India.

(True Extract.)

Colonel, R.E.,

Secretary to Government.

Exd. E. C. Shunker.

Troops and Police - Troops. - Officers on duty pay second-class fare for first class accommodation, and Non-commissioned Officers and Soldiers travel second class on payment of the lowest fare.

Police. - Policemen are conveyed on payment of the ordinary fares.

Special Trains. - Special trains are run at a charge of 3 Rupees a mile when consisting of an engine, a carriage, and brake-van only. When more accommodation than this is required, the extra passengers are conveyed at ordinary fares.

Cattle. - Cattle sent singly will be charged for at the rate of $1\frac{1}{2}$ annas per mile. Sheep in waggon loads of fifty or any less number, and cattle for slaughter in waggon loads of eight or less any number, will be conveyed as under:-

Per

Per Truck per Mile.

From	to	Per Truck per Mile.	Rs.	A.	P.
1	to 50 miles		0	2	6
do	51 to 100 "		0	2	3
do	101 to 150 "		0	2	0
do	151 miles and upwards.		0	1	9

Sheep sent singly are charged for at the rate of 8 Annas for distances not exceeding 50 miles, 1 Papee for distances from 51 to 100 miles, and 4 Annas additional for every 50 miles or portion of 50 miles above 100 miles. Dealers' horses are conveyed in waggons by "Goods" train at 3 Annas per mile per truck load of five or any less number.

List of Madras Railway Rates and Distances from Erode Station.

For Goods.

In "Great Southern of India Railway" and "Madras Railway Classification of Goods".

For

For Parcels.

37

Distance.	10 lbs and under	11 to 20 lbs	21 to 40 lbs	41 to 60 lbs	61 to 100 lbs	101 to 125 lbs	126 to 150 lbs	151 to 200 lbs	201 to 250 lbs
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
1 to 50 miles	0 4 0	0 6 0	0 8 0	0 12 0	1 2 1	1 8 1	1 14 2	2 4 2	2 10 10
51 to 100 "	0 6 0	0 9 0	0 12 0	1 2 1	1 10 2	2 2 2	2 10 3	3 2 3	3 10 10
101 to 150 "	0 8 0	0 12 0	1 0 1	1 8 2	2 2 2	2 12 3	3 6 4	4 0 4	4 10 10
151 to 200 "	0 10 0	0 15 1	1 4 1	1 14 2	2 10 3	3 6 4	4 2 4	4 14 5	5 10 10
201 to 250 "	0 12 1	0 2 1	0 8 2	2 4 3	2 4 0	4 0 4	4 14 5	5 12 6	6 10 10
251 to 300 "	0 14 1	0 5 1	0 12 2	2 10 3	3 10 4	4 10 5	5 10 6	6 10 7	7 10 10
301 to 350 "	0 1 0	1 8 2	0 3 0	4 2 5	4 6 6	7 8 8	8 10 10		
351 to 400 "	1 2 1	1 12 4	3 6 4	10 5 14	7 2 8	6 9 10			

For Ice, Fish, Meat, and Vegetables.

Distance.	10 lbs and under	11 to 20 lbs	21 to 40 lbs	41 to 60 lbs	61 to 100 lbs	101 to 125 lbs	126 to 150 lbs	151 to 200 lbs	201 to 250 lbs
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
1 to 50 miles	0 3 0	0 5 0	0 6 0	0 9 0	0 12 0	0 15 1	1 2 1	1 8 2	0 2 0
51 to 100 "	0 5 0	0 6 0	0 8 0	0 12 0	0 15 1	1 2 1	1 5 1	1 14 2	7 3 0
101 to 200 "	0 8 0	0 9 0	0 12 1	2 1 4	1 7 1	1 10 2	7 3 0		
201 to 300 "	0 9 0	0 12 0	0 15 1	1 5 1	1 8 1	1 11 1	14 3 0	3 11	
301 to 400 "	0 11 0	0 15 1	2 1 8	1 13 2	0 2 2	3 9 4	4 4		

Packages weighing more than 250 lbs to be charged for in proportion to the rates for 250 lbs.

For Passengers' Luggage.

First class.	82 lbs free
Second "	25 " "
Third "	15 " "

All luggage in excess of these quantities
(whether in the owner's charge or not) 2 Pies
per 82 lbs per mile.

Per Horses, Carriages, and Dogs.

1 Horse. _____ $1\frac{1}{2}$ Annas per mile.
2 Horses (if one properly) _____ $2\frac{1}{4}$ " per "
3 Horses (do) _____ 3 " per "
Four-wheeled carriage. _____ $2\frac{1}{2}$ " per "
Two " " _____ $1\frac{1}{2}$ " per "
Palanquin " _____ 1 " per "

Dogs.

Rs. A. P.

	Rs.	A.	P.	each
1 to 50 miles _____	0	8	0	each
51 to 100 " _____	1	0	0	"
101 to 150 " _____	1	4	0	"
151 to 200 " _____	1	8	0	"
201 to 250 " _____	1	12	0	"
251 to 300 " _____	2	0	0	"
301 to 350 " _____	2	4	0	"
351 to 400 " _____	2	8	0	"

P. M. 18/73.

TABLE A.—(Continued.)

HAUWAH.	Passenger.	Goods.	Mixed.	Total.
Number of Trains run for public traffic	"	"	1,301	1,301
Train mileage (D. I, 1, page 7)	"	"	121,158	121,158
Gross ton mileage (M. I, 221, page 15)	"	"	21,485,633	21,485,633

AVERAGE COMPOSITION OF TRAINS.	AVERAGE NUMBER OF VEHICLES.			AVERAGE NUMBER OF SEATS PER VEHICLE.		AVERAGE WEIGHT OF TRAINS.	
	Passenger trains.	Goods trains.	Mixed trains.	Provided.	Used.	Freight or live load.	Dead load, exclusive of Engine and Tender, and Brakes.
PASSENGER	1st Class	"	"	0.443	23.374	0.882	Tons.
	2nd "	"	"	0.575	37.589	2.990	Tons.
	3rd "	"	"	4.642	49.755	23.947	7.334
	4th "	"	"	"	"	"	37.791
	Others (including Brakes)	"	"	1.175	"	"	
GOODS							
TOTAL							

Goods. (Vehicles of all kinds including brakes)	8.501	23.614	48.202
	15.336	22.948	65.998

(N. B.—For average load per vehicle, see page . . .)

OPEN MILEAGE ON '30'				TOTAL LENGTH OF THE FOLLOW- ING GRADIENTS:—										STEEPEST GRADIENTS WORKED BY				
June 1872.		Mean number of stations worked.	Average number of stations main- tained.	Capital expended on open mileage, inclusive of Rolling Stock.	Cost per mile open.	1 100 and less.			1 101 to 1 200			1 201 to 1 300			Fixed power.		Locomotives.	
Single.	Double.					Total.	M. Ch.	M. Ch.	M. Ch.	M. Ch.	M. Ch.	M. Ch.	Length.	Inclina- tion.	Length.	Inclina- tion.		
				2	2													
				138,510.2	82.45	3-46	9-11	11-58	ch'd	ch'd	1.00	1 mi 100						
														</				

Great Southern of India Railway.

TABLE A.

GENERAL STATEMENT OF Working of half-year ending 30 June 1932.

TRAFFIC.		PASSENGERS OR TONS OF GOODS CARRIED.		EARNINGS.		Percentage of total earnings contributed by each description of traffic.	
		Number.	Per cent. of total number and total tonnage.	Amount.	Per cent. of total earnings from Coaching and from Goods.		
COACHING	1st-Class	797	18	Ra. 4431	202	55.11	
	2nd "	4,946	1.6	5,204	237		
	3rd "	423,197	98.67	198,712	9048		
	4th "						
	Miscellaneous earnings			11,275	5.13		
	TOTAL ...	428,940	100.0	219,622	100.0		
GOODS	Special	19,228	36.30	31,409	18.28	43.11	
	1st-Class	25,610	48.35	87,319	50.82		
	2nd "	4,971	9.39	26,327	15.32		
	3rd "	22,67	4.28	16,483	9.59		
	4th "	372	0.71	4,683	2.73		
	5th "	229	0.43	4,446	2.59		
	Government Stores	50	0.09	354	0.21		
	Railway Materials	238	0.45	519	0.30		
	Minerals						
	Miscellaneous earnings			275	0.16		
		Total ...	52,965	100.0	171,815		100.0
					7107		
	Miscellaneous, including electric telegraph, and sundries.	Grand Total ...			398,538		
Less outstanding irrecoverable ...							
	Grand Total ...			398,538		100.0	

FINANCIAL RESULTS.		COACHING.		GOODS.		TOTAL (INCLUDING MISCELLANEOUS EARNINGS) AND LESS IRRECOVERABLE OUTSTANDINGS.				Percentage of profits on paid up Capital.
	Total.	Per passenger train mile.	Total.	Per open mile per week.	Per goods train mile.	Per open mile per week.	Total.	Per total train mile.	Per open mile per week.	
Earnings	2,19,622	123.0	17,1815	39.3	1.4.8	39.3	298,538	3.4.7	91.2	0.95
Expenses (M II., page 14.)	99,790	0.13.2	157,806	35.4	1.4.5	35.4	254,590	2.1.7	58.3	
Profits	1,19,832	0.15.10	17,009	3.9	0.2.3	3.9	143,942	1.3.0	32.9	
Percentage of expenses to earnings	45.437	"	90.100	"	"	"	63.882	"	"	

N. B.—Where "ton mileage" is mentioned, it invariably refers to the total ton mileage (Table M. I., 22, page 13). These divisions include mixed train mileage, which is obtained by dividing the total number of Passenger vehicles miles run in mixed trains, by the average number of vehicles in a Passenger train, and the total number of goods vehicle miles in such trains by the average number of vehicles in a Goods train.

A similar process will enable composite vehicles to be represented in terms of the vehicles of each class by taking into consideration the number of compartments of each class in such composite vehicles. Thus, a carriage containing one 1st and two 2nd Class compartments is reckoned as $\frac{1}{3}$ of a 1st Class carriage and $\frac{2}{3}$ of a 2nd Class carriage. Vehicles of which a portion is given up to Post Office purposes, are to be treated in the same way.

All luggage in excess of these quantities (whether in the summer's charge or not) 2 Pies

All bus

3

TABLE B.
Statement showing in comparison the Coaching Traffic of the half-years ending 30 June 1971
and 30 June 1972

REFERENCE TO REVENUE ACCOUNT.	DETAILS	NUMBER.		FARE PER MILE.		RECEIPTS.		AVERAGE MILEAGE.	
		1st half 1971.	1st half 1972.	1st half 1971.	1st half 1972.	1st half 1971.	1st half 1972.	1st half 1971.	1st half 1972.
X. (H.) 1. ...	1st CLASS PASSENGERS—								
	Single Journey ...	649	755			3443	4128	"	59
	Excess Fares ...	25				57	165	"	"
	Return Journey ...	"	42	18	18	"	138	"	70
	Troops and Police ...	1				6	"	"	"
1 ...	Total ...	650	797			3536	4431	58	59.5
	Season tickets ...	1				100	"	"	"
	2nd CLASS—								
	Single Journey ...	4260	3816			5335	4421	"	45
	Excess Fares ...	229				112	136	"	"
1 ...	Return Journey ...		1070	5.5		"	474	"	32
	Troops and Police ...	37	57				76	125	"
	Total ...	4297	4945				5522	5154	42.1
	Season tickets ...	"	1				"	50	"
	3rd CLASS—								
1 ...	Single Journey ...	352516	365013			178395	184384	"	32
	Excess Fares ...	460				203	269	"	"
	Return Journey ...	40694	56116	3	3	8659	11745	"	29
	Troops and Police ...	1509	2088			1458	2316	"	"
	Total ...	394719	423197				188715	198712	31.8
1 ...	Season tickets ...	"	"			"	"	"	"
	Season tickets ...	"	"			"	"	"	"

55

TABLE B.—(Continued.)
Statement showing in comparison the Coaching Traffic of the half-years ending 30th June 1871
and 30th June 1872.

REFERENCE TO REVENUE ACCOUNT.	DETAILS.	NUMBER.		FARE PER MILE.		RECEIPTS.		AVERAGE NUMBER.
		1 st half, 1871.	1 st half, 1872.	1 st half, 1871.	1 st half, 1872.	1 st half, 1871.	1 st half, 1872.	1 st half, 1872.
1 ...	4 TH CLASS— Single Journey ... Excess Fare ... Return Journey ... Troops and Police ...	"	"	"	"	"	"	"
2 ...	PASSENGERS' LUGGAGE Season tickets ... Total...	7,293 Tons.	6,194 Tons.	2 1/2 pence per ton	1821	1902	97	74
3 ...	MILITARY BAGGAGE ...	"	90	"	"	29	"	86
4 ...	Public ... Carriages ... Horses ... Dogs ...	110 No.	121 No.	10d. 6.1	291	329	28	72
5 ...	MILITARY ... Carriages ... Horses ... Dogs ...	308 Tons.	291 Tons.	10d. 6.1	1924	1085	100	83
6 ...	PARCELS...	"	10,410	"	5525	1102	"	61
7 ...	SPECIAL TRAINS ...	No.	No.	"	4,914	4244	"	"
8 ...	Post Office— Haulage and hire of Post Office vehicles ... Special Trains ... Parcels ...	"	93 hours & 60 miles.	"	15353	11245	"	64
8 ...	Grand Total ...	"	"	"	243,226	219,602	"	"

TABLE C-(1).
Comparative Statement showing the weight and earnings of the principal commodities carried during the above half-year.

DESCRIPTION.	QUANTITY.		RECEIPTS.		Increase in Quantity.	Decrease in Quantity.	Decrease in Receipts.	Decrease in Receipts.
	1 st half, 1871.	1 st half, 1872.	1 st half, 1871.	1 st half, 1872.				
<i>Greenbacks</i>	Tons.	Tons.	Rs.	Rs.	Tons.	Tons.	Rs.	Rs.
<i>Cattle</i>	1060	1679	11977	5360	619	"	383	"
<i>Heavy draught</i>	1262	1051	6110	5098	"	211	"	1012
<i>Light draught</i>	1166	1532	5117	7090	1056	"	1973	"
<i>Of various kinds</i>	561	2308	5630	11808	1747	"	6178	"
<i>Of various kinds</i>	11923	13039	26577	34069	"	1884	"	2508
<i>Granite slabs</i>	13331	15909	19632	17359	2578	"	"	2273
<i>Wiles</i>	305	119	6355	7896	114	"	1541	"
<i>Oil and grease</i>	335	1360	5812	7117	1025	"	1335	"
<i>Oil cakes</i>	2819	1511	6801	6648	"	1308	"	153
<i>Wool</i>	6151	7177	18402	32886	1026	"	11478	"
<i>And of all kinds</i>	1181	1394	11568	12370	213	"	802	"
<i>And of all kinds</i>	3163	5170	14867	20020	1713	"	5159	"
<i>Tobacco</i>	138	152	3411	3276	14	"	"	111
Total...	46025	52727	145259	171021	10105	3403	31819	6087

TABLE D.
Statement of mileage maintained from Revenue Funds.

REFERENCE TO REVENUE ACCOUNT.		DETAILS.		1 st HALF OF 1871.		1 st HALF OF 1872.	
Table and main-head.	Sub-head.			Depart. naturally.	By Con. tract.	Total.	Total Increase.
IX. (A.)	...	1. Mean miles of line maintained ...	{ Single ...	168	"	168	"
		2. " " " Double ...	{ Double ...	"	"	"	"
		3. " " " Total ...	{ Total ...	168	"	168	"
		4. " " Sidings maintained, Total.		13 3/8	"	13 3/4	"
		5. " " Single Track Total includ- ing Sidings ...		181 7/8	"	181 1/4	"
							5/8

TABLE D-I.
Statement of Train Mileage.

DETAILS.	TRAIN MILES RUN FOR			HOURS OF			
	Traffic Department.	Locomotive Department.	Maintenance Department.	Assisting Engines.	Shunting, Piloting, &c.	Miscellaneous Services.	
Reference to Revenue Account.	XIV. 1.	XIV. 2.	XIV. 3.	XIV. 4.	XIV. 5.	XIV. 6.	
1 1/2 half, 1871.	121801	"	3698	"	11991-54	1199-38	
2 1/2 half, 1872.	121801	"	3698	"	4991-54	1199-38	
3 Increase in 1872.	121158	47	1104	1-35	5156-45	1216-5	
4 Decrease in 1872.	121158	47	1104	1-35	5156-45	1216-6	
	643	47	406	1-35	164-51	16-27	
	643	47	406	1-35	164-51	16-27	
	643	"	"	"	"	"	
	643	"	"	"	"	"	

* The division between Passenger, Goods and Mixed Trains need only be carried out, unless desired for local purposes, in the Train mileage run for the Traffic Department, which is the Train mileage to be used for the purposes of calculation.

TABLE F.
MAINTENANCE of Way, Works, and Stations.

REFERENCE TO REVENUE ACCOUNT.		1 st HALF OF 1872.	
Table and Main head.	Sub-head.	Total.	Increase. Decrease.
XIV. ...	Train Mileage run for Traffic Dep. D. I xiv. I. ...	121801	12458 "
	Ton Mileage do. do. M. I. ...	216564	248533 "
			45032

DETAILS.	1 st HALF OF 1871.	1 st HALF OF 1872.		Per mile of line maintained. D. 3.	Per mile of track including sidings. D. 5.	Per Train Mile.	Per 1000 Ton Miles.		
	Total.	Total.	Increase. Decrease.						
SUPERINTENDENCE—	Rs.	Rs.	Rs.	Rs.	Rs.	As.	Rs.		
	1 & 2 Engineers' salaries & allowances.	3294	10372	7078	"	67738	57228	1970	0.463
	3 to 5 Inspectors' and Plate-layers' salaries and allowances, including overtime	4953	3594	"	1363	21364	19887	0.474	0.167
	6 Office expenses	2109	2494	385	"	14612	15738	0.329	0.116
	MAINTENANCE AND RENEWALS OF PERMANENT WAY—								
	1 Wages	20861	20375	514	"	121284	112446	2694	0.948
2 Materials	21735	20260	14458	"	140651	120589	8722	1.100	
Repairs of Bridges, &c., WAGES AND MATERIALS—									
	1 Bridges and Tunnels	15	267	252	"	1589	1473	0.005	0.012
2 Miscellaneous	659	976	317	"	5810	5385	0.129	0.045	
Repairs of Stations and Buildings: WAGES AND MATERIALS—									
	1 Repairs of all except Staff Quarters	2034	7181	4547	"	42744	39649	0.748	0.334
2 Repairs of Staff Quarters	262	266	4	"	1583	1460	0.035	0.012	
MAINTENANCE BY CONTRACT—									
UNCLASSIFIED EXPENDITURE—									
1 Plantations	2007	"	2007	"	"	"	"	"	"
2 Tools and Plant	126	338	212	"	2012	1866	0.044	0.016	
3 Loss on Stores, &c.	112	9	133	0053	0.049	0.007	0.001		
Total	45044	69497	27566	3513	415613	383424	9177	3.234	

IF DONE DEPARTMENTALLY.

If done DEPARTMENTALLY.

IX. (A.) 1.

9

TABLE E-I.
MAINTENANCE of Way.
RAILS.

DETAILS.		Double-headed to 1875.		Bridge		Flat graded		Other		Total.
Miles of rail in way, including sidings (miles and decimals of a mile)	M. Ya.	M. Ya.	M. Ya.	M. Ya.	M. Ya.	M. Ya.	M. Ya.	M. Ya.	M. Ya.	362.5
Average age of rails in way at the middle of the half-year (years and decimals of a year)	7.5									7.5
3 Rails inverted { Number	1145									1145
Miles (and decimals of a mile)	2.28									2.28
4 Proportion inverted per mile of (1) rail	3.16									3.16
5 Rails renewed { Number	87									87
Miles (and decimals of a mile)	0.173									0.173
6 Proportion renewed per mile of (1) rail	0.24									0.24
7 Average number of tons hauled over each kind of rail in the half-year	127890									127890
8 Thousands of tons hauled on an average over each kind of rail during the average age of rails in way (2)...	2,53000									* 2,153,000

N.B.—One of the objects of this Table is to endeavour to ascertain the relation between the lives of different kinds of rails and the duty done by them. Other Tables show the speed of trains and the greatest weight brought on any point of the rails. By an accurate record of these facts, it is hoped that useful deductions may be made. The average age of the rails in the way (2) must be, in the first instance, calculated by noting the dates on which the different lengths of line were opened and the subsequent renewals of each kind of rail in each half-year, supposing the latter to have taken place in the middle of each half-year. After this has once been ascertained, the entries for future periods can be easily calculated. The entries for the different kinds of rails under (7) will agree or vary according as the train service over the line is uniform or not. Where the record of ton-mileage is kept in districts, the absolute facts are available. Where this is not done, but the traffic is nevertheless variable, the weight hauled over any part of the line can be approximately found by noting the number of trains that have been run on it, and multiplying this by the average gross weight of a train including the engine and tender. The average of these district results will give the general figures for each kind of rail. The entries under (8) will be the sums of the weights recorded for the immediately preceding half-years.

* Approximately.

TABLE E-II.
MAINTENANCE of Way.
SLEEPERS.

DETAILS.	Sleepers of all descriptions		Total.		Sleepers laid	
Number.	No.	Ya.	No.	Ya.	No.	Ya.
1 Number of sleepers in way, including sidings ...	142,20				174,020	
2 Average age of sleepers in way at the middle of half-year (years and decimals of a year) ...	10.5				4.75	
3 Number renewed ...	26053				18.5	
4 Ditto per cent. of (1).	18.3317				0.01063	

* Since receipt by Store Department.

TABLE F.
Locomotive Department Expenses.

REFERENCE TO REVENUE ACCOUNT.		1 st HALF OF 1871.		1 st HALF OF 1872.			
Table and Main head.	Sub- head.	Total.	Total.	Increase.	Decrease.		
XIV.	...	Train Mileage (D. 2, I. p. 7)	...	121,801	121,558	"	643
		Ton Mileage (M. I. 22, p. 16)	...	2,632,685 248 5633	"	"	145,052
DETAILS.							
GENERAL SUPERINTENDENCE—		Rs.	Rs.	Rs.	Rs.	A.	R.
1 & 2	Salaries of Locomotive Superintendents and Assistants, including allowances.	2565	4,309	1744	-	0.5782200	-
3 to 5	Ditto of Foremen, including allowances and overtime	8155	10,291	2136	-	1.3390479	-
6	Office Expenses	2725	4,030	1,355	-	0.3390490	-
1 & 2	RUNNING EXPENSES—						
1 & 2	Wages of Drivers and Firemen, including overtime	16,148	14,816	"	1333	1.978690	-
3	Fuelling, cleaning, and looking after Engines	1720	1105	-	615	0.166067	-
4	Contingent Expenses	-	990	990	-	0.120046	-
1	FUEL—						
1	Coal	18,497	19,370	1323	-	2.5580402	-
2	Coke	-	-	-	-	-	-
3	Patent Fuel	11,532	15,261	3729	-	2.0620710	-
4	Wood	2864	4,220	"	1356	0.1610057	-
1, 2 & 3	WATER—	1,039	1,137	98	-	0.0390053	-
5	OIL, TALLOW, &c.—	1,594	1988	394	-	0.2620092	-
1 & 2	MAINTENANCE AND REPAIRS—						
1 & 2	Wages, including overtime	3,308	5,599	2,291	-	0.7390261	-
3	Materials	6,333	13,512	7179	-	1.7040629	-
...	SERVICES OF OTHER LINES—	"	"	"	"	"	"
...	UNCLASSIFIED EXPENDITURE—	"	"	"	"	"	"
TOTAL ...		76,000	93,677	22,239	3,592	12.374380	-
1		Coal consumed	770	893	-	-	-
2		Coke do.	-	-	77	16.570	-
3		Patent Fuel do.	534	704	170	13.916	-
4		Wood do.	585	239	346	4.418	-
XI. (B) 3							

11
TABLE F-I
Locomotive Power.

XII.	REFERENCE TO REVENUE ACCOUNT.		DESCRIPTION.	Passenger.	Goods Passenger.	Goods.	Tank.	TOTAL.
	Table and Main head.	Sub- head.						
			LOCOMOTIVES ... Wheels coupled ... Weight on driving axle. 9 tons. Total weight in steam, exclusive of tender ... 23½ tons.	4 Cnpls 9 tons. 23½ tons.	6 Cnpls 10 tons. 29½ tons.	4 Cnpls 9½ tons. 28 tons.	4 Cnpls 8 tons 15 tons	-
			1.—Number of Locomotives erected and made over to Locomotive Depart- ment ...	9	6	4	2	21
			2.—Average number of Locomotives con- stantly under repairs ...	2	1	"	"	3
			3.—Average number of Locomotives at work (1-2) ...	7	5	4	2	18
			4.—Train miles hauled by each class of Locomotives at work (3) ...	49,690	37,058	34,268	142	121,158
			5.—Average train miles hauled by each Locomotive at work (3) ...	7,078	7,411	8,567	71	23,127
			Per half-year ...	...	...	...	...	...
			Per day ...	82	86	96	-	127
			6.—Average speed between stations of trains ...	25 Mph. Through Mixed Trains per hour	18 Mph. Local Mixed Trains per hour	20 Mph. Through Mixed Trains per hour	15 Mph. Local Mixed Trains per hour	
			7.—Average through speed of trains ...	(Passenger ... Goods ... Mixed ...)	(Passenger ... Goods ... Mixed ...)	(Passenger ... Goods ... Mixed ...)	(Passenger ... Goods ... Mixed ...)	
			8.—Weight of coal, etc., used per train mile ...	218	302	219	101	2952
			9.—Weight of wood used—per train mile ...	27	30	25	74	442
			10.—Average gross weight of the trains hauled by each class of Locomotive.	8476	14016	9489	"	"

N, B—8, 9, and 10 are not absolutely prescribed as there may be at first some difficulty in furnishing the information for all lines; but the facts should be given if possible.

TABLE G.
Carriage and Wagon Expenses.

REFERENCE TO REVENUE ACCOUNT.		DETAILS.	1 st HALF OF 1871.		1 st HALF OF 1872.			Cost per Train Mile.	Cost per 1,000 Vehicle Miles.	
Table and Main head.	Sub- head.		Total.	Total.	Total.	Increase.	Decrease.			
XIV.	...	Train mileage run for Traffic Dept. (Dt. XIV. I.)	121,801	121,158	643					
		Vehicle mileage. run for Traffic Dept.								
		Coaching (M. I. 8,)	772,026	767,838	4,188					
		Goods (M. I. 14,)	1,079,466	1,029,508	49,958					
		Total	1,851,492	1,797,346	54,146					
1 st HALF OF 1872.										
			1 st HALF OF 1871.							
			Total.	Total.	Increase.	Decrease.				
GENERAL SUPERINTENDENCE—			RS.	RS.	RS.	RS.	RS.	RS.		
IX. (C) 1	1 & 2	Salaries of Superintendents and allowances	346	760	414		0.102	0.423		
		Salaries of Foremen and allow- ances, including overtime	835	1,666	831		0.220	0.927		
		Office expenses	...	674	34		0.089	0.375		
		REPAIRS AND RENEWALS OF VEHICLES AND MACHINERY—	357							
1 to 3		COACHING VEHICLES.	Wages, including overtime.	1313	2155	842		0.285	1.093	
			Materials	4,684	5076	392		0.670	4.930	
	1 CLEANING AND OILING—									
	2 Labour, including wages of oilers, &c.		744	1373	629		0.181	0.764		
3 Stores	1,205		1,214	9		0.160	0.675			
UNCLASSIFIED EXPENDITURE—	1,319			1,319						
TOTAL ...			1,3115	17,239	5,543	1319	2.289	9.647		

The vehicle mileage is defined (Table M. I.) as that of all vehicles running on the line. The cost of repairs and maintenance of the home mileage of foreign vehicles, (a) and (b) should be shown in the foreign lines. If this is not done, the cost of repairs and maintenance of the home mileage of foreign vehicles should be added to the foreign lines.

3755 1000 Coaching
1000 Goods
4976
1000 Goods
4930

The vehicle mileage is defined (Table M. I.) as that of all vehicles running on the line. The cost of repairs and renewals will, however, depend on the mileage of home vehicles whether running on the parent line or on foreign lines. If this foreign mileage of home vehicles is greatly in excess of lines, and this vehicle mileage should be stated. The cost of repairs and renewals will, however, depend on the mileage of home vehicles whether running on the parent line or on foreign lines. If this foreign mileage of home vehicles is greatly in excess of lines, and this vehicle mileage should be stated.

71

71

95

14.
TABLE J.
General Charges.

REFERENCE TO REVENUE ACCOUNT.	DETAILS.	1st HALF OF 1871.		1st HALF OF 1872.			
		Total.	Total.	Increase.	Decrease.	Cost per Train Mile.	
Table and Main head.	Sub-head.						
IX. (E) 1	HOME EXPENDITURE	Rs. 7970	Rs. 12841	Rs. 2631	Rs. ..	As. 1-400	
	INDIAN MANAGEMENT—						
	1 Agent's Office, including travelling and other allowances	10570	13946	3370	..	1-841	
	2 Auditor's Office ditto	..	..	..	..	..	
	3 Account's Office ditto	..	..	..	..	..	
	4 Pay Master's Office ditto	..	..	..	..	..	
	5 Store Department ditto	4703	4022	2319	..	0-331	
	6 Medical Department ditto	..	1328	1328	..	0-175	
	7 Rents	..	..	..	..	..	
	8.10 Contingencies, Stationery and Medicine	632	1167	535	..	0-154	
Police (Total Charges)		37	93	56	..	0-012	
ADVERTISING		..	..	..	..	..	
ELECTRIC TELEGRAPH—		..	..	..	..	..	
Salaries, &c.		3457	2927	..	530	0-387	
Maintenance (labour and Stores)		217	13	..	214	0-002	
CLEARING ACCOUNTS WITH OTHER LINES		..	..	..	..	..	
UNCLASSIFIED EXPENDITURE		..	..	..	..	..	
Loss on Stores		..	..	..	..	..	
TOTAL		24586	34091	10239	734	4-502	

TABLE K.
Steam Boat Service.

REFERENCE TO REVENUE ACCOUNT.		DETAILS.	1 st HALF OF 1871.		2 ^d HALF OF 1872.	
Table and Main head.	Sub-head.		Total.	Increase.	Total.	Decrease.
IX/3/1		Working Vessels				
2		Repairs				
3		Fuel				
4		Miscellaneous Stores				
5		Steam Traffic Agencies				
6		Unclassified Expenditure				
		TOTAL				

TABLE L.
Special and Miscellaneous Expenditure.

IX. (G.) 1	...	LAW CHARGES	...	Rs.	Rs.	Rs.	Rs.
		COMPENSATION	...				
	1	For goods lost or damaged	...	97	777	680	
	2	Personal Injury	...	-	"	"	
	3	For other claims	...	-	"	"	
	...	RATES AND TAXES—	...	3506	537	"	2969
		CONTRIBUTIONS TO SPECIAL FUNDS—	...				
	1	Fire Insurance Fund	...	5000	5000	"	
	2	P. W. Renewal Fund	...	-	"	"	
	3	Casualty Fund	...	-	"	"	
		TOTAL	...	8715	6317	680	3078

ANALYSIS OF CARRYING COST.

Definitions.

The unit of passenger traffic	is—1 passenger plus free luggage.
" " carriages	is—1 carriage.
" " horses	is—1 horse.
" " luggage	is—1 ton.
" " post-office vehicles	is—1 "
" " goods	is—1 "
" " cattle	is—1 "

TABLE M-I.
The approximate weight of units adopted in these calculations.

	Cwt.	Ton.
Coaching—		
1st-class Passenger with free luggage	1.75 = 0.0875	
2nd " "	1.75 = 0.0875	
3rd " "	1.25 = 0.0625	
4th " "	1.25 = 0.0625	
A carriage (average for two and four-wheeled)	6.75 = 0.3375	

Coaching—(Concl'd)

	Cwt.
A horse	8.75 = 0.4375
A dog	0.20 = 0.0100
<i>Goods—</i>	
A head of horned cattle	5.00 = 0.2500
A head of sheep, goats, etc.	0.50 = 0.0250

Data for calculating the incidence of carrying cost per unit per mile for each class of Passenger Traffic and for goods and Minerals.

Statement of carrying cost per unit per mile for each class of Passenger Traffic and for goods and Minerals.												
Details.		Total mileage of each description of Rolling Stock. (a)	Total mileage of units of traffic. (b)	AVERAGE CON- TENTS IN UNITS OF EACH VEHICLE		Average weight of Rolling Stock in Tons. (e)	Total average weight including contents of each Vehicle in Tons. (f)	Tons of Vehicles and freight per ton of freight. (g)	TON MILEAGE.		TOTAL TON MILEAGE.	
				No (c)	Weight in Tons. (d)				Of freight. (h)	Of dead weight (i)	Excluding Engines and Tenders and Brake Vans. (k)	Including Engines and Tenders and Brake Vans. (l)
1	COACHING—											
2	1st Class	53,732	47,430	0.882	0.077	7.289	7.366	95.368	4,150	391,656	395,806	
3	2nd "	69,628	208,240	2.990	0.261	7.937	8.198	31.327	18,221	552,680	570,901	
4	3rd "	562,358	13,461,106	23.947	1.496	5.544	7.040	4.705	841,319	3,117,984	3,959,303	
5	4th "	"	"	"	"	"	"	"	"	"	"	
6	Carriage Trucks	3,371	"	"	"	"	"	"	"	"	"	
7	Horse Boxes	18,514	4,296	1.274	0.430	5.859	5.489	12.762	1,449	17,057	18,506	
8	Luggage (including parcels & class Vans)	60,235	14,871	0.803	0.351	7.090	7.441	21.575	6,506	131,264	137,770	
9	Post Office Vehicles	"	16,832	0.279	0.279	6.110	6.389	22.837	16,852	368,036	384,888	
	Total	767,838	"	"	"	"	"	"	"	"	"	
10	Passenger Engines and Tenders	"	"	"	"	"	"	"	888,497	4,578,677	5,467,174	
	Passenger Brake Vans †	23,431	"	"	"	"	"	"	"	2,463,645	"	
11	Total Coaching Ton mileage	"	"	"	"	42,049	6,103	"	"	7,185,321	5,467,174	8,073,818

12	Goods Vehicles	1028.693	2.857.713	2.780	2.780	1.686	1.516	6.672	8.452	3.040	2.859.713	5.835.673	8.693.386
12A	Cattle Vans	815	2.857.713	2.780	2.780	1.686	1.516	6.672	8.452	3.040	2.859.713	5.835.673	8.693.386
13	Mineral Trucks \$	...	...	...	...	...	...	...	...	...	...	...	...
14	Total	1029.508	...	...	...	...	...	...	...	...	...	...	...
15	Goods Engines and Tenders	...	...	...	...	...	...	...	...	...	...	...	...
16	Goods Brakes	...	...	...	...	...	...	...	...	...	...	...	...
17	Total Goods Ton mileage	...	...	...	...	...	...	...	...	...	...	...	...
18	MISCELLANEOUS FOR STORES CARRIED FREE ON REVENUE ACCOUNT.	...	...	...	...	...	...	...	...	...	...	...	...
19	For Traffic Department	...	...	...	...	...	...	...	...	...	...	...	...
20	Locomotive Department	...	...	...	...	...	...	...	...	...	...	...	...
20A	Engineering Department	...	...	...	...	...	...	...	...	...	...	...	...
20B	Engines and Tenders	...	...	...	...	...	...	...	...	...	...	...	...
21	Brake Vans	...	...	...	...	...	...	...	...	...	...	...	...
22	Total Miscellaneous Ton mileage	...	...	...	...	...	...	...	...	...	...	...	...
23	Total Ton mileage	...	...	...	...	...	...	...	...	...	...	...	...

|| Mail carrying vehicles, whether specially constructed sorting carriages or not, are reckoned as Post Office Vehicles. When only portions of vehicles are used for carrying mails, the mileage is apportioned as directed in the foot-note to Table A.

† The average weight of the contents (including the Post Office servants) of a Post Office Vehicle is assumed on the best data available.

‡ Whenever Brake Vans are loaded with luggage or parcels, the results are included with No. 7 Luggage Vans. It will be incorporated with goods.

§ This is shown separately when minerals are carried entirely in special vehicles. If not so carried, it will be incorporated with goods.

(a) This includes the mileage of all vehicles, home and foreign, running on the line, and excludes the mileage of home vehicles on foreign lines.

(b) Taken from station to station returns, or, in default of these, arrived at by dividing the receipts from each class of traffic by the average rate or fare per unit per mile.

(c) or (d) = $\frac{a}{b} + \frac{c}{d}$

(d) is the ton mileage used for purposes of calculation in analysing expenditure of departments.

* Freight and haulage... 1269
24
Total 1293

Division between Coach and Goods of the Expenditure of Departments.

(a)	Total.	(c)	(d)	(e)	(f)
of repairs, etc., are kept separate for coaching and goods stock—oil and greasing and all joint items being divided in terms of the ton mileage ; (g) the expenses of the vehicle mileage (M.—L, 8, 14); (h) converted to passenger and goods train mileage, as directed in the foot-note to Table A	69,497	57,531	12,488	19,284	20,937
N.B.—When mixed, as well as passenger and goods trains are run, the division of (a) and (b) in this table is made in terms of the ton mileage (M.—L, 11, 17), and that of the other columns in terms of the vehicle mileage of coaching and goods respectively.	93,677	17,339	33,675	34,091	6,317

(a)	Divided in terms of the total ton mileage of repairs, etc., are kept separate for coach- and goods stock—oil and greasing and all other items are divided in terms of the ton mileage; and (g) converted to passenger and goods train mileage, as directed in the foot-note to Table A	69497	27331	12488	27207	22707	-	3800	134,806
(b)	divided in terms of the ton mileage; (c) the expenses of the vehicle mileage (M.—L, 8, 14); (d) to be divided in terms of the ton mileage; and (e) divided in terms of the train mileage.	92677	17339	33,675	34,091	-	6,317	257,596	

Distributed Cost of carrying

[illegible]

31

139.
P. 838/73.
P. 6. hand/73 B.

Great Southern of India Railway.
CAPITAL AND REVENUE ACCOUNTS FOR THE HALF YEAR ENDING 30TH JUNE 1872.
PART I.

No. I.—Statement of Capital Authorized and Created by the Company.

ACT OF PARLIAMENT.	CAPITAL AUTHORIZED.			CAPITAL CREATED OR SANCTIONED.			BALANCE.		
	Stock and Shares.	Loans.	Total.	Stock and Shares.	Loans.	Total.	Stock and Shares.	Loans.	Total.
Great Southern of India Railway Act 21 and 22 Vic. cap. 138, 2nd August 1858.	£ 3,000,000	£ 996,666	£ 3,996,666	£ 2,353,900	£ 596,100	£ 2,950,000	£ 646,100	£ 400,566	£ 1,046,666
Do do Amendment Act 23 Vic. cap. 49, 15th May 1860.									

14
81

No. III.—CAPITAL raised by Loans and Debenture Stock.

Total Authorized to be raised by Loans and by Debenture Stock in respect			
of Share Capital created as per Statement No. 1	...	...	£ 596,100
Total raised by Loans and Debenture Stock as above...	...	...	422,500
Balance being available borrowing powers at 30th June 1872	...	...	£ 103,600

Dr.

Amount expended up to 31st December 1871.		Amount expended during the half year.		Total.		Amount received to 31st December 1871.		Amount received during the half year.		Total.	
£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.
To Expenditure (per Form No. 5)											
Lines Open for Traffic	1,287,607	8 10	Cr. 85 14 3	1,287,521	14 7						
do in course of Construction	26,074	12 10	9 36 1 8	35,436	10						
Working Stock	97,110	19 10	469 3	97,580	2 10					2,342,208	...
	1,410,793	1 6	9 74 16	1,420,537	18 3			512,800	...	492,500	...
	...	...	...	1,450,170	1 9			36,000	...	36,000	...
To Balance											
				2,870,708	...					2,870,708	...

No. V.—Details of CAPITAL Expenditure for the half year.

LINES OPEN FOR TRAFFIC...							
VIII ROLLING STOCK.							5,118
2 CARRIAGE & WAGON STOCK ..						5,118	
10 tons Salt Vans .	5,118						
Less value of old material &c. sold & credited to Construc- tion works							935
TOTAL EXPENDITURE ON LINES OPEN FOR TRAFFIC.							4,182 15 1
LINES UNDER CONSTRUCTION SOUTHERN EXTENSION.							1,02,124 6 1
I PRELIMINARY EXPENSES.						21,126 11 5	
III CONSTRUCTION OF LINE..						12,867 3 9	
1 EARTHWORK				4,923	1		
2 BRIDGEWORK				7,944	2	9	
I Minor Bridges Culverts &c.	7,179	15					
II Large Bridges	764	3	9				
Dist. No 1. 3 m. 43 ch. Rs. 400 9 2							
" 7. 5 " 13 " " 321 11 11							
" 14. 5 " 9 " " 41 14 8							
V STATIONS AND BUILDINGS.						14,282 4 3	
1 STATIONS AND OFFICES				5,569	6	9	
Trichinopoly Station	5,319	8	1				
Dindigul do	61	4	2				
Madura do	188	10	6				
2 WORKSHOPS * STORE BUILD- INGS &c.				3,636	9	6	
Temporary Stores and Work- shops Trichinopoly							
3 STAFF QUARTERS				5,076	4		
Engineers Temporary Bunga- lows							
VII PLANT						14,756 14 2	
1 ENGINEERING				10,136	1	5	
4 STATION & OFFICE FURNITURE.				4,620	12	9	
X ESTABLISHMENTS.						36,991 12 11	
1 DIRECTION (INCLUDING AUDIT AND ACCOUNTS)				20,744	9		
2 ENGINEERING				13,984	10		
5 STORES				2,262	9	11	
XI CONTINGENCIES.						2,099 7 7	
1 DIRECTION (INCLUDING AUDIT AND ACCOUNTS)				590	12	6	
2 ENGINEERING				1,508	11	1	
Rupees .						1,06,307	5 2

No. VI.—Estimate of further Expenditure on CAPITAL account.

	During the half year ending 31st December 1872.	In subsequent half years.	Total.
	Rs. "	Rs.	Rs.
Lines in course of Construction. Southern Extension ...	4,00,000	7,480,625	7,880,625
Working Stock	...	1,082,800	1,082,800
			8,963,425
		£	821,647

No: VII.—CAPITAL Powers and other assets available to meet further Expenditure as per account No. VI.

		£	s.	p.
Share and Loan Capital authorized or created but not yet received	...	1,161,958	...	...
Balance at credit of Capital Account (Form No. IV.)	...	1,450,170	1	9
	£	2,612,128	1	9

No. VIII.—REVENUE Account for the half year ending 30th June 1872.

Earnings added.		Amount.	Train Miles. Cost per train Mile.	Per centage of working expenses.	Per centage of Revenue.	1876-77 ended 30th June 1877. Train Miles 1,81,501.	1877-78 ended 30th June 1878. Train Miles 1,81,501.	1878-79 ended 30th June 1879. Train Miles 1,81,501.	1879-80 ended 30th June 1880. Train Miles 1,81,501.	1880-81 ended 30th June 1881. Train Miles 1,81,501.	1881-82 ended 30th June 1882. Train Miles 1,81,501.	1882-83 ended 30th June 1883. Train Miles 1,81,501.	1883-84 ended 30th June 1884. Train Miles 1,81,501.	1884-85 ended 30th June 1885. Train Miles 1,81,501.	1885-86 ended 30th June 1886. Train Miles 1,81,501.	1886-87 ended 30th June 1887. Train Miles 1,81,501.	1887-88 ended 30th June 1888. Train Miles 1,81,501.	1888-89 ended 30th June 1889. Train Miles 1,81,501.	1889-90 ended 30th June 1890. Train Miles 1,81,501.	1890-91 ended 30th June 1891. Train Miles 1,81,501.	1891-92 ended 30th June 1892. Train Miles 1,81,501.	1892-93 ended 30th June 1893. Train Miles 1,81,501.	1893-94 ended 30th June 1894. Train Miles 1,81,501.	1894-95 ended 30th June 1895. Train Miles 1,81,501.	1895-96 ended 30th June 1896. Train Miles 1,81,501.	1896-97 ended 30th June 1897. Train Miles 1,81,501.	1897-98 ended 30th June 1898. Train Miles 1,81,501.	1898-99 ended 30th June 1899. Train Miles 1,81,501.	1899-00 ended 30th June 1900. Train Miles 1,81,501.	1900-01 ended 30th June 1901. Train Miles 1,81,501.	1901-02 ended 30th June 1902. Train Miles 1,81,501.	1902-03 ended 30th June 1903. Train Miles 1,81,501.	1903-04 ended 30th June 1904. Train Miles 1,81,501.	1904-05 ended 30th June 1905. Train Miles 1,81,501.	1905-06 ended 30th June 1906. Train Miles 1,81,501.	1906-07 ended 30th June 1907. Train Miles 1,81,501.	1907-08 ended 30th June 1908. Train Miles 1,81,501.	1908-09 ended 30th June 1909. Train Miles 1,81,501.	1909-10 ended 30th June 1910. Train Miles 1,81,501.	1910-11 ended 30th June 1911. Train Miles 1,81,501.	1911-12 ended 30th June 1912. Train Miles 1,81,501.	1912-13 ended 30th June 1913. Train Miles 1,81,501.	1913-14 ended 30th June 1914. Train Miles 1,81,501.	1914-15 ended 30th June 1915. Train Miles 1,81,501.	1915-16 ended 30th June 1916. Train Miles 1,81,501.	1916-17 ended 30th June 1917. Train Miles 1,81,501.	1917-18 ended 30th June 1918. Train Miles 1,81,501.	1918-19 ended 30th June 1919. Train Miles 1,81,501.	1919-20 ended 30th June 1920. Train Miles 1,81,501.	1920-21 ended 30th June 1921. Train Miles 1,81,501.	1921-22 ended 30th June 1922. Train Miles 1,81,501.	1922-23 ended 30th June 1923. Train Miles 1,81,501.	1923-24 ended 30th June 1924. Train Miles 1,81,501.	1924-25 ended 30th June 1925. Train Miles 1,81,501.	1925-26 ended 30th June 1926. Train Miles 1,81,501.	1926-27 ended 30th June 1927. Train Miles 1,81,501.	1927-28 ended 30th June 1928. Train Miles 1,81,501.	1928-29 ended 30th June 1929. Train Miles 1,81,501.	1929-30 ended 30th June 1930. Train Miles 1,81,501.	1930-31 ended 30th June 1931. Train Miles 1,81,501.	1931-32 ended 30th June 1932. Train Miles 1,81,501.	1932-33 ended 30th June 1933. Train Miles 1,81,501.	1933-34 ended 30th June 1934. Train Miles 1,81,501.	1934-35 ended 30th June 1935. Train Miles 1,81,501.	1935-36 ended 30th June 1936. Train Miles 1,81,501.	1936-37 ended 30th June 1937. Train Miles 1,81,501.	1937-38 ended 30th June 1938. Train Miles 1,81,501.	1938-39 ended 30th June 1939. Train Miles 1,81,501.	1939-40 ended 30th June 1940. Train Miles 1,81,501.	1940-41 ended 30th June 1941. Train Miles 1,81,501.	1941-42 ended 30th June 1942. Train Miles 1,81,501.	1942-43 ended 30th June 1943. Train Miles 1,81,501.	1943-44 ended 30th June 1944. Train Miles 1,81,501.	1944-45 ended 30th June 1945. Train Miles 1,81,501.	1945-46 ended 30th June 1946. Train Miles 1,81,501.	1946-47 ended 30th June 1947. Train Miles 1,81,501.	1947-48 ended 30th June 1948. Train Miles 1,81,501.	1948-49 ended 30th June 1949. Train Miles 1,81,501.	1949-50 ended 30th June 1950. Train Miles 1,81,501.	1950-51 ended 30th June 1951. Train Miles 1,81,501.	1951-52 ended 30th June 1952. Train Miles 1,81,501.	1952-53 ended 30th June 1953. Train Miles 1,81,501.	1953-54 ended 30th June 1954. Train Miles 1,81,501.	1954-55 ended 30th June 1955. Train Miles 1,81,501.	1955-56 ended 30th June 1956. Train Miles 1,81,501.	1956-57 ended 30th June 1957. Train Miles 1,81,501.	1957-58 ended 30th June 1958. Train Miles 1,81,501.	1958-59 ended 30th June 1959. Train Miles 1,81,501.	1959-60 ended 30th June 1960. Train Miles 1,81,501.	1960-61 ended 30th June 1961. Train Miles 1,81,501.	1961-62 ended 30th June 1962. Train Miles 1,81,501.	1962-63 ended 30th June 1963. Train Miles 1,81,501.	1963-64 ended 30th June 1964. Train Miles 1,81,501.	1964-65 ended 30th June 1965. Train Miles 1,81,501.	1965-66 ended 30th June 1966. Train Miles 1,81,501.	1966-67 ended 30th June 1967. Train Miles 1,81,501.	1967-68 ended 30th June 1968. Train Miles 1,81,501.	1968-69 ended 30th June 1969. Train Miles 1,81,501.	1969-70 ended 30th June 1970. Train Miles 1,81,501.	1970-71 ended 30th June 1971. Train Miles 1,81,501.	1971-72 ended 30th June 1972. Train Miles 1,81,501.	1972-73 ended 30th June 1973. Train Miles 1,81,501.	1973-74 ended 30th June 1974. Train Miles 1,81,501.	1974-75 ended 30th June 1975. Train Miles 1,81,501.	1975-76 ended 30th June 1976. Train Miles 1,81,501.	1976-77 ended 30th June 1977. Train Miles 1,81,501.	1977-78 ended 30th June 1978. Train Miles 1,81,501.	1978-79 ended 30th June 1979. Train Miles 1,81,501.	1979-80 ended 30th June 1980. Train Miles 1,81,501.	1980-81 ended 30th June 1981. Train Miles 1,81,501.	1981-82 ended 30th June 1982. Train Miles 1,81,501.	1982-83 ended 30th June 1983. Train Miles 1,81,501.	1983-84 ended 30th June 1984. Train Miles 1,81,501.	1984-85 ended 30th June 1985. Train Miles 1,81,501.	1985-86 ended 30th June 1986. Train Miles 1,81,501.	1986-87 ended 30th June 1987. Train Miles 1,81,501.	1987-88 ended 30th June 1988. Train Miles 1,81,501.	1988-89 ended 30th June 1989. Train Miles 1,81,501.	1989-90 ended 30th June 1990. Train Miles 1,81,501.	1990-91 ended 30th June 1991. Train Miles 1,81,501.	1991-92 ended 30th June 1992. Train Miles 1,81,501.	1992-93 ended 30th June 1993. Train Miles 1,81,501.	1993-94 ended 30th June 1994. Train Miles 1,81,501.	1994-95 ended 30th June 1995. Train Miles 1,81,501.	1995-96 ended 30th June 1996. Train Miles 1,81,501.	1996-97 ended 30th June 1997. Train Miles 1,81,501.	1997-98 ended 30th June 1998. Train Miles 1,81,501.	1998-99 ended 30th June 1999. Train Miles 1,81,501.	1999-00 ended 30th June 2000. Train Miles 1,81,501.	2000-01 ended 30th June 2001. Train Miles 1,81,501.	2001-02 ended 30th June 2002. Train Miles 1,81,501.	2002-03 ended 30th June 2003. Train Miles 1,81,501.	2003-04 ended 30th June 2004. Train Miles 1,81,501.	2004-05 ended 30th June 2005. Train Miles 1,81,501.	2005-06 ended 30th June 2006. Train Miles 1,81,501.	2006-07 ended 30th June 2007. Train Miles 1,81,501.	2007-08 ended 30th June 2008. Train Miles 1,81,501.	2008-09 ended 30th June 2009. Train Miles 1,81,501.	2009-10 ended 30th June 2010. Train Miles 1,81,501.	2010-11 ended 30th June 2011. Train Miles 1,81,501.	2011-12 ended 30th June 2012. Train Miles 1,81,501.	2012-13 ended 30th June 2013. Train Miles 1,81,501.	2013-14 ended 30th June 2014. Train Miles 1,81,501.	2014-15 ended 30th June 2015. Train Miles 1,81,501.	2015-16 ended 30th June 2016. Train Miles 1,81,501.	2016-17 ended 30th June 2017. Train Miles 1,81,501.	2017-18 ended 30th June 2018. Train Miles 1,81,501.	2018-19 ended 30th June 2019. Train Miles 1,81,501.	2019-20 ended 30th June 2020. Train Miles 1,81,501.	2020-21 ended 30th June 2021. Train Miles 1,81,501.	2021-22 ended 30th June 2022. Train Miles 1,81,501.	2022-23 ended 30th June 2023. Train Miles 1,81,501.	2023-24 ended 30th June 2024. Train Miles 1,81,501.	2024-25 ended 30th June 2025. Train Miles 1,81,501.	2025-26 ended 30th June 2026. Train Miles 1,81,501.	2026-27 ended 30th June 2027. Train Miles 1,81,501.	2027-28 ended 30th June 2028. Train Miles 1,81,501.	2028-29 ended 30th June 2029. Train Miles 1,81,501.	2029-30 ended 30th June 2030. Train Miles 1,81,501.	2030-31 ended 30th June 2031. Train Miles 1,81,501.	2031-32 ended 30th June 2032. Train Miles 1,81,501.	2032-33 ended 30th June 2033. Train Miles 1,81,501.	2033-34 ended 30th June 2034. Train Miles 1,81,501.	2034-35 ended 30th June 2035. Train Miles 1,81,501.	2035-36 ended 30th June 2036. Train Miles 1,81,501.	2036-37 ended 30th June 2037. Train Miles 1,81,501.	2037-38 ended 30th June 2038. Train Miles 1,81,501.	2038-39 ended 30th June 2039. Train Miles 1,81,501.	2039-40 ended 30th June 2040. Train Miles 1,81,501.	2040-41 ended 30th June 2041. Train Miles 1,81,501.	2041-42 ended 30th June 2042. Train Miles 1,81,501.	2042-43 ended 30th June 2043. Train Miles 1,81,501.	2043-44 ended 30th June 2044. Train Miles 1,81,501.	2044-45 ended 30th June 2045. Train Miles 1,81,501.	2045-46 ended 30th June 2046. Train Miles 1,81,501.	2046-47 ended 30th June 2047. Train Miles 1,81,501.	2047-48 ended 30th June 2048. Train Miles 1,81,501.	2048-49 ended 30th June 2049. Train Miles 1,81,501.	2049-50 ended 30th June 2050. Train Miles 1,81,501.	2050-51 ended 30th June 2051. Train Miles 1,81,501.	2051-52 ended 30th June 2052. Train Miles 1,81,501.	2052-53 ended 30th June 2053. Train Miles 1,81,501.	2053-54 ended 30th June 2054. Train Miles 1,81,501.	2054-55 ended 30th June 2055. Train Miles 1,81,501.	2055-56 ended 30th June 2056. Train Miles 1,81,501.	2056-57 ended 30th June 2057. Train Miles 1,81,501.	2057-58 ended 30th June 2058. Train Miles 1,81,501.	2058-59 ended 30th June 2059. Train Miles 1,81,501.	2059-60 ended 30th June 2060. Train Miles 1,81,501.	2060-61 ended 30th June 2061. Train Miles 1,81,501.	2061-62 ended 30th June 2062. Train Miles 1,81,501.	2062-63 ended 30th June 2063. Train Miles 1,81,501.	2063-64 ended 30th June 2064. Train Miles 1,81,501.	2064-65 ended 30th June 2065. Train Miles 1,81,501.	2065-66 ended 30th June 2066. Train Miles 1,81,501.	2066-67 ended 30th June 2067. Train Miles 1,81,501.	2067-68 ended 30th June 2068. Train Miles 1,81,501.	2068-69 ended 30th June 2069. Train Miles 1,81,501.	2069-70 ended 30th June 2070. Train Miles 1,81,501.	2070-71 ended 30th June 2071. Train Miles 1,81,501.	2071-72 ended 30th June 2072. Train Miles 1,81,501.	2072-73 ended 30th June 2073. Train Miles 1,81,501.	2073-74 ended 30th June 2074. Train Miles 1,81,501.	2074-75 ended 30th June 2075. Train Miles 1,81,501.	2075-76 ended 30th June 2076. Train Miles 1,81,501.	2076-77 ended 30th June 2077. Train Miles 1,81,501.	2077-78 ended 30th June 2078. Train Miles 1,81,501.	2078-79 ended 30th June 2079. Train Miles 1,81,501.	2079-80 ended 30th June 2080. Train Miles 1,81,501.	2080-81 ended 30th June 2081. Train Miles 1,81,501.	2081-82 ended 30th June 2082. Train Miles 1,81,501.	2082-83 ended 30th June 2083. Train Miles 1,81,501.	2083-84 ended 30th June 2084. Train Miles 1,81,501.	2084-85 ended 30th June 2085. Train Miles 1,81,501.	2085-86 ended 30th June 2086. Train Miles 1,81,501.	2086-87 ended 30th June 2087. Train Miles 1,81,501.	2087-88 ended 30th June 2088. Train Miles 1,81,501.	2088-89 ended 30th June 2089. Train Miles 1,81,501.	2089-90 ended 30th June 2090. Train Miles 1,81,501.	2090-91 ended 30th June 2091. Train Miles 1,81,501.	2091-92 ended 30th June 2092. Train Miles 1,81,501.	2092-93 ended 30th June 2093. Train Miles 1,81,501.	2093-94 ended 30th June 2094. Train Miles 1,81,501.	2094-95 ended 30th June 2095. Train Miles 1,81,501.	2095-96 ended 30th June 2096. Train Miles 1,81,501.	2096-97 ended 30th June 2097. Train Miles 1,81,501.	2097-98 ended 30th June 2098. Train Miles 1,81,501.	2098-99 ended 30th June 2099. Train Miles 1,81,501.	2099-00 ended 30th June 2100. Train Miles 1,81,501.	2100-01 ended 30th June 2101. Train Miles 1,81,501.	2101-02 ended 30th June 2102. Train Miles 1,81,501.	2102-03 ended 30th June 2103. Train Miles 1,81,501.	2103-04 ended 30th June 2104. Train Miles 1,81,501.	2104-05 ended 30th June 2105. Train Miles 1,81,501.	2105-06 ended 30th June 2106. Train Miles 1,81,501.	2106-07 ended 30th June 2107. Train Miles 1,81,501.	2107-08 ended 30th June 2108. Train Miles 1,81,501.	2108-09 ended 30th June 2109. Train Miles 1,81,501.	2109-10 ended 30th June 2110. Train Miles 1,81,501.	2110-11 ended 30th June 2111. Train Miles 1,81,501.	2111-12 ended 30th June 2112. Train Miles 1,81,501.	2112-13 ended 30th June 2113. Train Miles 1,81,501.	2113-14 ended 30th June 2114. Train Miles 1,81,501.	2114-15 ended 30th June 2115. Train Miles 1,81,501.	2115-16 ended 30th June 2116. Train Miles 1,81,501.	2116-17 ended 30th June 2117. Train Miles 1,81,501.	2117-18 ended 30th June 2118. Train Miles 1,81,501.	2118-19 ended 30th June 2119. Train Miles 1,81,501.	2119-20 ended 30th June 2120. Train Miles 1,81,501.	2120-21 ended 30th June 2121. Train Miles 1,81,501.	2121-22 ended 30th June 2122. Train Miles 1,81,501.	2122-23 ended 30th June 2123. Train Miles 1,81,501.	2123-24 ended 30th June 2124. Train Miles 1,81,501.	2124-25 ended 30th June 2125. Train Miles 1,81,501.	2125-26 ended 30th June 2126. Train Miles 1,81,501.	2126-27 ended 30th June 2127. Train Miles 1,81,501.	2127-28 ended 30th June 2128. Train Miles 1,81,501.	2128-29 ended 30th June 2129. Train Miles 1,81,501.	2129-30 ended 30th June 2130. Train Miles 1,81,501.	2130-31 ended 30th June 2131. Train Miles 1,81,501.	2131-32 ended 30th June 2132. Train Miles 1,81,501.	2132-33 ended 30th June 2133. Train Miles 1,81,501.	2133-34 ended 30th June 2134. Train Miles 1,81,501.	2134-35 ended 30th June 2135. Train Miles 1,81,501.	2135-36 ended 30th June 2136. Train Miles 1,81,501.	2136-37 ended 30th June 2137. Train Miles 1,81,501.	2137-38 ended 30th June 2138. Train Miles 1,81,501.	2138-39 ended 30th June 2139. Train Miles 1,81,501.	2139-40 ended 30th June 2140. Train Miles 1,81,501.	2140-41 ended 30th June 2141. Train Miles 1,81,501.	2141-42 ended 30th June 2142. Train Miles 1,81,501.	2142-43 ended 30th June 2143. Train Miles 1,81,501.	2143-44 ended 30th June 2144. Train Miles 1,81,501.	2144-45 ended 30th June 2145. Train Miles 1,81,501.	2145-46 ended 30th June 2146. Train Miles 1,81,501.	2146-47 ended 30th June 2147. Train Miles 1,81,501.	2147-48 ended 30th June 2148. Train Miles 1,81,501.	2148-49 ended 30th June 2149. Train Miles 1,81,501.	2149-50 ended 30th June 2150. Train Miles 1,81,501.	2150-51 ended 30th June 2151. Train Miles 1,81,501.	2151-52 ended 30th June 2152. Train Miles 1,81,501.	2152-53 ended 30th June 2153. Train Miles 1,81,501.	2153-54 ended 30th June 2154. Train Miles 1,81,501.	2154-55 ended 30th June 2155. Train Miles 1,81,501.	2155-56 ended 30th June 2156. Train
-----------------	--	---------	---	---	-------------------------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	--

NEGAPATAM,

August 20th 1872.

~~Chief Auditor.~~

[illegible]

Government Examiner of Railway Accounts.

Redmond
Agent and Traffic Manager.

Agent and Traffic Manager.

Wm. Vincent Jr. C. & P. D. E.
Consulting Engineer for Railways.

Consulting Engineer for Railways.

No. IX.

ABSTRACT A

Maintenance of Way, Works and Stations.

		Rs.	A.	P.	Rs.	A.	P.
(1) Salaries, Office Expenses, and General Superintendence	...	...	...	...	16,452	7	...
1. Engineers' Salaries	...	9,877	3	...			
2. Allowances including travelling expenses	...	495	...	...			
3. Subordinate Superintendents	...	3,447	5	...			
4. Allowances of do.	...	142	8	...			
6. Office Expenses	...	2,490	7	...			
(2) Maintenance and Renewals of Permanent Way	...	...	...	...	44,008	3	4
1. Wages	...	20,375	2	2			
2. Materials	...	23,633	1	2			
(3) Repairs of Bridges &c. Labour and Material	...	...	...	...	1,242	11	5
1. Bridges	...	267	3	9			
2. Miscellaneous including earthwork &c.	...	975	7	8			
(4) Repairs of Stations and Buildings—Labour and Materials	...	...	...	...	7,447	7	6
1. Repairs of Buildings, Station-yards and Signals &c.	...	7,181	7	...			
2. Repairs of Staff Quarters	...	266	...	6			
(6) Unclassified Expenditure	...	...	...	...	346	11	...
Tools and Plant	...	337	15	...			
Miscellaneous	...	8	12	...			
Total Rs...					69,497	8	3

Miles Maintained.	Departmentally.	By Contract.	Total.
Railway Line			
Double	...	...	...
Single	...	...	...
Sidings	...	...	...
	168	...	168
	13½	...	13½
Total...			181½

ABSTRACT B

Locomotive Expenses.

		Rs.	A.	P.	Rs.	A.	P.
(1) General Superintendence	...	...	...	...	18,680	5	2
1. Salary of Locomotive Superintendent	...	4,172	12	...			
2. Allowances including travelling	...	136	...	...			
3. Subordinate Superintendents	...	9,699	8	8			
4. Allowances of do. including travelling	...	464	15	3			
5. Overtime allowances	...	126	15	5			
6. Office Expenses	...	4,080	1	10			
(2) Running Expenses	...	...	...	...	16,910	2	2
1. Wages of Drivers and Firemen	...	11,983	5	...			
2. Overtime and Allowances	...	2,832	2	...			
3. All Labour connected with fuelling and cleaning Engines in yards	...	1,104	11	2			
4. Contingent Expenses including travelling	...	990	...	...			
(3) Fuel	...	...	...	...	35,851	10	7
1. Coal	Tons 893 Cwt 3	19,370	2	10			
3. Patent Fuel	" 703 " 14	15,261	7	10			
4. Wood	" 239 " 5½	1,219	15	11			
(4) Water (Wages and Stores inclusive)	...	...	...	...	1,136	8	7
(5) Oil, Tallow, and Stores expended on Engines in work	...	...	...	...	1,987	8	4
(6) Maintenance & Renewals of Locomotive Engines and Machinery	...	...	...	...	19,110	13	2
1. Wages	...	5,496	13	6			
2. Overtime Allowances	...	102	5	9			
3. Materials	...	13,511	9	11			
Total Rs...					93,677	...	...

ABSTRACT C

Carriage and Waggon Expenses.

		Rs.	A.	P.	Rs.	A.	P.
(1) General Superintendence	...	...	...	...	3,100	...	2
1. Salary of Superintendent	...	736	6	...			
2. Allowances including travelling	...	24	...	...			
3. Subordinate Superintendents	...	1,570	10	4			
4. Allowances of do. including travelling	...	82	...	9			
5. Overtime Allowances	...	13	3	7			
6. Office Expenses	...	673	11	6			
(2) Repairs and Renewals of Vehicles	...	...	...	...	11,651	9	9
Coaching Vehicles	...	...	...	...			
1. Wages	Rs. 1,207 A. P. 7 9						
2. Overtime	6 11 11						
3. Materials	3,206 6 7	4,420	10	3			
Goods Vehicles	...	...	...	...			
1. Wages	2,115 6 2						
2. Overtime	39 2 5						
3. Materials	5,076 6 11	7,230	15	6			
(3) Cleaning Carriages and Waggon, and Oiling	...	...	...	...	2,587	4	9
1. Labour including Wages of Oilers, Carriage Examiners &c.	...	1,372	14	10			
2. Stores, including Oil and other Stores consumed on running Vehicles	...	1,214	5	11			
Total Rs...					17,338	14	8

ABSTRACT D Traffic Expenses.

		Rs.	A. P.	Rs.	A. P.
(1) Salaries, Wages &c. ...		...	...	21,050	4 8
a. General Superintendence ...		4,175	12 6		
1. Assistant Traffic Manager ...	3,000				
2. Office Establishment ...	577				
3. Travelling Allowances ...	585				
4. Contingencies ...	13 12 6				
b. Station Staff including Gatekeepers &c. ...		14,052	8 2		
c. Train Staff ...		2,822			
1. Guards and Assistant Guards ...					
(2) Fuel, Lighting, Water, and General Stores ...				1,329	3 5
1. Lights, General Stores &c. for Carriages, Stations, &c. ...		1,000	9 11		
2. Waggon Covers, Ropes &c. ...		16	14 1		
3. Office and Station fittings and furniture ...		311	11 5		
(3) Clothing ...				187	8 ...
(4) Printing, Stationery, and Tickets ...				2,134	10 8
(6) Miscellaneous Expenses ...				232	
(7) Payments to other Lines ...				8,741	11 2
2. Mileage of foreign Stock ...					
3. Expenses at Joint Station (Erode) including rent ...		2,533	15 ...		
		6,207	12 2		
Total Rs. ..				33,675	5 11

ABSTRACT E General Charges.

		Rs.	A. P.	Rs.	A. P.
(1) Home Expenditure ...		...	...	10,600	12 10
1. Directors and Secretary ...		5,400			
2. Auditors and Accountants ...		2,029	1 5		
3. Consulting Engineer, Inspectors' fees and travelling allowances ...		1,636	5 10		
4. Office Expenses ...		1,535	5 7		
(2) Salaries of Indian Management including Offices ...				20,457	7 10
1. Agent's office including Audit, Accounts, and Paymaster's ...	Salaries.	13,756	11 ...		
5. Store Department ...	Travelling Allowances.	4,022	6 9		
6. Medical do. ...	Contingencies.	1,277	6 4		
		10,056	8 1		
		86	13 7		
		147	7 8		
		19,290	13 4		
8. Contingencies, including furniture ...		651	4 7		
9. Stationery ...		424	12 5		
10. Medicines ...		90	9 6		
(4) Advertising ...				92	10 7
(5) Electric Telegraph ...				2,939	13 11
2. Signallers ...		2,527	8 ...		
4. Office Expenses, Contingencies &c. ...		399	14 2		
5. Maintenance. Stores and Labour ...		12	7 9		
Total Rs. ..				34,000	13 2

ABSTRACT G Special and Miscellaneous Expenditure.

	Rs.	A. P.
(1) Law charges ...	3	1
(2) Compensation for Goods lost and damaged ...	776	14 11
(3) Rates and Taxes ...	536	15 2
(4) Contribution to Fire Insurance Fund ...	5,000	
Total Rs. ..	6,316	15 1

No. X. ABSTRACT H Coaching Traffic.

	1ST CLASS.	2ND CLASS.	3RD CLASS.	TOTAL
	18 pice.	5 pice.	3 pice.	
Mileage Fares.	No. Amount.	No. Amount.	No. Amount.	No. Amount.
(1) PASSENGERS.				
Single Journeys	755 4,128 1	3,818 4,420 7	3,65,013 1,84,383 12	2,69,586 1,92,932 4 ...
Excess Fares	164 15	136 5	269 5	570 9 ...
Return Journeys.	42 137 9	1,070 472 1	56,116 11,743 10	57,228 12,353 4 ...
Troops & Police		57 125	2,068 2,315 10	2,125 2,440 10 ...
Total	797 4,430 1	4,945 5,153 13	4,23,197 1,83,712 5	4,28,939 2,08,296 11 ...
Season Ticket.		1 50		50 ...
Total ..				4,28,940 2,08,346 11 ...
(2) Passengers' Luggage ...			Ton Miles.	6,174 1,931 10 ...
(3) Military Baggage ...			do	50 28 11 ...
(4) Carriages, Horses, Dogs &c. ...			do	8,734 1,874 ...
1. Carriages	No. 60	Rs. 530 - 4 - 0		
2. Horses	" 171	" 1,086 - 4 - 0		
3. Dogs	" 291	" 216 - 8 - 0		
4. Corpses	" 2	" 41 - 0 - 0		
(5) Military Horses	No. 4	Rs. 31 - 8 - 0	Ton Miles.	148 31 8 ...
(6) Parcels			do	10,440 6,141 10 ...
(7) Special Trains	Train Miles 174			1,213 14 ...
(8) Post Office Parcels			Ton Miles.	93 54 4 10
Total Rs.				2,19,622 4 10

ABSTRACT I Goods Traffic.

	Rate per Ton per Mile.	Ton Miles	Amount.	Total.
			Rs. A. P.	Rs. A. P.
(1) Merchandize General				1,70,666 10 6
1st Class	12 pice.	1,420,247	87,318 15	
2nd do	14 "	368,840	26,326 13	
3rd do	18 "	178,213	16,483 4	
4th do	24 "	37,898	4,682 9	
5th do	36 "	22,771	4,445 15	
Special do	8 "	807,899	31,409 2 6	
(2) Military Stores		3,410		354 2
(3) Railway Materials for Construction		20,435		519 2
(5) Live Stock				9 3
2. Cattle	No. 1,269		83 15	
3. Sheep &c.	6,514		15 4	
Rents and Demurrage, Wharfage &c.				175 15 11
Total Rs.				1,71,815 1 5

ABSTRACT K

Sundries.

Interest on Revenue Balances deposited with Government	...	...	...	Rs.	A.	P.
Rents of Dwelling Houses	...	...	...	1,049	10	6
Fees on Share Transfers &c.	...	...	...	1,721	9	8
Sale of unclaimed and damaged Goods	...	...	...	391	5	10
Sale of Revenue Stores	...	...	...	5	2	1
	...	...	...	922	6	5
1. Maintenance	...	...	...	632	11	9
2. Locomotive	...	...	...	95	15	8
3. Carriage and Waggon	...	...	...	109	10	4
4. Traffic	...	...	...	44	9	8
5. General	...	...	...	39	7	0
Total Rs....				4,090	2	6

No. XI.—Fire Insurance Fund.

To Balance on hand 30th June 1872 viz.				Rs.	A.	P.	By Balance on 1st January 1872.				Rs.	A.	P.
Invested in 4 per cent Govt. Securities 61,365 0 0							Interest received during the half year on amount invested in Government Promissory Notes, less Bankers' commission and income tax						
Cash in hand 6,207 12 3	67,572	12	3				Contribution from Revenue for the half year as per Abstract G. of Revenue Account				5,000		
Rupees...	67,572	12	3				Rupees...	67,572	12	3			

No. XII. Statement of Engine and Rolling Stock for the half year ending 30th June 1872.

DESCRIPTION.	Total stock authorized up to date.	Total stock constructed against authorization up to 31st December 1871.	Additions to stock during the half year.	Total stock constructed up to 30th June 1872.	Actual stock running on 30th June.	REPAIRS AND RENEWALS.			Average number undergoing repairs and renewals at any one time.
						Total number of vehicles renewed during the half year.	Total number of vehicles undergoing repairs on the 30th June 1872.	Total number of vehicles undergoing repairs on the 30th June 1872.	
Engine.									
Tank	2	2	0	2	1	0	0	1	8.54
Passenger	9	9	0	9	4	0	0	4	
Goods	10	9	1	10	6	0	0	1	
Composite Carriages	7	7	0	7	6	0	0	1	
2nd class	2	2	0	2	1	0	0	1	
3rd class	5	5	0	5	5	0	0	0	
Passenger Break Vans	34	34	0	34	34	0	0	0	
Horse Boxes	8	7	1	8	8	0	0	0	
Carriage Trucks	3	3	0	3	3	0	0	0	
Goods Break Vans	1	1	0	1	1	0	0	0	
Covered Goods Waggon	4	4	0	4	4	0	0	0	
Ballast	150	149	1	150	150	0	0	0	6.38
Open Goods	50	50	0	50	47	0	0	3	
Timber Trucks	50	50	0	50	47	0	0	3	
High-sided open Trucks	4	4	0	4	4	0	0	0	
Five Ton travelling crane.	50	50	0	50	49	0	0	1	
Ten Ton do	1	1	0	1	1	0	0	0	
Salt Trucks	25	25	0	25	24	0	0	1	
Vehicles.									

NEGAPATAM,

19th August 1872.

EDWARD G. SHEWARD,

Loco. and Car. Superintendent.

No. XIII.

MILEAGE STATEMENT.

		Miles.
Lines owned by Companies not commenced	...	215
" " under construction	...	168
" " constructed not worked by Company	...	"
" " " and worked by others	...	"
Total...	...	383
Lines worked by the Company ...	...	Miles.
Its own ...	...	168
Foreign ...	...	"
Total....	...	168
Foreign lines worked by the Company	...	Nil.

No. XIV.

STATEMENT OF TRAIN MILEAGE.

	No.	Estimated Locomotive Expenses.
Train Miles run for the Traffic Department	121,158	Rs. 72,740
" " Locomotive "	47	38
" " Maintenance "	4,104	2,463
Total.....	125,309	75,241
Hours of Assisting Engines	H. M.	
" Shunting Piloting &c,	1 . 35	8
" Miscellaneous Services	5,156 . 45	16,928
	1,216 . 6	1,500
Total.....	6,374 . 25	18,136
Total Cost Rs...		93,677

No. XV.

DISTRIBUTION STATEMENT OF AUDITED SALARIES.

Department.	Capital	Revenue.	Total
Home Expenditure...			
Agency Audit	10,085 5 4	10,000 12 10	21,286 2 2
Accounts Paymasters	9,225 . 5	13,837 8 7	23,062 9...
Store	2,262 9 11	4,022 6 9	6,285... 8
Medical	855 9 8	1,283 6 4	2,139... ..
Total Rs	23,028 9 4	29,744 2 6	52,772 11 10

Great Southern of India Railway.

GOVERNMENT FORM OF ACCOUNT.

STATEMENT of Net Profits for the half year.

	Rs.	A.	P.	Rs.	A.	P.
To Balance Outstanding as per last Account..	129	15	1	By Payments to the Treasury during the half year...	Rs. 4,45,570-9-8	10
" Earnings during the half year as per Revenue Account (Form No. VIII.)	3,98,538	9	3	Interest on Revenue Balances	1,049-10-6	10
				" Transfer Fees received in England	391-5-10	10
				Deduct payments made during January and February on account of outstandings belonging to previous half-years	62,138	3
				By Traffic Earnings paid into Treasury during July and August	3,84,873 7 8	7
				" Balance i. e. Earnings unpaid to Government on 1st September 1872	13,478 14 8	14
				Due by Stations	3,98,532 5 5	5
				" " Government	116 2 8	2
				Total Traffic Receipts....	3,98,668 8 4	8
					Rupees...	

Traffic Receipts paid to Government as per above Statement Rupees... 3,98,532 5-8
Deduct Working Expenses as per Revenue Account ... 2,54,596-9-1

Balance being net profits for the half-year Rs.... 1,43,935-12-7

NEGAPATAM,

Chief Auditor's Office,

30th August 1872.

Chief Auditor.

Agent and Traffic Manager.

Consulting Engineer for Railways.

Government Examiner.

P. N. 888/73.
Pl. 6. March 173 B.N.
139.

I hereby certify, that the whole of the Company's. Permanent Way, Stations, Buildings, Telegraph, Fencing &c., except such as were damaged by storm on the 7th November 1871, and which are under repair, have, during the past half year, been maintained in good working condition and repair.

BERKLEY, C. ST. JOHN,
Resident Engineer.

Trichinopoly,
July 3rd 1872. }

I hereby certify, that the whole of the Company's Plant, Engines, Tenders, Carriages, Waggons, Machinery and Tools, have, during the past half year, been maintained in good working order and repair.

EDWARD, G. SHEWARD,
Loco: & Car: Superintendent.

Negapatam,
August 15th 1872. }

I hereby certify, that the certificates given above by the Railway officials are correct.

J. H. M. SHAW STEWART, Lt. Col. R. E.
Cons. Engineer for Railways.

Madras,
August 19th 1872. }

Railway Department.

95
CONSULTING ENGINEER'S OFFICE,

No. 88.

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 forward herewith the review of the Revenue Account of the Great Southern of India Railway for the half-year ending 30th June 1872. With reference to paragraph 1 of the letter from the Government of India, dated 28th November 1872. No 1819. G. R., communicated in the order of Government No 2985 of 16th December 1872. I have the honour to furnish the following explanation of

of the increase of working expenses under the several heads, as compared with those for the half year ending 30 June 1871.

Table E. Maintenance of Way, Works and Stations.

1. Superintendence - A year's furlough pay of the Resident Engineer is included in the expenditure for this half-year.

The whole cost of the Superintendence Staff became chargeable to the Revenue Account for construction work being in hand on the open line,

whereas, in the half-year ending 30 June 1871, only 63 per cent of the cost was taken to account.

Renewals of permanent

way.

The increase is mainly due to 1 mile, 31½ chains of the wooden sleeper road having been renewed with iron sleepers - no such renewal occurred in the first half of 1871.

3. Repairs of Stations and Buildings.

Increase partly caused by cost of repairing damage caused by the cyclone of November being included, and partly by the greater age of buildings.

Table F. Locomotive Department Expenses.

1. General Superintendence -

The full cost of superintendence was debited to the Revenue Account, whereas

whereas in the first half of 1871, only 58 percent was so charged.

3. Fuel - Increase in average price per ton of coal and patent fuel.

4. Maintenance and Renewals.

The excess here is due to the increased age of the stock.

Table G. Carriage and Wagon Expenses.

2. Repairs and Renewals of Vehicles and Machinery -

Excess due to increased age of stock.

Table J. General Charges.

1. Home Expenditure.

1. San Management.

99
Excess due to the greater percentage chargeable to Revenue, 60 percent as compared with 42 percent in the first half of 1871.

3. On reference to the index which accompanied the submission of the Revenue Account for the half-year under review, it will be seen that the working expenses for the half-year ending 30 June 1871, were exceptionally small. The expenses for the half-year under review exceed those of the half-year immediately preceding it by Rupees 24,080, and this sum is entirely made up of the increase in general superintendence in the Maintenance and Locomotive Departments, extra cost of

of permanent way materials, and repairs
of stations and buildings.

4. Paragraph No 2. of the
letter of the Government of India under
reference was answered in letter from
this office No 37. of 20 January 1873.

I have the honour to be
Sir.

Your most obedient servant

Montgomery Lieut Col. R.E.

Madras
7 February
1873

Cons: Engineer for Railways

Copy of the above forwarded to the
Secretary of the Govt of India
No 22 dated 14/1/73
referred that this Review be for

Summarizing
the review of the
Revenue Account
of the G.O. of 22
for the half-year
ending 30 June 1873
Miss M. D. Clerk

Dated 7th Feb 1873
Recd 8th Feb 1873
Enc. 3.
No. 88.

To
The Secretary to Government,
P. W. Department,
Fort Saint George.

From
The Consulting Engineer
for Railways,
1873
No. 838.

RAILWAY DEPARTMENT.

On 16/2/73 90338
339

On 11/1/73

162

Govt. of 1873 Madras.
PUBLIC WORKS.

10. *Accounting Cuz.*
for Railways
Secretary to the
Govt India
Encl 3

11. 1873. 722
723.

Nos. 139-140 & 141
The Revenue

12. 1872. 1st half
ordered to be for-
warded to the Govt India.

13. 1872. 1st half
ordered to be for-
warded to the Govt India.