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MADRAS RECORD OFFICE.

Government of Madras.

Public works **DEPARTMENT.**

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PUBLIC WORKS DEPARTMENT,
FORT ST. GEORGE, 24*th November* 1871.

No. 428.

No. 2,971.

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,

PUBLIC WORKS DEPARTMENT.

RAILWAY, No. 54.

SIR,—I am directed to forward the Revenue Account and Analysis of the traffic operations of the Great Southern of India Railway for the half-year ending 31st December 1870, accompanied by a memorandum by the Acting Consulting Engineer for Railways.

I have the honour to be,

Sir,

Your most obedient servant,

(Signed) J. CARPENDALE, Colonel, R.E.,

Secretary to Government.

Note to accompany the
Revenue Analysis for the half-year
ending 31st December 1870. Great
Southern of India Railway.

The Statement attached
gives some particulars of receipts
from Coaching and Merchandize
earnings per mile, and per week &c.
in comparison with the second half
of the previous year.

2. The receipts from all
sources, are less than in the preceding
year, but the expenses were con-
siderably less; and the net receip

shew an increase.

3. There is a falling off in the 3d class passenger traffic, both in numbers and receipts; also in carriages, horses, dogs, and parcels.

4. There is an increase in the general Merchandize, both in quantity and in receipts.

5. There is a large reduction of expenditure in the Maintenance of Way and Works; but an increased expenditure in the other Departments.

6. There is a decrease in the train mileage.

7. The profits for the half-year come to £ 1-1-1 per cent, on the expended Capital.

Chas Sanders Major R.E.
Ag. Cons: Engr for Railways

Madras
20th October
1871

Statement of average receipts with the nature and amount of traffic in the half-year ending 31st Decr 1870 compared with the corresponding half of 1869.

	Half-year ending 31st Decr 1869	Half-year ending 31st Decr 1870	Increase	Decrease
	Rs	Rs	Rs	Rs
Coaching Receipts	242,170	213,047	"	29,123
Merchandize Do	1,40,532	1,61,874	21,342	"
Railway materials Do	8,675	1,198	"	7,477
Miscellaneous Do	5,279	9657	4,378	"
Total	396,656	385,776	"	10,880
Expenditure	255,831	227,750	"	28,081
Profit	140,825	158,026	17,201	"
Capital expended in India & England	142,48,030	149,82,037	7,34,007	"
Half-yearly percentage of profit	0·988	1·055	0·067	"
Length of line open	Miles 168	Miles 168	"	"
Train Mileage (Goods & Passengers)	146,371	119,420	"	24,951
	Rs	Rs	Rs	Rs
Earnings per mile of Line	2361	2296	"	65
Expenses per Do	1,523	1,356	"	167
Profet per Do	838	940	102	"
Earnings per train mile	2·75	3·23	0·48	"
Expenses per Do	1·77	1·90	0·13	"
Profet per Do	0·98	1·33	0·35	"
Average earnings per week	15,256	14838	"	418
Expenses per Do	9,840	8760	"	1080
Profet per Do	5,416	6,078	662	"
Coaching Receipts per mile per week	1442	1268	"	174
Goods Receipts per Do	920	971	51	"
Average contents of a vehicle				
	No.	No	No	No
Passengers 1st class	0·850	0·853	0·003	"
Do 2d Do	3·206	2·700	"	0·506
Do 3d Do	16·907	19·554	2·647	"
	Tons	Tons	Tons	Tons
Goods	2·444	1·247	"	1·197

Madras
20 October
1871

Henry Prendergast Major R.E.
Ag Cons: Engr for Railways

Great Southern of India Railway

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TABLE A.

GENERAL STATEMENT of Working of half-year ending 31st December 1870

PUBLIC TRAFFIC.		Passengers or tons of goods carried.		Earnings.		Per-centage 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.	
				Rs.		
Coaching. Passengers ...	1st Class	590	0·2	3014	1·4	0·80
	2nd „	5541	1·5	15646	2·7	1·42
	3rd „	379209	98·3	194273	91·2	50·36
	4th „	"				
Miscellaneous earnings		...	...	10054	4·7	2·61
	Total...	385640	100 0	213044	100·0	55·19
		Tons.				
Goods ... Merchandize ...	~~Special~~					
	1st Class	2203·3	6·10	77714	47·7	20·15
	2nd „	6453	17·9	33320	20·4	8·64
	3rd „	1992	5·5	14203	8·7	3·69
	4th „	1117	3·1	9638	5·9	2·50
	5th „	29·3	0·8	511 6	3·2	1·33
	Special	3885	10·7	21579	13·2	5·60
	Railway Materials	368	1·0	1198	0·7	·31
	Minerals					
Miscellaneous earnings	Live stock...	...	...	304	0·2	·08
	Total...	36141	100·0	163072	100·0	~~100·0~~ 42·30
Miscellaneous Total		"	"	9657		2·51
Grand Total		"	"	385776		100·0

	Coaching.			Goods.			Miscellaneous			Total			Percentage of Profits on paid up Capital
	Total	Per Passenger train mile	Per open mile per week	Total	Per Goods train mile	Per open mile per week	Total	Per Miscellaneous train mile	Per open mile per week	Total	Per Train mile co Train mile	Per open mile per week	
	Rs	As.p	Rs	Rs	As.p	Rs	Rs	As.p	Rs	Rs	As.p	Rs	Rs
Earnings	213047		49	163072	"	37	9657	"	2	385776	3.2.9	88	
Expenses	79399	"	18	142933	"	33	5418	"	1	227750	1.14.6	52	60
Profits	133648	"	31	20139	"	4	4239	"	1	158026	1.5.3	36	
Percentage of Expenses to Earnings	37	"	"	88	"	"	56	"	"	59	"	"	"

TABLE A.—(*Continued.*)

GENERAL STATEMENT of Working of half-year ending *31 December 1870*

—	Passenger.	Goods.	Mixed.	Total.
Number of trains run	"	"		
Train mileage (D. I. 1, page 7)	"	"	15511	15511
Gross ton mileage (M. I. 23, page 16)	"	"	119420	119420
...			"	18847934

AVERAGE COMPOSITION OF TRAINS.		Average Number of Vehicles. Passenger trains.	Goods trains.	Mixed trains.	Average Number of Seats. Provided.	Used.	Average Weight of Trains. Freight or live load.	Dead load, exclusive of Engine and Tender.
PASSENGER ...	1st Class	"	"	0·3234	9·702	0·276	Tons. ·024	Tons. 2·767
	2nd "			0·6990	32·592	1·434	·160	4·549
	3rd "			11·8526	243·630	90·375	39·54	28·830
	4th "			"	"	"	"	"
	Others	"	"	0·4835	"	"	·182	3·019
GOODS. (*Vehicles of all kinds including brakes*).		"	"	1·3688	68·2128	Carrying capacity in tons.	6·340	29·653
							13903	66·578

OPEN MILEAGE ON			Mean mileage worked during half-year.	Capital expended on open mileage, inclusive of Rolling Stock.	Cost per mile open.	TOTAL LENGTH OF THE FOLLOWING GRADIENTS:—			STEEPEST GRADIENTS WORKED BY			
									Fixed power.		Locomotive.	
Single.	Double.	Total.				1/100 and less.	1/101 to 1/200	1/201 to 1/300	Length.	Inclination.	Length.	Inclination.
				£	£	M. Ch.	M. Ch.	M. Ch.	M. Ch.		M. Ch.	
168	"	168	168	1,372,358	8175	3·16	9·11	11·08	Nil	Nil	1·00	1 in 100

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TABLE B.

STATEMENT showing in comparison the Coaching Traffic of the half-years ending *31st December 1869* and *31st December 1870*

Reference to Revenue Account. Table and Main head.	Sub-head.	DETAILS.	Number. 2d Half 1869	Number. 2d Half 1870	Fare per Mile. 2d Half 1869	Fare per Mile. 2d Half 1870	Receipts. 2d Half 1869	Receipts. 2d Half 1870	Average Mileage. 2d Half 1869	Average Mileage. 2d Half 1870
					Pies.	Pies.	Rs..	Rs.		
X. (H.) 1	...	1ST CLASS PASSENGERS—								
		Single Journey ...	557	508			2375	2696	55	57
		Excess Fares ...	33	24			85	78	28	35
		Return Journey ...	46	52	18	18	102	300	71	117
		Season Tickets ...	"	"			"	"	"	"
		Troops and Police ...	18	"			145	"	309	"
		TOTAL...	621	590			3207	3074	56	56
1	...	2ND CLASS—								
		Single Journey ...	3605	3684			4627	4244	49	44
		Excess Fares ...	94	189			37	93	15	19
		Return Journey ...	1341	2120	5	5	910	1229	74	65
		Season Tickets ...	"	"			"	"	"	"
		Troops and Police ...	52	37			95	80	117	138
		TOTAL...	5041	5841			5669	5646	52	37
1	...	3RD CLASS—								
		Single Journey ...	369421	346456			183383	171416	32	95
		Excess Fares ...	390	416			236	172	39	26
		Return Journey ...	48828	30962	3	3	34485	20744	136	129
		Season Tickets ...								
		Troops and Police ...	2292	1791			2679	1941	95	69
		TOTAL...	420541	379209			221283	194273	31	30

TABLE B.—(*Continued.*)

STATEMENT showing in comparison the Coaching Traffic of the half-years ending 31st December 1869 and 31st December 1870

Reference to Revenue Account. Table and Main head.	Sub-head.	Details.	Number. 2d Half 18 .	Number. 2d Half 18 .	Fare per Mile. Half 18 .	Fare per Mile. Half 18 .	Receipts. 2d Half 18 .	Receipts. 2d Half 18 .	Average Mileage. 2d Half 18 .	Average Mileage. 2d Half 18 .
1	...	4th Class—								
		Single Journey ...			Pies.	Pies.	Rs.	Rs.		
		Excess Fares ...								
		Return Journey ...								
		Season Tickets ...								
		Troops and Police ...								
		Total...								
2	...	Passengers' Luggage ...	Tons. 80	Tons. 65	Two pies per maund per mile		1829	1,615	34	70
3	...	Military Baggage ...								
4	1	Public... Carriages ...	No. 84	No. 52	Vide					
	2	Horses ...	227	110	Cost		2407	1933	78	63
	3	Dogs ...	224	184	attached				77	76
5	1	Military. Carriages ...							83	58
	2	Horses ...								
	3	Dogs ...								
6	...	Parcels	Tons. 183	Tons. 167	do		6513	6280	67	941
7	...	Special Trains ...	No.	No.	do		1262	156		
		Post Office—								
8	1	Haulage and hire of Post Office vehicles.								
	2	Special Trains ...								
	3	Parcels... ...			4 pies per maund per mile			70		
		..Total...								

TABLE C.

STATEMENT showing in comparison the Goods Traffic of the half-years ending 31st December 1869 and 31st December 1870

Reference to Revenue Account. Table and Main head.	Sub-head.		Quantity. 2d half of 1869 Up.	Quantity. 2d half of 1869 Down.	Quantity. 2d half of 1870 Up.	Quantity. 2d half of 1870 Down.	Rate per Ton Mile. 2d half of 1869	Rate per Ton Mile. 2d half of 1870	Receipts. 2d half of 1869	Receipts. 2d half of 1870	Average Mileage. 2d half of 1869	Average Mileage. 2d half of 1870
			Tons.	Tons.	Tons.	Tons.	Pies.	Pies.	Rs.	Rs.		
		General Merchandize—										
		~~Special Class~~										
X. (I.) 1	...	1st Class	6146	4955	9861	12,172	12	12	60273	77714	38	56
		2nd " ...	1304	468	2524	3929	14	14	18330	33320	128	70
		3rd " ...	1145	903	754	1238	18	18	22910	14203	119	76
		4th " ...	319	401	309	503	24	24	5570	9638	58	69
		5th " ...	42	90	94	199	36	36	2502	5116	101	93
		Special ...	2045	1498	2728	1157	8	8	24391	21579	165	133
		Total	11,751	13,315	16,270	19,503			134471	161,570	70	45
2	...	~~Military Carriages~~ Stores	14									
3	...	Railway Materials for Construction ...	1064	825	62	306	14	14	8675	1198	62	77
		Minerals—										
6		For the public...										
		" Company.										
		(Construction only)										
		Total....	1064	825	62	306			8675	1198	62	77
		GRAND TOTAL	12,815	14,140	16,332	19,809			142851	162768		
		~~Live~~ Stock—	~~No.~~	~~No.~~	~~No.~~	~~No.~~	Rate per animal per mile					
			½		½							
4		Horses ...	1,500	2,950	6,475	1,100	Various		221	304	42	59
		Cattle ...										
		Sheep ...										
		~~Military~~ Live Stock—										
5		Horses ...										
		Cattle ...										
		Sheep ...										

TABLE—C.—(1).

Comparative Statement showing the weight and earnings of the principal commodities carried during the above half-years.

Description.	Quantity.		Receipts.		Increase in Quantity.	Decrease in Quantity	Increase in Receipts.	Decrease in Receipts.
	half 18	half 18	half 18	half 18				
	Tons.	Tons.	Rs.	Rs.	Tons.	Tons.	Rs.	Rs.
Areca-nuts	867	934	6262	6592	67	"		670
Beer and Wines	5	8	233	279	3	"	46	"
Cloth	215	267/8	5561	9536	52	"	3975	"
Curry-stuffs	17		201	75		9	"	126
Fuelwood	394	319	2441	5616	"	75	3175	"
Fruits	73	42	117	83	"	31	"	34
Furniture	368	404	1932	6051	36	"	4119	"
Grain of all Kinds	64	20	566	577	"	47	11	"
Granite stones	12104	13949	38384	50,686	1845	"	12302	"
Hay and Straw	2104	953	5363	7297	"	1151	"	1066
Hides	10	7	29	64	"	3	35	"
Indigo	343	234	7810	5877	"	109	"	1933
Lac-dye	32	14	635	115	"	18	"	520
Metals	11	13	68	56	2	"	"	12
Oil and Ghee	165	147	736	1449	"	18	713	"
Oil cakes	174	848	1140	7691	170	"	6551	"
Salt	695	836	3230	6932	141	"	3702	"
Seeds of all Kinds	3269	3999	16963	21198	730	"	4235	"
Silks	1063	917	8386	10767	"	146	2381	"
Sugar	1	1	53	26	"	"	"	28
Soap-sand	184	216	819	3525	32	"	2706	"
Sundries	161	149	842	883	"	12	41	"
Timber	1427	988	18651	9111	"	439	"	9540
Tobacco	797	350	3812	1161	"	447	"	2651
Toddy	365	324	6942	7238	19	"	296	"
Treasure	"	"	"	"	"	"	"	"
Total	24,855	25,447	134176	141,984	307	2505	44288	16580

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TABLE D.

Statement of mileage maintained.*

Reference to Revenue Account.		Details.	2d half of 1869			2d half of 1870				
Table and Main head.	Sub-head.		Departmentally.	By Contract.	Total.	Departmentally.	By Contract.	Total.	Total Increase.	Total Decrease.
IX. (A.)	...	1. Mean miles of line maintained. Single ..	144	"	144	168	"	168	24	"
		2. Mean miles of line maintained. Double...	"	"	"	"	"	"	"	"
		3. Mean miles of line maintained. Total ...	144	"	144	168	"	168	24	"
		4. „ Sidings maintained, Total.	12 2/8	"	12 2/8	13 3/4	"	13 6/4	1/8	"
		5. „ Single Track Total including Sidings.	156 2/8	"		181 3/4	"	181 5/4	24 2/8	"

* From Revenue Funds.

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	2d half, 1869 ... Passenger.						
	2d half, 1869 ... Goods ...						
	2d half, 1869 ... Mixed ...	14,360	"	11002	"	"	"
	2d half, 1869 ... Total ...	14,360	"	11002	"	"	"
2	2d half, 1870 ... Passenger.						
	2d half, 1870 ... Goods ...				34-14	36-14	36-14
	2d half, 1870 ... Mixed ...	119420		9007	5-3	4611-31	1221-3
	2d half, 1870 ... Total ...	119420		9007	5-3	4611-21	1221-3
3	Increase in 1870 ... Passenger.						
	Increase in 1870 ... Goods ...						
	Increase in 1870 ... Mixed ...						
	Increase in 1870 ... Total ...						
4	Decrease in 1870 ... Passenger.						
	Decrease in 1870 ... Goods ...						
	Decrease in 1870 ... Mixed ...	27940		1995	"	"	"
	Decrease in 1870 ... Total ...	27940		1995	"	"	"

TABLE E.

Maintenance of Way Works and Stations.

RAILS.

Reference to Revenue Account.			2nd Half of 1869	2nd Half of 1870		
Table and Main head.	Sub-head.		Total.	Total.	Increase.	Decrease.
XIV.	..	Train Miles (D. I. 1, page 4) ...	168362	128427	"	27935
"	"	Ton Mileage (M. I. 5, page 13) ...		1884293	"	

Reference to Revenue Account.		DETAILS.	2nd Half of 1869	2nd Half of 1870			Per mile of line maintained.	Per mile of Track including Sidings.	Per Train Mile.	Per 1,000 Ton Miles.
Table and Main head.	Sub-head.		Total.	Total.	Increase.	Decrease.	D. 3.	D. 5.		
			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Pies	Rs a P.
IX. (A.) I		SUPERINTENDENCE—								
	1 & 2	Engineers' salaries and allowances ...		2982			17·76	16·41	4·45	0-2-6
	3 to 5	Inspectors' and Platelayers' salaries and allowances, including overtime ...	1215	1709	"	1605	2·80	2·59	7·04	0-0-4·0
	6	Office expenses		2519			16·78	15·51	4·22	0-2-5
If done Departmentally.	2	MAINTENANCE AND RENEWAL OF PERMANENT WAY—								
	1	Wages	35494	21074	"	14420	12·26	11·59	3·50	0-1-11
	2	Materials	32568	21761	"	10807	12·963	11·973	3·252	0-2-6
		REPAIRS OF BRIDGES, &c. WAGES AND MATERIALS—								
	1	Bridges Brid. Tunnels		369			2·19	2·03	0·56	0-0-3
	~~2~~	~~Tunnels~~	6305		"	3139				
	2	Miscellaneous ...		2797			16·65	15·39	4·28	0-2-5
		REPAIRS OF STATIONS AND BUILDINGS: WAGES AND MATERIALS—								
	1	Repairs of all except Staff Quarters ...		2067			12·30	11·37	3·09	0-1-9
	2	Repairs of Staff Quarters ...	2074	392	355		2·33	2·16	0·59	0-0-4·1
	5	MAINTENANCE BY CONTRACT—								
		UNCLASSIFIED EXPENDITURE—								
	1	Plantations								
	2	Tools and Plant ...	303	1374			8·18	7·56	2·05	0-1-2
	3	Less on Stores, &c. ...		309	1689		1·84	1·70	0·46	0-0-3
		TOTAL ...	88859	69962	2074	29971	36286	33542	9113	3-3-9

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TABLE E—I.

Maintenance of Way.

RAILS.

Number.	DETAILS.	Double-headed.	Bridge.	Flat-footed.	Others.	Total.
		68 lbs. per yd.	lbs.	lbs.		181 3/4 miles
1	Miles of rail in way, including sidings	181 3/4 miles				
2	Average age of rails in way at the middle of the half-year ...	12·5				
3	Rails inverted { Number ... / Miles ...					
4	Proportion inverted per mile of (1) rail	57				
5	Rails renewed { Number ... / Miles ...					
6	Proportion renewed per mile of (1) rail					
7	Average number of tons hauled over each kind of rail in the half-year...					
8	Thousands of tons hauled on an average over each kind of rail during the average age of rails in way (2)					

TABLE E—II.

Maintenance of Way.

SLEEPERS.

Number.	DETAILS.	Wood.						Iron.	
		Transverse.					Longitudinal Sal Sleeper 10″×5″	~~Pairs of~~ Oval Bowl ~~Bi-lin.~~ Sleepers	Sibley's Wrought-iron Sub-Way.
		Teak 10′×10″×5″	Sal 10′×10″×5″	Jungle 10′×9″×5″	Iron-wood 10′×10″×5″	Total.			
		No.	No.	No.	No.	No.	Lnl. Yds	No.	Lnl. Yds.
1	Number of sleepers in way, including sidings ...					143728			
2	Average age of sleepers in way at the middle of the half-year ...							15·5	
3	Number renewed ...					1743			
4	Ditto. per cent. of (1)...					1·213			

TABLE F.

Locomotive Department Expenses.

Reference to Revenue Account. Table & Main head.	Sub-head.		2nd Half of 1869. Total.	2nd Half of 1870. Total.	Increase.	Decrease.
XIV.	...	Train Mileage (D. I. 1, p. 7) ...	158362	128427	"	29935
		Ton Mileage (D. I. 28, p. 16) ...	"	15842934	"	"

Reference to Revenue Account. Table & Main head.	Sub-head.	DETAILS.	2nd Half of 1869. Total.	2nd Half of 1870. Total.	Increase.	Decrease.	Per Train Mile.	Per 1,000 Ton Miles.
			Rs.	Rs.	Rs.	Rs.	As. P.	Rs. P.
		General Superintendence—						
IX. (B.) 1	1 & 2	Salaries of Locomotive Superintendents and Assistants, including allowances ...						
	2 to 5	Ditto of Foremen, including allowances and overtime ...		2403			0-2-0	
	6	Office Expenses	8473	9034	561		0-7-8	
				254 6			0-2-2	
		Running Expenses—						
2	1 & 2	Wages of Drivers and Firemen, including overtime	23277	16184		5451	2-7-6	0-13-8
	3	Fuelling, cleaning and looking after Engines ...		1841			0-1-6	
	4	Contingent Expenses ...						
		Fuel—						
3	1	Coal	42083	34112	"	5741	1-13-0	
	2	Coke						
	3	Patent Fuel ...						
	4	Wood						
4	1, 2 & 3	Water—		1100			0-0-11	
5	...	Oil, Tallow, &c.—		1130	"		0-1-0	
		Maintenance and Renewals—	2754	4496	"	360	2-9	0-1-6
6	1 & 2	Wages, including overtime ...	32657	33773	116		5-0-4	0-2-10
	3	Materials	4487	11555	7068		1-7-2-8	0-10-0
7	...	Services of other Lines—						
8	...	Unclassified Expenditure—						
		Total ...	83939	86077	12690	11552	2-7-7	4-8-3

			Total Quantity.	Total Quantity.	Increase.	Decrease.	Quantity per Train Mile.	Quantity per 1,000 Ton Miles.
			Tons.	Tons.	Tons.	Tons.	lbs.	lbs.
IX. (B.) 3	1	Coal consumed ...	"	"	"	"		
	2	Coke do. ...	"	1676	"	"	29	197
	3	Patent Fuel consumed ...	"	"	"	"		
	4	Wood do. ...	"	261	"	"	5	31

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TABLE F—1.

Locomotive Power.

Reference to Revenue Account. Table & Main head.	Sub-head.	DESCRIPTION.	Passenger.	Goods ~~Passenger~~	Goods.	Tank.	Total.
		Locomotives ... Wheels coupled ...	4 Coupled	4 coupled	4 Coupled	4 coupled	
		Locomotives ... Weight on driving axle ...	9 Tons	10½ Tons	9½ Tons	8 Tons	
		Locomotives ... Total weight in steam, exclusive of tender ...	23½ Tons	29½ Tons	28 Tons	15 Tons	
XII.	...	1.—Number of Locomotives erected and made over to Locomotive Department	9	6	4	2	21
		2.—Average number of Locomotives constantly under repairs ...					5.60
		3.—Average number of Locomotives at work (1—2)		Daily train Engines			8
		4.—Train miles hauled by each class of Locomotives at work (3) ...	44,351	67,436	32459	11651	155,997
		5.—Average train miles hauled by each Locomotive at work (3) ... ... Per half-year ...	4928	11,239	8115	5775	30057
		Per day	27	61	44	31	
		6.—Average speed between stations of trains. Passenger ...	26 miles per hour		Through Mixed Trains		
		6.—Average speed between stations of trains. Goods ...					
		6.—Average speed between stations of trains. Mixed ...		18 miles per hour	Through Mixed Trains	Local Mixed Trains	
		7.—Average through speed of trains ... Passenger ...	20 miles per hour				
		7.—Average through speed of trains ... Goods ...					
		7.—Average through speed of trains ... Mixed ...		15 miles per hour		Local Mixed Trains	
		8.—Weight of coal, &c., used per train mile ... To be separated if possible among the classes of Locomotives.	26·3	28·7	22·7	9·3	
		9.—Weight of wood used per train mile ...	Wood not procurable in quantity to use				
		10.—Average gross weight of the trains hauled by each class of Locomotive					

TABLE J.

General Charges.

Reference to Revenue Account.		DETAILS.	2d half of 1869	2d half of 1870.			
Table and Main head.	Sub-head.		Total.	Total.	Increase.	Decrease.	Cost per Train Mile.
			Rs.	Rs.	Rs.	Rs.	As. Pies
IX. (E.) 1	...	Home Expenditure	3715	9411	5696		1513
		Salaries of Indian Management including Office					
2	1	Agent's Office, including travelling and other allowances		15283			16·53
	2	Auditor's Office, ditto. ...					
	3	Account's Office, ditto. ...					
	4	Pay Master's Office, ditto. ...					
	5	Store Department, ditto. ...	15336	1689		2581	2·72
	6	Medical Department, ditto. ...					
	7	Rents of Buildings & Lands ...					
	8–10	Contingencies, Stationery, and Medicine					
3	...	Police (*Total Charges*) ...		783			1·26
4	...	Advertising	26	68	42		·11
5	1 to 4	Electric Telegraph— Salaries, &c. ...					
	5	Maintenance (wages and stores)	3025	3827	824		6·15
6	...	Clearing Accounts with other Lines		22			·04
7	...	Unclassified Expenditure Loss on Stores ...					
		Total ...	22102	26083	6562	2581	41·94

TABLE K.

Steam Boat Service.

Reference to Revenue Account.		DETAILS.	1st half of 18	2d half of 187		
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.

IX. (G.) 1.	...	Law Charges—				
2		Compensation—				
	1	Claims for Goods, &c.	"	89	89	"
	2	Personal injury	"	1593	1593	"
3	...	Rates and Taxes—				
4		Contributions to Special Funds—	5000	5000		"
	1	Fire Insurance Fund ...	"	"		
	2	P. W. Renewal Fund	"			
	3	Casualty Fund ...	"	821	821	"
		Value of boats purchased				
		Total ...	5000	7506	2506	"

ANALYSIS OF CARRYING COST.

(*See Sketch Revenue Account, p.*)

TABLE M.—I.

Definitions.

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

Approximate weight of units to be adopted in these calculations

	Cwt.		Cwt.
Coaching—		*Coaching*—contd.	
1st Class Passenger with free luggage	1·75	A Horse ...	6·75
2nd " " "	1·75	A Dog ...	0·20
3rd " " "	1·25	*Goods*—	
4th " " "	1·25	A Head of horned cattle. ...	5·00
A carriage (average for 2 and 4 wheeled)	6·75	A head of sheep, goats, &c. ...	0·50

Data for calculating the incidence 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 Contents in units of each Vehicle. No. (c)	Average Contents in units of each Vehicle. Weight in Tons. (d)	Average weight of Rolling Stock in Tons. (e)	Total average weight including contents of each Vehicle in Tons. (f)	Ratio of weight of paying to total load. (g)	Ton Mileage. Profitable. (h)	Ton Mileage. Unprofitable. (i)	Gross Ton Mileage. (k)
	COACHING—										
1	1st Class ...	38644	32945	0·863	0·0746	6·7048	6·7746	0·0875	261·594		
2	2nd " ...	81092	218980	2·700	0·2263	6·7000	6·9863	0·03407	562·478		
3	3rd " ...	581889	11,377,814	19·554	1·1221	5·9250	7·1471	0·17099	4,158,619		
4	4th " ...	"	"	"	"	"					
5	Carriage Trucks ...	5091	3285	0·645	0·0278	6·0625	5·2803	0·01125	26,882		
6	Horse Boxes.	16909	10,602 Dogs 8,375 Horses	0·627 0·495	0·0068 0·2167						
7	Luggage Vans ...	21,829	4,575	0·223	0·2220	20·675	7·3105	0·03060	123,613		
8	Total Coaching Vehicle Mileage ...	743424				5·9250	6·1346	0·03416	133,912		
9	Passenger Engines & Tenders ...	52,681									
10	Passenger Brake-vans	14,428		1·00	0·0875	5·9250	6·0125			1359,677	
11	Total Coaching Ton Mileage ...									86781	
									426,298	1476448	6,743,746

ANALYSIS OF CARRYING COST.—(*Continued.*)

	DETAILS.	Total Mileage of each description of Rolling Stock. (a.)	Total Mileage of units of Traffic. (b)	Average Contents in units of each Vehicle. No. (c.)	Average Contents in units of each Vehicle. Weight in Tons. (d)	Average weight of Rolling Stock in Tons. (e)	Total average weight including contents of each Vehicle in Tons. (f.)	Ratio of weight of paying to total load. (g)	Ton Mileage. Profitable. (h.)	Ton Mileage. Unprofitable. (i.)	Gross Ton Mileage. (k.)
	GOODS—										
12	Goods Vehicles ...	1321872	1660503		1·2467	5·8546	7·1012	0·17557	9,467,773		
13	* Minerals (public).										
14	Total Goods Vehicle Mileage ...	1331872									
15	Goods Engines and Tenders...	94.159				26·1044				2,446,212	
16	Goods Brakes.	25.780		1·00	0·0875	5·9250	6·0125			155,002	
17	Total Goods Ton Mileage ...								9,467,773	2,601,214	12,068,988
	MISCELLANEOUS FOR STORES CARRIED FREE ON REVENUE ACCOUNT—										
18	For Traffic Department										
19	" Locomotive Department										
20	" Engineering Department										
21	Engine Tow mileage.										
22	Total Miscellaneous Ton Mileage ...										18,812,934
23	TOTAL GROSS TON MILEAGE ...										

M.—II.

Division between Coaching and Goods of the Expenditure of Departments.

DETAILS.	Maintenance. (a)	Locomotive. (b)	Carriage and Wagon. (c)	Traffic. (d)	General. (e)	Special Expenditure Total. (f)	
Expenses due to Coaching	20488	30235	4306	12325	8596	1939	77889
" Goods	36758	54,245	8,278	22,021	15423	3479	140,204
TOTAL...	57.246	84.480	12.584	34.346	24.019	5,418	218093

Deductions have been made on account of Miscellaneous Receipts.

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.	Total Coaching Stock.	Goods Vehicles	Mineral Trucks.	Total Goods Stock, &c.
Maintenance (a)...	1018	2188	16.176	"	105	481	520	20488	36758	"	36758
Locomotive (b) ...	1.502	3229	23872	"	154	710	768	30235	54.245	"	54245
Carriage and Wagon (c) ...	223	469	3.362	"	29	97	126	4.306	8.278	"	8278
Traffic (d) ...	638	1.342	9.622	"	84	279	360	12,325	22,021	"	22,021
General (e) ...	445	985	6711	"	59	195	251	8.596	15,423	"	15.423
Special and miscellaneous (f)	100	211	1614	"	13	44	57	1939	3479	"	3479
TOTAL...	3926	8,374	6,257	"	444	1806	2082	77859	140,204	...	140,204

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.	Goods Vehicles.	Mineral Trucks.
	Pies.	Pies.	Pies.	Pies.	Pies.	Pies.	Pies.	Pies.	Pies.
Maintenance*	5·06	5·18	5·34	"	3·96	5·46	4·68	5·80	"
Locomotive*	7·47	7·64	7·88	"	5·81	8·06	6·76	7·82	"
Carriage and Wagon* ...	1·11	1·11	1·11	"	1·11	1·18	1·11	1·19	"
Traffic*	3·18	3·18	3·18	"	3·18	3·18	3·18	3·18	"
General*	2·21	2·21	2·21	"	2·21	2·21	2·21	2·21	"
Special & miscellaneous	50	50	50	"	50	50	50	50	"
TOTAL...	19·53	19·82	20·22	"	16·77	20·52	18·84	20·20	"
Cost per Unit†	2·89	7·34	1·03	"	2·99	18·28	87·50	16·20	"

M.—V.

Statement showing in comparison the Receipts and the Carrying Cost per unit per mile of Coaching and Merchandize Traffic.

DETAILS.	Average Receipt per unit per mile. (a)	Actual Cost per unit per mile. (b)	Profit or Loss per unit per mile.	Proportion per cent. of Profits to Receipts.
	Pies.	Pies.	Pies.	Pies.
COACHING—				
1st Class	17.92	22.89		
2nd "	4·96	7.34	Profit 2·25	68.60
3rd "	3·28	1·03		
4th "	"	"		
Carriages	24·00	25.99		
Horses ...	15·00	18.28		
Luggage	67.77	87.50		
GOODS—				
Goods	18.86	16.20	Profit 2·66	14·10
Minerals				

Madras
20th October 1873

Major R.E.
Chief Engineer for Railways

Sketch Revenue Account for the Specimen Analysis of Cost.

EXPENDITURE.	Rs.	RECEIPTS.	Rs.
Maintenance of Way ...		Coaching—	
Locomotive Expenses—		1st Class Passengers ...	
Superintendence ...		2nd " ...	
Working, Passenger Train...		3rd " ...	
Do. Goods ...		4th " ...	
Carriage and Wagon Department—		Carriages ...	
Carriage Repairs ...		Horses ...	
Wagon		Luggage, Parcels, &c. ...	
Greasing, &c. ...		Merchandize—	
Traffic Department ...		Goods ...	
General Charges ...		Minerals ...	
Total...			
Balance...			
GRAND TOTAL...		GRAND TOTAL...	

Passenger Train Mileage ... ...
Goods " ... ...
" " ... ...
" " ... ...
Total ... ...

Dr. **Great Southern of India Railway.** Cr.

Statement of Revenue Account for half year ending 31st December 1870.

	Amount.	Train Miles 1,19,120 / Cost per train Mile.	Per centage of working Expenses.	Per centage of Revenue.		Amount.	Earnings per train Mile.
		Annas.					Annas.
To Maintenance of Way & Works (A)	60,962 6 3	8. 17	26. 78	15. 80	By Coaching Traffic (Abstract H)	2,13,046 13 ...	28. 55
„ Locomotive Expenses (B)	85,076 9 1	11. 40	37. 35	22. 05	„ Goods Do. (Do. I)	1,63,166 ... 11	21. 86
„ Carriage & Waggon Expenses (C)	13,761 7 7	1. 84	6. 04	3. 57	„ Electric Telegraph Receipts ...	2,058 6 8	„ . 27
„ Traffic Expenses (D)	34,361 5 10	4. 60	15. 08	8. 91	„ Sundry Do. (Abstract K)	7,505 1 8	1. 00
„ General Charges (E)	26,082 11 4	3. 50	11. 45	6. 76			
„ Special and Miscellaneous (G)	7,506 0 5	1. 00	3. 30	1. 95			
	2,27,750 8 6	30. 51	100. 00	59. 04			
To Balance...	1,58,025 13 9	21. 17	„ „	40. 96			
Rupees...	3,85,776 6 3	51. 68	100. 00	100. 00		3,85,776 6 3	51. 68

Negapatam,
13th March 1871.

Chief Auditor.

Assistant Controller D. P. W. Railway Branch.

Agent and Traffic Manager.

Major R.E.

Acting Consulting Engineer for Railways.

ABSTRACT A

Maintenance of Way and Works.

Salaries, Office Expenses and General Superintendence				
Engineer's Salary ...	...	...	10,510	8 ...
Do. Allowances ...	2,796	5 8		
Inspectors' Salaries ...	185	13 8		
Do. Allowances ...	4,438	14 ...		
Office Expenses ...	270	... ...		
...	2,819	6 8		
Maintenance and Renewals Permanent Way ...	...	...	42,834	8 9
Wages	21,073	8 8		
Material	21,761	... 1		
Repairs to Bridges &c. Wages and Material ...	...	...	3,166	9 11
Bridges	369	4 7		
Miscellaneous, including earthwork &c. ...	2,797	5 4		
Repairs to Stations and Buildings. Wages and Materials	...	...	2,459	7 ...
Repairs of Stations, Buildings &c. ...	2,067	1 9		
Do. of Staff Quarters. ...	392	5 3		
Unclassified Expenditure	...	...	1,991	4 7
Plantations	1,373	5 9		
Tools and Plant	308	12 ...		
Miscellaneous	309	2 10		
			60,962	6 3

Mileage Statement.

	Miles.
Lines owned by Company sanctioned not commenced ...	—
do. do. under construction ...	—
do. do. constructed not worked ...	—
do. do. do. worked by Company ...	168
do. do. do. do. by others ...	—
	168
Lines worked by Company	
Its own	168
Foreign	
	168
Foreign lines worked over by Company	—

ABSTRACT B

Locomotive Expenses.

			13,983	... 6
General Superintendence	2,138	2 ...		
Locomotive Superintendent's Salary ...	265	... 9		
Allowances ...	7,800	7 2		
Do. Do. ...	1,079	14 8		
Foremen's and Fitters' Salaries ...	153	7 9		
Do. Allowances ...	2,546	... 2		
Do. Overtime ...				
Office Expenses ...				
			18,027	8 ...
Running Expenses	13,791	1 ...		
Wages of Drivers and Firemen ...	2,392	15 ...		
Overtime and allowances	1,843	8 ...		
Fuelling and cleaning Locomotives ...	...	... ...		
Contingent expenses ...				
			35,212	4 5
Fuel	34,111	13 5		
Coal Tons 1675 Cwt. 14 ...	...	... ...		
Patent Fuel „ „ 10 Qr. 2 ...	1,100	7 ...		
Wood „ 261 „				
			1,129	14 10
Water	...	... ...		
Pumpers' Wages	944	8 ...		
Coal &c. for Pumping Engines ...	14	7 11		
Maintenance and renewals of do.	170	14 11		
			1,795	9 7
Oil, Tallow, Waste &c.	...	... ...		
Oil, Tallow, Waste, Grease &c. ...	1,360	15 4		
Small Stores	434	10 3		
			14,928	3 9
Maintenance and Renewals of Locomotive Engines and Machinery	...	... ...		
Wages	3,263	8 7		
Overtime allowances	109	11 9		
Materials	11,554	15 5		
			85,076	9 1

Statement of Train Mileage.

	Miles.
Train miles run for Traffic Department	1,19,420
Do. Locomotive do.	—
Do. Maintenance do.	9,006½
Total..	1,28,426½
	Hrs. Mins.
Hours of assisting engines	3 „ 30
„ of shunting and piloting	4,511 „ 31
„ of miscellaneous service	1,221 „ 3
Total.... ...	5,736 „ 4

ABSTRACT C

Carriage and Waggon Expenses.

General Superintendence					...	...	...	1,479	4	7
Salary of Locomotive Superintendent					305	7	...			
Allowances of Do.					19	15	3			
Foremen's and Fitters' Salaries					851	12	2			
Do. Allowances					...	7	2			
Do. Overtime					7	1	4			
Office Expenses ...					294	9	2			
Repairs and Renewals of Vehicles										
Coaching Vehicles ...					...	...	..	9,454	1	3
Wages			751	5	1					
Overtime			3	13	6					
Material			2,427	11	11	3,182	14	6		
Goods Vehicles										
Wages			969	5	8					
Overtime			33	7	2					
Material			3,268	6	1	6,271	2	11		
Cleaning and oiling Carriages and Waggons ...						...	...		1,871	2	2
Labour ...						647	7	6			
Stores ...						1,223	10	8			
Proportion of Carriage and Waggon Shop Superintendence chargeable to Revenue ...						...	...	.	956	15	5
									13,761	7	7

ABSTRACT D

Traffic Expenses.

Salaries Wages &c.					...	...	...	21,502	2 10
General Superintendence					4,049	...	...		
Assistant Traffic Manager's Salary...	3,000	..	...						
Do Allowances ..	455	...	...						
Office Establishment ..	594	...	...						
Station Staff									
Station Masters, Clerks &c				..	14,593	12	10		
Train Staff									
Guards, and Assistant Guards. ...				..	2,859	6	...		
Lighting and General Stores									
General Stores for Stations &c. ...				...	...	...	...	4,028	7 3
Waggon Covers and Ropes ...				...	1,321	5	11		
Office and Station fittings ...				...	2,530	...	9		
				..	177	...	7		
Clothing Guards, Porters &c. ...								423	10 ...
Printing, Stationery and Tickets ...				...	...	...	...	1,962	8 1
Miscellaneous expenses ...				...	...	...	...	234	8 6
Services of other lines ...				..	...	...	...	6,210	4 2
Use of Erode Station including rent				..	5,553	15	3		
Mileage of Foreign Stock. ...				..	656	1	11		
								34,361	5 10

ABSTRACT E

General Charges.

Home Expenditure :...					...	...	...	9,411	... 7
Directors' Fees, Salaries and Rent ...					5,956	5	10		
Consulting Engineer & Inspection of Material					2,498	2	7		
Office Expenses and Medical Fees ..					956	8	2		
					...	...	...	11,971	13 11
Salaries of Indian Management ...				..	10,282	11	7		
Agency Department ...				..	1,689	2	4		
Stores Do. ...								372	8 3
Contingencies including Furniture ...				...	...	...	..	298	11 ..
Stationery ...				..	...	...	...	111	15 ...
Medicines				...	...	...	...	67	12 6
Advertising				...	...	...	...	3,848	13 11
Electric Telegraph				...	835	6	...		
Salaries				..	2,091	15	11		
Working Establishment ...				..	21	8	...		
Maintenance. Labour and Stores								26,082	11 4

ABSTRACT G

Special and Miscellaneous Expenses.

Law Charges					3	4	4
Compensation. Goods					88	14	5
Rates and Taxes					1,592	14	5
Fire Insurance Fund					5,000	...	...
Value of Boats purchased for use of employés					820	15	3
					7,306	..	5

ABSTRACT H

Coaching Traffic.

	1st Class.		2nd Class.		3rd Class.		Total.	
	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.
Ordinary Fares	508	2,695 11	3,684	4,244 4	3,46,456	1,71,416 4	3,50,648	1,78,356 3 ...
Excess do.	24	77 14	189	92 10	416	172 ...	629	342 8 ..
Return do.	82	300 1	2,120	1,228 9	30,962	20,744 6	33,164	22,273 ... ...
Troops & Police	...	... ...	37	80 8	1,791	1,940 12	1,828	2,021 4 ..
	614	3,073 10	6,030	5,645 13	3,79,625	1,94,273 6	3,86,269	2,02,992 15 ..
Passengers' Luggage..							..	1,614 9 ...
Horses, and Carriages and Dogs							..	1,932 14 ..
Parcels							...	6,280 2 ...
Special Trains							...	156 ... ..
Post Office Parcels							...	70 5 ...
							Rupees.....	2,13,046 13 ...

ABSTRACT I

Goods Traffic.

		Weight in Tons.			
Merchandize General	...	35,773 40	1,61,570	3	..
Railway Materials	...	367. 73	1,197	10	..
Live Stock	...	...	304	4	..
Rent and Demurrage	...	...	93	13	11
			1,63,166	..	11

ABSTRACT K

Sundry Receipts.

Interest on Revenue Balances	...	...	...	1,488	2 8
Mileage of Vehicles over foreign lines	...	...	...	1,103	13 9
Bungalow Rents	...	...	...	1,740	8 8
Fees on Share Transfers	...	...	...	600	.. ..
Shunting Service at Erode	...	...	...	294	1 8
Sale of Revenue Stores	...	...	...	2,978	6 6
		...	...	...	.. ..
Maintenance of Way and Works		...	1,880	14 9	... ..
Carriage and Wagon Repairs		...	73	6 9	... ..
Traffic Department		...	14	15 2	... ..
General Charges		...	5	13 10	... ..
Locomotive Expenses		...	303	4 ...	... ..
				7,505	1 8

Statement of Net Profits of the Great Southern of India Railway for the half year ending 30th June 1870

	Rs	A	P	Rs	A	P
To Balance as per last Account				165	7	6
" Gross Earnings as per Rev: Account	385,776	6	3			
To Gross Transfer Fees received in England	600	..	..			
	385,176	6	3			
By Traffic Earnings paid to Govt during the half year				367,697	"	3
Deduct earnings paid during July and August 1870, taken to account in the half-year ending 30th June 1870				21,503	5	6
				346,193	10	9
By Traffic Earnings of previous half years paid to Govt during January and February 1871				38,949	12	6
				385,143	7	3
Total Traffic receipts						
Balance, i.e. traffic earnings up to December 1870 unrealized on 1st March 1871:				198	6	6
Outstanding at Stations	Rs	A	P			
Public Companies and Traders	193	13	6			
	4	9	0			
Total	385,341	13	9	Total	385,341	13

	Rs	A	P	Rs	A	P
Traffic receipts paid to Govt as per above statement				385,143	7	3
Deduct Working Expenses as per Revenue Account	227,750	8	6			
Gross Transfer Fees received in England	600	0	0	227,150	8	6
Balance being net profits for the six months				157,992	14	9

Negapatam 13th March 1871

Signed J. Smith Chief Auditor

Signed W. F. Bell Agent & Locomotive Manager

Examined & found correct (Signed) L. M. Johnson Asst Controller

Approved & passed. (Signed) C. J. Smith Capt. R. E. Off Cons: Engr for Rys

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P. Songlt

I hereby certify that the whole of the Company's Permanent-way, Stations, Buildings, Telegraph, Fencing, &c., have, during the past half-year, been maintained in good working condition and repair.

Secundrabad
14th January 1871

(Signed) B. C. St. John
Resident Engr.

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.

Negapatam
13th March 1871

(Signed) E. G. Pheard.
Locomotive & Carriage
Superintendent

I hereby certify that the Certificates given above by the Railway Officials are correct.

Madras
18th March
1871

(Signed) C. J. Smith. Capt. R. E.
Govt. Insp. for Railways

Dr. 5.019/1

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 part there of 50 miles, above 100 miles. Perishable articles are conveyed in waggons by "Goods" Train at 3 Annas per mile per truck-load of five or any less number.

East of Madras Railway.

Rates and distances from Egmore Station.

For Goods.

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

For Parcels.

Distance	10 lbs and under 20 lbs	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
	As. P.	As. P.	As. P.	As. P.	As. P.	As. P.	As. P.	As. P.	As. P.
1 to 50 miles	0 6	0 6	0 8	0 12	1 3	1 8	1 14	2 4	2 10
51 to 100 "	0 6	0 9	0 12	1 3	1 10	2 2	2 10	3 0	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	6 2	7 2	8 8	9 10

For

For Fish, Meat and Vegetables.

	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
	As. P.	As. P.	As. P.	As. P.	As. P.	As. P.	As. P.	As. P.
1 to 50 miles	0 3	0 6	0 9	0 12	0 15	1 2	1 8	2 0
51 to 100 "	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

1st class	82 lbs	Free
2 "	25 "	
3 "	15 "	

All luggage in excess of these quantities (whether in the owners charge or not) 2 pies per 82 lbs per mile

For Horses, Carriages and Dogs.

Each Horse	1½	Annas per mile	
Two horses (if one pro tem)	2¼	16	"
Three horses (Do)	3	"	0
Four wheeled Carriage	2½	"	0
Two wheeled Do	1½	"	"
Palanquin	1	"	0

CONSULTING ENGINEER'S OFFICE.

Railway Department.

No. 453.

From Major H. L. Prendergast R.E.
Acting Consulting Engineer for Railways,

To Colonel J. Carpendale R.E.
Secretary to Government,
Public Works Department,
Fort Saint George.

Sir,

I have the honour to submit the Revenue Account and Traffic Analysis of the Great Southern of India Railway for the half year ending 31st December 1870, together with a short note thereon.

I have the honour to be,
Sir,
Your most Obedt. Servant
Madras
20th October 1871
H. L. Prendergast Major R.E.
Acting Consulting Engineer
for Railways.

Bogo

a	1 to 50 miles	Rs 0	A 8 P 6
f	51 to 100	1	0 0
f	101 to 150	1	4 0 0
a	151 to 200	1	8 0 0
c	201 to 250	1	12 0 0
a	251 to 300	2	0 0 0
f	301 to 350	2	4 0 0
	251 to 400	2	8 0 0

P. B. Smith Jr.

Railway Department.

No. 5017

From

The Consulting Engineer
for Railways,

To

The Secretary to Government,
P. W. Department,
Fort St. George.

Dated 20 } October 187
Received 23 }

No. 453

Submitting the Revenue Accounts and Traffic Analysis of the G. S. of I. Railway for the half-year ended 31st December 1870

Ref 2960-2971-24th Nov.

Ref 426

of the Traffic operations of
the Great Southern of
India Railway for the
Half year ending 31st
December 1870, accompanie
.ed by a Memorandum
by the Acting Consulting
Engineer for Railways.

Cl. 10 C.

[illegible] Volumes.

PUBLIC WORKS.

Consulting Engr for Railways.

and Secretary to the Govt of India

Pkt. 7

24 Nov 91. Nos 297 c-29[illegible]

Nos 426-427 & 428