Public Works (1899) Department.

RAILWAY BRANCH.

G.O., No. 484-85 Ry

DATED 29th April 1899

100/3/70/1

[Despatch Abstract.]

Capital and Revenue Accounts, S. of I. Ry.

Ordered that the Chief Auditor's note on the _____ for the half-year ended the 31st December 1898, be forwarded to the Govt of India and to the Secretary of State.

Forwarding copy of Proceedings embodying the Chief Auditor's note on the _____ for the half-year ended the 31st December 1898.

Indexed

BACK PAPERS.

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

FURTHER PAPERS.

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

RAILWAY.

Government {1899} of Madras.

PUBLIC WORKS.

Recd. } 1899. *Enclosures*

Regd. } *Spare copies*

G.O., Nos. 484, 485 Ry., 28th April 1899

APRIL.

Capital and Revenue Accounts, South Indian Railway

Forwarding copy of Proceedings embodying the Chief Auditor's note on the — for the half-year ended the 31st December 1898.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Railway.

Read the following papers :—

From—The Agent, South Indian Railway.
To—The Consulting Engineer for Railways, Madras.
Dated—Trichinopoly, 3rd April 1899, No. 293.

Chief Auditor's Note on the Capital and Revenue Accounts of the South Indian Railway for the half-year ended 31st December 1898.

CAPITAL.

Statement V.—The outlay during the half-year included a credit of Rs. 22,53,790 on account of the capital cost of the section of the line between Gudur and Nellore, transferred to the Bezwada-Madras Railway under the sanction of the Government of India No. 1415 R.C., dated 30th August 1897.

The ordinary outlay amounted to Rs. 1,19,387, incurred chiefly under "stations and buildings" on account of the re-arrangement of Gudur station and on "rolling-stock" due to construction of composite and tri-composite carriages sanctioned by G.O., Nos. 148 R., dated 27th January 1898, and 1052 R., dated 15th August 1898.

2. *Statements VI and XVIII.*—The total capital outlay to end of December 1898 including suspense accounts was Rs. 7,45,26,344 and excluding suspense accounts, Rs. 7,21,86,970. The latter figures gave on the total open mileage, 1,017·88, an average cost of Rs. 70,919 per mile.

REVENUE.

3. *General Results.*—The following table shows the general results of the working :—

—	Second half of 1897.	Second half of 1898.	Increase or Decrease.	Percentage of increase or decrease.
	MILES.	MILES.	MILES.	
Mean mileage worked	1,041·59	1,033·73	7·86	0·75
Train mileage	1,757,473	1,709,237	48,236	2·74
	NO.	NO.	NO.	
Average number of trains over the whole line daily in both directions	9·17	8·99	·18	..
	RS.	RS.	RS.	
Gross earnings	45,57,345	41,18,526	4,38,819	9·63
Working expenses	24,69,938	23,04,282	1,65,656	6·71
Net Earnings	20,87,407	18,14,244	2,73,163	13·09
Percentage of working expenses to gross earnings	54·20	55·95	1·75	..
Percentage of net earnings on capital outlay including suspense	2·72	2·43	·29	..

4. The gross earnings per mean mile worked per week averaged Rs. 153·24 against Rs. 168·28 and were realized at a cost of 55·95 per cent. against 54·20 per cent. during the corresponding period of 1897.

5. The percentage of working expenses to gross earnings for the year 1898 was 54·50 against 53·01 for 1897 and the percentage of net earnings on the total capital outlay including suspense for 1898 was 5·17 against 5·63 of the previous year.

6. The net earnings with the adjustment shown in statement No. XIX gave, after deducting interest charges and the additional contribution to Provident fund, a surplus of Rs. 6,30,166, of which the Company's share was Rs. 1,18,351 and the Government's Rs. 5,11,815.

7. The contributions to the Provident Institution during the half-year were Rs. 18,094 as under :—

	RS.
Fifty per cent. of compulsory deductions charged to working expenses	12,445
Additional contribution as per surplus profits, statement XIX ...	5,649
Total ...	18,094

8. *Gross Earnings.*—The following table shows the gross earnings for the two half-years :—

—	Second half of 1897.	Second half of 1898.	Increase or decrease in amount.	Percentage of increase or decrease.
	RS.	RS.	RS.	
Coaching	23,69,889	20,56,133	3,13,756	13·24
Goods	19,88,964	19,79,569	9,395	47
Electric telegraph	10,135	10,448	313	3·09
Sundries	1,88,357	72,376	1,15,981	61·58
Total ..	45,57,345	41,18,526	4,38,819	9·63

9. *Abstract H—Coaching Traffic.*—The number of passengers carried in the several classes including police, troops and season ticket holders, and the earnings therefrom compare as follows :—

—	First class.		Second class.		Third class.		Total.	
	Number.	Earnings.	Number.	Earnings.	Number.	Earnings.	Number.	Earnings.
		RS.		RS.		RS.		RS.
Second half of 1897	9,213	30,961	67,550	80,400	6,175,284½	21,35,096	6,252,047½	22,46,457
Second half of 1898	12,247	40,276	50,184½	73,537	5,414,768	18,15,383	5,477,199½	19,29,196
Increase	3,034	9,315	..	..	..	..	..	..
Decrease	..	..	17,365½	6,863	760,516½	3,19,713	774,848	3,17,261

10. The above table shows a net decrease of 774,848 in the numer of passengers carried and Rs. 3,17,261 in receipts during the half-year ending December 1898.

The decrease was chiefly due to plague precautionary measures adopted by Government and to unfavourable season on account of which local festivals were poorly attended.

The breaches in the main line in November and December 1898 affected this traffic to some extent. The transfer of the Nellore-Gudur section to the East Coast Railway in November 1898 accounts also for a small decrease.

11. *Other Coaching Traffic.*—The fluctuations in other coaching traffic are shown in the following table :—

	Increase.	Decrease.
	RS.	RS.
II. Passengers' luggage	...	2,741
III. Military baggage	83	...
IV. Carriages, horses, dogs, &c.	...	2,019
V. Military carriages, horses, &c.	...	85
VI. Parcels	5,286	...
VII. Special trains	46	..
VIII. Miscellaneous	...	37
IX. Post office	3,272	...
Total ...	8,687	4,882

12. *Abstract I—Goods Traffic.*—The following is a summary of the tonnage of goods lifted and the earnings therefrom as compared with the corresponding period of 1897 :—

—	Second half of 1897.		Second half of 1898.	
	Quantity.	Earnings.	Quantity.	Earnings.
	TONS.	RS.	TONS.	RS.
Merchandise, general	432,648	18,96,600	423,245	18,82,179
Military stores	28	744	19	364
Railway materials for construction	4,166	3,964	61,758	6,518
Coal	22,980	30,900	18,775	24,894
Revenue stores	222,283	41,502	268,495	51,179
Other goods traffic	..	15,224	..	14,435
Total ..	682,105	19,88,964	772,292	19,79,569

13. *Merchandise general.*—The traffic under this head shows the following results as compared with the corresponding period of 1897 :—

Tonnage	Decrease.	9,403	or 2·17 per cent.
Ton-mileage	,,	2,406,926	or 6·01 ,,
Earnings	,,	14,421	or 0·76 ,,

14. The average rate charged per ton per mile was 9·61 pies against 9·10 pies in the corresponding period of 1897.

15. *Railway Materials for construction—Increase of tons* 57,592 *and Rs.* 2,524.—Increase due to a greater quantity of ballast carried.

16. *Coal—Decrease of tons* 4,205 *and Rs.* 6,006.—The decrease was chiefly under "Coal for the Locomotive Department."

17. *Revenue Stores—Increase of tons* 46,212 *and Rs.* 9,677.—There was increase in the ballast carried for maintenance of the line and in the carriage of "Wood and patent fuel for the Locomotive Department."

18. The following table shows some of the principal commodities included above under the head of "Merchandise, general" carried during the two half-years under comparison :—

—	Second half of 1897.		Second half of 1898.	
	Quantity.	Amount.	Quantity.	Amount.
	TONS.	RS.	TONS.	RS.
Cotton, raw	6,745	43,594	6,726	40,878
Do. manufactured	10,413	1,20,704	9,326	1,09,321
Dyes and tans	6,178	49,496	6,037	51,174
Grain and pulse	137,984	4,71,714	115,266	4,54,528
Hides and skins	4,738	47,527	5,110	47,666
Jute	3,645	22,318	3,077	19,501
Metals	7,113	62,946	6,832	56,064
Oils	8,976	64,179	8,896	67,197
Oil-seeds	11,393	50,724	11,792	50,397
Provisions	13,567	78,518	13,753	75,733
Railway plant and rolling-stock	12,876	34,426	3,476	5,787
Salt	34,366	1,26,710	31,628	1,15,704
Spices	9,551	83,553	8,167	64,975
Stone and lime	48,195	59,958	66,183	67,545
Sugar	26,101	1,46,068	32,916	1,97,524
Timber	29,511	49,864	34,873	48,983
Tobacco	3,539	20,042	3,637	21,236
All other articles of merchandise	53,114	3,24,454	51,933	3,46,743

19. *Cotton, manufactured—Decrease of tons* 1,087 *and Rs.* 11,383.—The decrease was chiefly under "Piece-goods (European)" from Madras to the South Arcot, Tanjore and Southern districts and from Tuticorin to Madura. The demand for these goods was less than in the corresponding period.

20. *Grain and Pulse—Decrease of tons* 22,718 *and Rs.* 17,186.—The chief fluctuations in traffic under this head are as under :—

	Increase.	Decrease.
	RS.	RS.
Rice in the husk	1,02,195	...
Rice not in the husk	...	1,17,479
Jawar and Bajra	...	22,241
Grain and Pulse	18,432	...

Owing to bad crops in the South Arcot, Tanjore, Trichinopoly, Chingleput and Madura districts due to untimely rains, the export of "Rice not in the husk" was less than in the 1897 period.

Failure of crops in the Southern districts attracted a large quantity of "Rice in the husk" from the Tanjore and Trichinopoly districts.

Famine in Northern India having subsided, less quantity of "Jawar and Bajra" was exported.

Import of "Grain and Pulse" at Negapatam for the Madura and Tinnevelly districts was considerably more.

21. *Railway Plant and Rolling-stock—Decrease of tons* 9,400 *and Rs.* 28,639.—In the corresponding period of 1897 there was exceptional traffic in materials carried from Ennur and Salt Cotaurs to Gudur, Venkatachellam and Nellore for the Madras-Bezwada Railway.

22. *Salt—Decrease of Tons* 2,738 *and Rs.* 11,006.—Owing to the low cart rates, stations near Tuticorin and others along a portion of the East Coast were served by country carts.

23. *Spices—Decrease of Tons* 1,384 *and Rs.* 18,578.—About Rs. 10,000 of this decrease was in "Chillies" from Madras, Vellore, Negapatam and the Tinnevelly district to the Tanjore, South and North Arcot districts owing to overstocking in the latter in previous half-year, and about Rs. 7,000 in "Betel-nuts" from Tuticorin to Madura and the South Arcot district and from Negapatam to stations on foreign railways on account of smaller imports from Penang, Singapore and Colombo.

24. *Stone and Lime—Increase of Tons* 17,988 *and Rs.* 7,587—chiefly on boulders carried from Pallaveram to Madras for the Harbour works.

25. *Sugar—Increase of Tons* 6,815 *and Rs.* 51,456.—The increase was under "Sugar, unrefined" from Tinnevelly to Arcot for the Arcot Sugar factories. The production of jaggery in the Tinnevelly district was considerably over the average.

26. *All other articles of merchandise—Decrease of Tons* 1,181 *and increase of Rs.* 22,289.—Longer lead gave a larger income. Nearly Rs. 15,000 of the increase was under cocoanuts from the Tanjore and Trichinopoly districts to stations on the Southern Mahratta Railway owing to the crops being above the average, and about Rs. 7,000 under "Cotton seeds" from the Southern Mahratta Railway to stations in the Tanjore district.

27. *Working Expenses.*—The working expenses of the two half-years compared as follows :—

—	Second half of 1897.		Second half of 1898.		Increase or decrease in amount.	Percentage of increase or decrease.
	Amount.	Percentage of gross earnings.	Amount.	Percentage of gross earnings.		
	RS.		RS.		RS.	
Maintenance	5,91,171	12·97	4,30,640	10·46	1,60,531	27·15
Locomotive	8,73,705	19·17	8,60,121	20·88	13,584	1·55
Carriage and wagon	2,38,042	5·23	2,53,142	6·15	15,100	6·34
Traffic	4,18,876	9·19	4,01,135	9·74	17,741	4·24
General charges	3,09,023	6·78	3,06,570	7·44	2,453	·79
Steam boat service	..	..	..	..	..	..
Special and Miscellaneous ..	39,121	·86	52,674	1·28	13,553	34·64
Total ..	24,69,938	54·20	23,04,282	55·95	1,65,656	6·71

28. To admit of ready comparison being made the proportionate expenditure under each minor head chargeable to South Indian, Mayavaram-Mutupet, Pondicherry and the Peralam-Karaikkal Railways is shown in the annexed tables.

29. *Abstract A—Maintenance of Way, Works and Stations—Decrease of Rs.* 1,60,531.

December 1897. Total.	Pondicherry Railway.	Mayavaram-Mutupet Railway.	South Indian Railway.	—	December 1898. South Indian Railway.	Mayavaram-Mutupet Railway.	Pondicherry Railway.	Peralam-Karaikkal Railway.	Total.
Rs.	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.	Rs.	Rs.
1,23,325	474	3,496	1,19,355	I. General superintendence ..	1,15,933	3,467	448	365	1,20,213
4,49,827	1,729	12,753	4,35,345	II. Maintenance and renewal of permanent-way ..	2,52,318	7,546	975	795	2,61,634
31,769	122	901	30,746	III. Repairs of bridges, &c., wages and materials	33,041	988	128	104	34,261
23,305	90	661	22,554	III-A. Conservancy of rivers, &c.	..	..	..	..	..
..	..	..	..	IV. Repairs of stations and buildings, wages and materials.	22,924	686	89	71	23,770
8,369	32	237	8,100	V. Maintenance by contract ..	..	..	..	..	..
54,233	208	1,538	52,487	VI. New minor works	5,309	159	20	17	5,505
				VII. Unclassified expenditure ..	35,129	1,051	136	110	36,426
6,90,828	2,655	19,586	6,68,587	Total ..	4,64,654	13,897	1,796	1,462	4,81,809
79,991	307	2,268	77,416	*Deduct*—Value of stores returned to stock	34,014	1,017	131	108	35,270
6,10,837	2,348	17,318	5,91,171	Total ..	4,30,640	12,880	1,665	1,354	4,46,539

II. Maintenance and Renewal of Permanent-way—Decrease, Rs. 1,88,027.—0·32 of a mile only was renewed with 50lb. rails against 6·47 miles in the 1897 period.

The major portion of work on renewals with cast iron cushions and insertion of additional tie bars was done in the previous half-year and there was only a small outlay incurred on that account in the half-year under review.

VII. Unclassified Expenditure—Decrease, Rs. 17,358.—There were two abnormal debits in the corresponding period due to the write-off on account of loss on sale of stores and to the adjustment of the difference between the book value and present value of girders in stock.

Stores returned to stock—Decrease, Rs. 43,402.—There was only ·32 of a mile renewed with 50 lb. rails against 6·47 miles in the 1897 period and consequently a smaller quantity of materials was removed from the line and returned to stores.

30. The cost of maintaining a mile of single track including sidings was Rupees 369·15 against Rs. 502·98 in the corresponding period of 1897:—

31. *Abstract B—Locomotive Expenses—Decrease, Rs.* 13,584—

December 1897. Total.	Pondicherry Railway.	Mayavaram-Mutupet Railway.	South Indian Railway.	—	December 1898. South Indian Railway.	Mayavaram-Mutupet Railway.	Pondicherry Railway.	Peralam-Karaikkal Railway.	Total.
Rs.	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.	Rs.	Rs.
65,566	252	1,859	63,455	I. General superintendence ..	63,480	1,899	245	200	65,824
1,63,991	631	4,649	1,58,711	II. Running expenses	1,63,688	4,896	633	514	1,69,731
3,79,166	1,458	10,750	3,66,958	III. Fuel	3,45,361	10,330	1,335	1,085	3,58,111
19,202	74	544	18,584	IV. Water	18,973	567	73	60	19,673
39,949	154	1,133	38,662	V. Oil, Tallow and other stores ..	33,941	1,015	131	107	35,194
1,79,005	688	5,075	1,73,242	VI. Maintenance and renewal of Locomotive Engines ..	1,99,653	5,972	772	627	2,07,024
1,676	6	47	1,623	VI-A. Maintenance and renewal of Machinery, &c.	3,257	97	13	10	3,377
..	..	..	..	VII. New minor works ..	..	..	..	..	..
27	..	1	26	VIII Payments to other lines ..	..	..	..	..	..
59,287	228	1,681	57,378	IX. Unclassified expenditure ..	37,746	1,129	146	119	39,140
9,07,869	3,491	25,739	8,78,639	Total ..	8,66,099	25,905	3,348	2,722	8,98,074
5,099	20	145	4,934	*Deduct*—Value of stores returned to stock	5,978	179	23	19	6,199
9,02,770	3,471	25,594	8,73,705	Total ..	8,60,121	25,726	3,325	2,703	8,91,875

III. Fuel—Decrease, Rs. 21,597.—Decrease in the consumption of coal due to reduced train mileage.

VI. Maintenance and Renewal of Locomotive Engines—Increase, Rs. 26,411.—Due chiefly to replacement of new axles, cranks, &c., to "O" class engines and to heavy repairs to a number of engine boilers.

IX. Unclassified expenditure—Decrease, Rs. 19,632.—In the corresponding period of 1897 there was a large debit on account of depreciation in the value of certain old and obsolete stores.

32. The locomotive expenses per train mile were 8·05 annas against 7·95 annas and per engine mile 6·86 annas against 6·81 annas.

33. *Abstract C—Carriage and Wagon Expenses—Increase, Rs.* 15,100—

December 1897. Total.	Pondicherry Railway.	Mayavaram-Mutupet Railway.	South Indian Railway.	—	December 1898. South Indian Railway.	Mayavaram-Mutupet Railway.	Pondicherry Railway.	Peralam-Karaikkal Railway.	Total.
Rs.	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.	Rs.	Rs.
21,855	84	620	21,151	I. General superintendence ..	21,160	633	82	66	21,941
1,30,038	500	3,686	1,25,852	II. Repairs and renewals of vehicles—					
69,273	266	1,964	67,043	Coaching vehicles	1,11,576	3,337	432	350	1,15,695
..	..	..	..	Goods vehicles	97,070	2,903	375	306	1,00,654
22,245	86	631	21,528	III-A. Repairs and renewals of machinery, tools and plant ..	— 2	..	..	..	— 2
..	..	..	..	III. Cleaning carriages and wagons and oiling	23,281	696	90	74	24,141
2,861	11	81	2,769	IV. New minor works ..	..	..	..	..	..
				V. Unclassified expenditure ..	3,422	103	13	10	3,548
2,46,272	947	6,982	2,38,343	Total ..	2,56,507	7,672	992	806	2,65,977
311	1	9	301	*Deduct*—Value of stores returned to stock	3,365	101	13	10	3,489
2,45,961	946	6,973	2,38,042	Total ..	2,53,142	7,571	979	796	2,62,488

II. Repairs and renewals of Vehicles—Increase, Rs. 15,751.—One hundred and fifty-four sets Jones' buffers were fitted during the half-year under review against only 84 in the corresponding period. Old axles were replaced by those of large and stronger type and buffer guides were provided to wooden lead stock during the half-year.

34. The carriage and wagon expenses per train mile amounted to 2·37 annas against 2·17 annas and Rs. 7·51 per 1,000 vehicle miles against Rs. 6·77.

35. *Abstract D—Traffic Expenses—Decrease, Rs.* 17,741—

December 1897. Total.	Pondicherry Railway.	Mayavaram-Mutupet Railway.	South Indian Railway.	—	December 1898. South Indian Railway.	Mayavaram-Mutupet Railway.	Pondicherry Railway.	Peralam-Karaikkal Railway.	Total.
Rs.	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.	Rs.	Rs.
55,782	214	1,582	53,986	I. Salaries, wages, &c.—					
1,81,316	697	5,141	1,75,478	(*a*) General superintendence.	54,124	1,619	209	170	56,122
43,049	165	1,220	41,664	(*b*) Station staff	1,76,307	5,273	682	554	1,82,816
66,044	254	1,872	63,918	(*c*) Train staff	41,412	1,239	160	130	42,941
				II. Fuel, lighting water and General stores ..	52,146	1,560	202	163	54,071
10,903	42	309	10,552	III. Clothing	10,149	303	39	33	10,524
65,530	252	1,858	63,420	IV. Printing, Stationery and tickets	58,164	1,740	225	183	60,312
1	..	..	1	V. Charges for delivery and collection of goods ..	14	..	..	..	14
3,011	11	85	2,915	VI. Miscellaneous expenses ..	1,062	32	4	4	1,102
7,611	29	216	7,366	VII. Payments to other lines ..	8,047	241	31	25	8,344
201	1	6	194	VIII. Unclassified expenditure ..	270	8	1	1	280
4,33,448	1,665	12,289	4,19,494	Total ..	4,01,695	12,015	1,553	1,263	4,16,526
638	2	18	618	*Deduct*—Value of stores returned to stock ..	560	17	2	2	581
4,32,810	1,663	12,271	4,18,876	Total ..	4,01,135	11,998	1,551	1,261	4,15,945

29. *Abstract A—Maintenance of Way, Works and Stations—Decrease of Rs.* 1,60,531.

December 1897.				—	December 1898.				
Total.	Pondicherry Railway.	Mayavaram-Mutupet Railway.	South Indian Railway.		South Indian Railway.	Mayavaram-Mutupet Railway.	Pondicherry Railway.	Peralam-Karaikkal Railway.	Total.
Rs.	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.	Rs.	Rs.
1,23,325	474	3,496	1,19,355	I. General superintendence ..	1,15,933	3,467	448	365	1,20,213
4,49,827	1,729	12,753	4,35,345	II. Maintenance and renewal of permanent-way ..	2,52,318	7,546	975	795	2,61,634
31,769	122	901	30,746	III. Repairs of bridges, &c., wages and materials	33,041	988	128	104	34,261
..	..	..	..	III-A. Conservancy of rivers, &c.	..	..	..	..	..
23,305	90	661	22,554	IV. Repairs of stations and buildings, wages and materials.	22,924	686	89	71	23,770
..	..	..	..	V. Maintenance by contract ..	..	..	..	..	..
8,369	32	237	8,100	VI. New minor works	5,309	159	20	17	5,505
54,233	208	1,538	52,487	VII. Unclassified expenditure ..	35,129	1,051	136	110	36,426
6,90,828	2,655	19,586	6,68,587	Total ..	4,64,654	13,897	1,796	1,462	4,81,809
79,991	307	2,268	77,416	*Deduct*—Value of stores returned to stock	34,014	1,017	131	108	35,270
6,10,837	2,348	17,318	5,91,171	Total ..	4,30,640	12,880	1,665	1,354	4,46,539

II. Maintenance and Renewal of Permanent-way—Decrease, Rs. 1,83,027.—0·32 of a mile only was renewed with 50lb. rails against 6·47 miles in the 1897 period.

The major portion of work on renewals with cast iron cushions and insertion of additional tie bars was done in the previous half-year and there was only a small outlay incurred on that account in the half-year under review.

VII. Unclassified Expenditure—Decrease, Rs. 17,358.—There were two abnormal debits in the corresponding period due to the write-off on account of loss on sale of stores and to the adjustment of the difference between the book value and present value of girders in stock.

Stores returned to stock—Decrease, Rs. 43,402.—There was only ·32 of a mile renewed with 50 lb. rails against 6·47 miles in the 1897 period and consequently a smaller quantity of materials was removed from the line and returned to stores.

30. The cost of maintaining a mile of single track including sidings was Rupees 369·15 against Rs. 502·98 in the corresponding period of 1897 :—

31. *Abstract B—Locomotive Expenses—Decrease, Rs.* 13,584—

December 1897.				—	December 1898.				
Total.	Pondicherry Railway.	Mayavaram-Mutupet Railway.	South Indian Railway.		South Indian Railway.	Mayavaram-Mutupet Railway.	Pondicherry Railway.	Peralam-Karaikkal Railway.	Total.
Rs.	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.	Rs.	Rs.
65,566	252	1,859	63,455	I. General superintendence ..	63,480	1,899	245	200	65,824
1,63,991	631	4,649	1,58,711	II. Running expenses	1,63,688	4,896	633	514	1,69,731
3,79,166	1,458	10,750	3,66,958	III. Fuel	3,45,361	10,330	1,335	1,085	3,58,111
19,202	74	544	18,584	IV. Water	18,973	567	73	60	19,673
39,949	154	1,133	38,662	V. Oil, Tallow and other stores ..	33,941	1,015	131	107	35,194
1,79,005	688	5,075	1,73,242	VI. Maintenance and renewal of Locomotive Engines ..	1,99,653	5,972	772	627	2,07,024
1,676	6	47	1,623	VI-A. Maintenance and renewal of Machinery, &c.	3,257	97	13	10	3,377
..	..	..	..	VII. New minor works ..	..	..	..	..	..
27	..	1	26	VIII Payments to other lines ..	..	..	..	..	..
59,287	228	1,681	57,378	IX. Unclassified expenditure ..	37,746	1,129	146	119	39,140
9,07,869	3,491	25,739	8,78,639	Total ..	8,66,099	25,905	3,348	2,722	8,98,074
5,099	20	145	4,934	*Deduct*—Value of stores returned to stock	5,978	179	23	19	6,199
9,02,770	3,471	25,594	8,73,705	Total ..	8,60,121	25,726	3,325	2,703	8,91,875

III. Fuel—Decrease, Rs. 21,597.—Decrease in the consumption of coal due to reduced train mileage.

VI. Maintenance and Renewal of Locomotive Engines—Increase, Rs. 26,411.—Due chiefly to replacement of new axles, cranks, &c., to "O" class engines and to heavy repairs to a number of engine boilers.

IX. Unclassified expenditure—Decrease, Rs. 19,632.—In the corresponding period of 1897 there was a large debit on account of depreciation in the value of certain old and obsolete stores.

32. The locomotive expenses per train mile were 8·05 annas against 7·95 annas and per engine mile 6·86 annas against 6·81 annas.

33. *Abstract C—Carriage and Wagon Expenses—Increase, Rs.* 15,100—

December 1897.				—	December 1898.				
Total.	Pondicherry Railway.	Mayavaram-Mutupet Railway.	South Indian Railway.		South Indian Railway.	Mayavaram-Mutupet Railway.	Pondicherry Railway.	Peralam-Karaikkal Railway.	Total.
Rs.	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.	Rs.	Rs.
21,855	84	620	21,151	I. General superintendence ..	21,160	633	82	66	21,941
1,30,038	500	3,686	1,25,852	II. Repairs and renewals of vehicles— Coaching vehicles	1,11,576	3,337	432	350	1,15,695
69,273	266	1,964	67,043	Goods vehicles	97,070	2,903	375	306	1,00,654
..	..	..	..	III-A. Repairs and renewals of machinery, tools and plant ..	— 2	..	..	..	— 2
22,245	86	631	21,528	III. Cleaning carriages and wagons and oiling	23,281	696	90	74	24,141
..	..	..	..	IV. New minor works ..	..	..	..	..	..
2,861	11	81	2,769	V. Unclassified expenditure ..	3,422	103	13	10	3,548
2,46,272	947	6,982	2,38,343	Total ..	2,56,507	7,672	992	806	2,65,977
311	1	9	301	*Deduct*—Value of stores returned to stock	3,365	101	13	10	3,489
2,45,961	946	6,973	2,38,042	Total ..	2,53,142	7,571	979	796	2,62,488

II. Repairs and renewals of Vehicles—Increase, Rs. 15,751.—One hundred and fifty-four sets Jones' buffers were fitted during the half-year under review against only 84 in the corresponding period. Old axles were replaced by those of large and stronger type and buffer guides were provided to wooden lead stock during the half-year.

34. The carriage and wagon expenses per train mile amounted to 2·37 annas against 2·17 annas and Rs. 7·51 per 1,000 vehicle miles against Rs. 6·77.

35. *Abstract D—Traffic Expenses—Decrease, Rs.* 17,741—

December 1897.				—	December 1898.				
Total.	Pondicherry Railway.	Mayavaram-Mutupet Railway.	South Indian Railway.		South Indian Railway.	Mayavaram-Mutupet Railway.	Pondicherry Railway.	Peralam-Karaikkal Railway.	Total.
Rs.	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.	Rs.	Rs.
55,782	214	1,582	53,986	I. Salaries, wages, &c.— (a) General superintendence.	54,124	1,619	209	170	56,122
1,81,316	697	5,141	1,75,478	(b) Station staff	1,76,307	5,273	682	554	1,82,816
43,049	165	1,220	41,664	(c) Train staff	41,412	1,239	160	130	42,941
66,044	254	1,872	63,918	II. Fuel, lighting water and General stores ..	52,146	1,560	202	163	54,071
10,903	42	309	10,552	III. Clothing	10,149	303	39	33	10,524
65,530	252	1,858	63,420	IV. Printing, Stationery and tickets	58,164	1,740	225	183	60,312
1	..	..	1	V. Charges for delivery and collection of goods ..	14	..	..	..	14
3,011	11	85	2,915	VI. Miscellaneous expenses ..	1,062	32	4	4	1,102
7,611	29	216	7,366	VII. Payments to other lines ..	8,047	241	31	25	8,344
201	1	6	194	VIII. Unclassified expenditure ..	270	8	1	1	280
4,33,448	1,665	12,289	4,19,494	Total ..	4,01,695	12,015	1,553	1,263	4,16,526
638	2	18	618	*Deduct*—Value of stores returned to stock ..	560	17	2	2	581
4,32,810	1,663	12,271	4,18,876	Total ..	4,01,135	11,998	1,551	1,261	4,15,945

II. Fuel, Lighting, Water and General Stores—Decrease, Rs. 11,772—chiefly due to the reduction of train service on the Pakala-Dharmavaram section, to the transfer of Nellore-Gudur section to the East Coast Railway, to the reduction in the supply of oil at most of the stations and to reduced rates for oils.

IV. Printing, Stationery and Tickets— Decrease, Rs. 5,256—due to a smaller number of tickets being supplied to stations owing to the falling off in passenger traffic and to less stationery and forms being drawn from stores.

36. The charges for station and train staff, the tonnage of goods lifted and the ton miles of goods carried compare as follows :—

—	Second half of 1897.	Second half of 1898.	Increase or decrease.	Percentage of increase or decrease.
Tonnage of goods	TONS. 682,105	TONS. 772,292	TONS. 90,187	13·22
Ton miles of goods	TON MILES. 45,626,290	TON MILES. 43,683,195	TON MILES. 1,943,095	4·26
Station staff	RS. 1,75,478	RS. 1,76,307	RS. 829	0·47
Train staff	41,664	41,412	252	0·60

37. The total cost of the department averaged annas 3·75 against 3·81 per train mile in the corresponding previous half-year.

38. *Abstract E—General Charges—Decrease, Rs.* 2,453—

December 1897. Total.	Pondicherry Railway.	Mayavaram-Mutupet Railway.	South Indian Railway.	—	December 1898. South Indian Railway.	Mayavaram-Mutupet Railway.	Pondicherry Railway.	Peralam-Karaikkal Railway.	Total.
RS. 42,292	RS. 163	RS. 1,199	RS. 40,930	I. General Administration ..	RS. 41,097	RS. 1,229	RS. 159	RS. 129	RS. 42,614
41,664	160	1,181	40,323	I-A. Government supervision, audit and control	40,433	1,210	156	127	41,926
1,50,251	578	4,260	1,45,413	II. Salaries of Indian management including offices ..	1,46,292	4,376	565	460	1,51,693
21,848	84	619	21,145	III. Police	20,320	607	79	64	21,070
3,953	15	112	3,826	IV. Advertising	1,082	33	4	3	1,122
59,160	227	1,677	57,256	V. Electric telegraph	57,061	1,706	221	180	59,168
..	..	..	..	VI. Clearing accounts with other lines	..	..	..	..	..
204	1	6	197	VII. Unclassified expenditure ..	285	9	1	1	296
3,19,372	1,228	9,054	3,09,090	Total ..	3,06,570	9,170	1,185	964	3,17,889
69	..	2	67	*Deduct*—value of stores returned to stock ..	..	..	..	..	..
3,19,303	1,228	9,052	3,09,023	Total ..	3,06,570	9,170	1,185	964	3,17,889

The net decrease is small and calls for no special remarks.

39. *Abstract G—Special and Miscellaneous Expenditure—Increase, Rs.* 13,553—

December 1897. Total.	Pondicherry Railway.	Mayavaram-Mutupet Railway.	South Indian Railway.	—	December 1898. South Indian Railway.	Mayavaram-Mutupet Railway.	Pondicherry Railway.	Peralam-Karaikkal Railway.	Total.
RS. 269	RS. 1	RS. 8	RS. 260	I. Law charges	RS. 126	RS. 4	RS. 1	RS. ..	RS. 131
1,334	5	38	1,291	II. Compensation	1,144	36	5	3	1,188
15,815	61	448	15,306	III. Rates and taxes	8,588	271	35	29	8,923
6,765	26	192	6,547	IV. Payments to other lines ..	4,081	129	16	14	4,240
..	..	..	..	V. Prizes for station gardens, &c.	..	..	..	..	..
12,136	46	344	11,746	VI. Contribution to Provident Institution.	11,978	378	49	40	12,445
4,641	18	132	4,491	VII. Miscellaneous	26,757	845	109	88	27,799
40,422	155	1,146	39,121	Total ..	52,674	1,663	215	174	54,726

III. Rates and Taxes—Decrease, Rs. 6,718.—The corresponding period included an arrear payment on account of house and water-tax paid to the Madras and Trichinopoly Municipalities.

VII. Miscellaneous—Increase, Rs. 22,266.—Under this head is included the cost of the Erode-Nanjangod Railway Survey incurred during the half-year under review.

40. *Statement of Train Mileage, Form No. XIV.*—The miscellaneous engine mileage 295,825 was 17·31 per cent. of the total train mileage 1,709,237 against 16·81 per cent. in the corresponding period of 1897.

41. *Statement of Outstanding Earnings, Form No. XVI.*—The earnings outstanding on the date of preparation of the statement were Rs. 13,559-5-2, of which Rs. 236-3-9 have since been recovered, and steps are being taken for the recovery of the balance.

Order—No. 484 Ry., dated 28th April 1899.

Ordered that the Chief Auditor's note on the Capital and Revenue Accounts of the South Indian Railway for the half-year ended the 31st December 1898 be forwarded to the Government of India and to the Secretary of State in continuation of G.O., No. 352 Ry., dated 28th March 1899.

[Here enter No. 485 Ry., dated 28th April 1899.]

(True Extract.)

Francis J. E. Spring,
Joint Secretary.

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

Endorsement—No. 485 Ry., dated 28th April 1899.

Forwarded.

(By order.)

Francis J. E. Spring,
Joint Secretary.

Exd. Shaik Karim.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

(Copy.)

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

No. $\frac{12}{484 \text{ RY.}}$, dated 28th April 1899.

FORWARDING copy of Proceedings embodying the Chief Auditor's note on the Capital and Revenue Accounts, South Indian Railway, for the half-year ended the 31st December 1898.

RAILWAY.

Government {1899} of Madras.

PUBLIC WORKS.

Recd. } 1899. *Enclosures*

Regd. } 1899. *Spare copies*

G.O., No. 484 Ry., 28th April 1899.

APRIL.

Capital and Revenue Accounts, South Indian Railway

Ordered that the Chief Auditor's note on the — for the half-year ended the 31st December 1898, be forwarded to the Government of India and to the Secretary of State.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Railway.

Read the following papers :—

From—The Agent, South Indian Railway.
To—The Consulting Engineer for Railways, Madras.
Dated—Trichinopoly, 3rd April 1899, No. 293.

Chief Auditor's Note on the Capital and Revenue Accounts of the South Indian Railway for the half-year ended 31st December 1898.

CAPITAL.

Statement V.—The outlay during the half-year included a credit of Rs. 22,53,790 on account of the capital cost of the section of the line between Gudur and Nellore, transferred to the Bezwada-Madras Railway under the sanction of the Government of India No. 1415 R.C., dated 30th August 1897.

The ordinary outlay amounted to Rs. 1,19,387, incurred chiefly under "stations and buildings" on account of the re-arrangement of Gudur station and on "rolling-stock" due to construction of composite and tri-composite carriages sanctioned by G.O., Nos. 148 R., dated 27th January 1898, and 1052 R., dated 15th August 1898.

2. *Statements VI and XVIII.*—The total capital outlay to end of December 1898 including suspense accounts was Rs. 7,45,26,344 and excluding suspense accounts, Rs. 7,21,86,970. The latter figures gave on the total open mileage, 1,017·88, an average cost of Rs. 70,919 per mile.

REVENUE.

3. *General Results.*—The following table shows the general results of the working :—

—	Second half of 1897.	Second half of 1898.	Increase or Decrease.	Percentage of increase or decrease.
	MILES.	MILES.	MILES.	
Mean mileage worked	1,041·59	1,033·73	7·86	0·75
Train mileage	1,757,473	1,709,237	48,236	2·74
	NO.	NO.	NO.	
Average number of trains over the whole line daily in both directions	9·17	8·99	·18	..
	RS.	RS.	RS.	
Gross earnings	45,57,345	41,18,526	4,38,819	9·63
Working expenses	24,69,938	23,04,282	1,65,656	6·71
Net Earnings	20,87,407	18,14,244	2,73,163	13·09
Percentage of working expenses to gross earnings	54·20	55·95	1·75	..
Percentage of net earnings on capital outlay including suspense	2·72	2·43	·29	..

4. The gross earnings per mean mile worked per week averaged Rs. 153·24 against Rs. 168·28 and were realized at a cost of 55·95 per cent. against 54·20 per cent. during the corresponding period of 1897.

5. The percentage of working expenses to gross earnings for the year 1898 was 54·50 against 53·01 for 1897 and the percentage of net earnings on the total capital outlay including suspense for 1898 was 5·17 against 5·63 of the previous year.

6. The net earnings with the adjustment shown in statement No. XIX gave, after deducting interest charges and the additional contribution to Provident fund, a surplus of Rs. 6,30,166, of which the Company's share was Rs. 1,18,351 and the Government's Rs. 5,11,815.

7. The contributions to the Provident Institution during the half-year were Rs. 18,094 as under :—

	RS.
Fifty per cent. of compulsory deductions charged to working expenses	12,445
Additional contribution as per surplus profits, statement XIX ...	5,649
Total ...	18,094

8. *Gross Earnings.*—The following table shows the gross earnings for the two half-years :—

—	Second half of 1897.	Second half of 1898.	Increase or decrease in amount.	Percentage of increase or decrease.
	RS.	RS.	RS.	
Coaching	23,69,889	20,56,133	3,13,756	13·24
Goods	19,88,964	19,79,569	9,395	·47
Electric telegraph	10,135	10,448	313	3·09
Sundries	1,88,357	72,376	1,15,981	61·58
Total ..	45,57,345	41,18,526	4,38,819	9·63

9. *Abstract H—Coaching Traffic.*—The number of passengers carried in the several classes including police, troops and season ticket holders, and the earnings therefrom compare as follows :—

—	First class.		Second class.		Third class.		Total.	
	Number.	Earnings.	Number.	Earnings.	Number.	Earnings.	Number.	Earnings.
		RS.		RS.		RS.		RS.
Second half of 1897	9,213	30,961	67,550	80,400	6,175,284½	21,35,096	6,252,047½	22,46,457
Second half of 1898	12,247	40,276	50,184½	73,537	5,414,768	18,15,383	5,477,199½	19,29,196
Increase	3,034	9,315	..	..	..	..	..	..
Decrease	..	..	17,365½	6,863	760,516½	3,19,713	774,848	3,17,261

10. The above table shows a net decrease of 774,848 in the numer of passengers carried and Rs. 3,17,261 in receipts during the half-year ending December 1898.

The decrease was chiefly due to plague precautionary measures adopted by Government and to unfavourable season on account of which local festivals were poorly attended.

The breaches in the main line in November and December 1898 affected this traffic to some extent. The transfer of the Nellore-Gudur section to the East Coast Railway in November 1898 accounts also for a small decrease.

11. *Other Coaching Traffic.*—The fluctuations in other coaching traffic are shown in the following table :—

	Increase.	Decrease.
	RS.	RS.
II. Passengers' luggage		2,741
III. Military baggage	83	...
IV. Carriages, horses, dogs, &c.		2,019
V. Military carriages, horses, &c.		85
VI. Parcels	5,286	...
VII. Special trains	46	..
VIII. Miscellaneous	...	37
IX. Post office	3,272	...
Total ...	8,687	4,882

12. *Abstract I—Goods Traffic.*—The following is a summary of the tonnage of goods lifted and the earnings therefrom as compared with the corresponding period of 1897 :—

—	Second half of 1897.		Second half of 1898.	
	Quantity.	Earnings.	Quantity.	Earnings.
	TONS.	RS.	TONS.	RS.
Merchandise, general	432,648	18,96,600	423,245	18,82,179
Military stores	28	744	19	364
Railway materials for construction	4,166	3,954	61,758	6,518
Coal	22,980	30,900	18,775	24,894
Revenue stores	222,283	41,502	268,495	61,179
Other goods traffic	..	15,224	..	16,435
Total ..	682,105	19,88,964	772,292	19,79,569

13. *Merchandise general.*—The traffic under this head shows the following results as compared with the corresponding period of 1897 :—

Tonnage	Decrease.	9,403	or 2·17 per cent.
Ton-mileage	"	2,406,926	or 6·01 "
Earnings	"	14,421	or 0·76 "

14. The average rate charged per ton per mile was 9·61 pies against 9·10 pies in the corresponding period of 1897.

15. *Railway Materials for construction—Increase of tons* 57,592 *and Rs.* 2,524.—Increase due to a greater quantity of ballast carried.

16. *Coal—Decrease of tons* 4,205 *and Rs.* 6,006.—The decrease was chiefly under "Coal for the Locomotive Department."

17. *Revenue Stores—Increase of tons* 46,212 *and Rs.* 9,677.—There was increase in the ballast carried for maintenance of the line and in the carriage of "Wood and patent fuel for the Locomotive Department."

18. The following table shows some of the principal commodities included above under the head of "Merchandise, general" carried during the two half-years under comparison :—

—	Second half of 1897.		Second half of 1898.	
	Quantity.	Amount.	Quantity.	Amount.
	TONS.	RS.	TONS.	RS.
Cotton, raw	6,745	43,594	6,726	40,878
Do. manufactured	10,413	1,20,704	9,326	1,09,321
Dyes and tans	6,178	49,496	6,637	51,174
Grain and pulse	137,984	4,71,714	115,266	4,54,528
Hides and skins	4,738	47,527	5,110	47,666
Jute	8,645	22,318	3,077	19,591
Metals	7,113	67,946	5,832	56,064
Oils	8,976	64,179	5,896	67,197
Oil-seeds	11,393	50,724	11,792	50,397
Provisions	13,567	78,518	13,753	76,733
Railway plant and rolling-stock	12,876	34,426	3,476	5,787
Salt	34,366	1,26,710	31,628	1,15,704
Spices	9,551	83,553	8,167	64,975
Stone and lime	48,195	59,958	66,183	67,545
Sugar	26,101	1,46,068	32,916	1,97,524
Timber	29,511	49,964	34,873	48,983
Tobacco	3,589	20,042	3,637	21,236
All other articles of merchandise	53,114	3,24,454	51,933	3,46,743

19. *Cotton, manufactured—Decrease of tons* 1,087 *and Rs.* 11,383.—The decrease was chiefly under "Piece-goods (European)" from Madras to the South Arcot, Tanjore and Southern districts and from Tuticorin to Madura. The demand for these goods was less than in the corresponding period.

20. *Grain and Pulse—Decrease of tons* 22,718 *and Rs.* 17,186.—The chief fluctuations in traffic under this head are as under :—

	Increase.	Decrease.
	RS.	RS.
Rice in the husk	1,02,195	...
Rice not in the husk	...	1,17,479
Jawar and Bajra	...	22,241
Grain and Pulse	18,432	...

Owing to bad crops in the South Arcot, Tanjore, Trichinopoly, Chingleput and Madura districts due to untimely rains, the export of "Rice not in the husk" was less than in the 1897 period.

Failure of crops in the Southern districts attracted a large quantity of "Rice in the husk" from the Tanjore and Trichinopoly districts.

Famine in Northern India having subsided, less quantity of "Jawar and Bajra" was exported.

Import of "Grain and Pulse" at Negapatam for the Madura and Tinnevelly districts was considerably more.

21. *Railway Plant and Rolling-stock—Decrease of tons* 9,400 *and Rs.* 28,639.—In the corresponding period of 1897 there was exceptional traffic in materials carried from Ennur and Salt Cotaurs to Gudur, Venkatachellam and Nellore for the Madras-Bezwada Railway.

22. *Salt—Decrease of Tons* 2,738 *and Rs.* 11,006.—Owing to the low cart rates, stations near Tuticorin and others along a portion of the East Coast were served by country carts.

23. *Spices—Decrease of Tons* 1,384 *and Rs.* 18,578.—About Rs. 10,000 of this decrease was in "Chillies" from Madras, Vellore, Negapatam and the Tinnevelly district to the Tanjore, South and North Arcot districts owing to overstocking in the latter in previous half-year, and about Rs. 7,000 in "Betel-nuts" from Tuticorin to Madura and the South Arcot district and from Negapatam to stations on foreign railways on account of smaller imports from Penang, Singapore and Colombo.

24. *Stone and Lime—Increase of Tons* 17,988 *and Rs.* 7,587—chiefly on boulders carried from Pallaveram to Madras for the Harbour works.

25. *Sugar—Increase of Tons* 6,815 *and Rs.* 51,456.—The increase was under "Sugar, unrefined" from Tinnevelly to Arcot for the Arcot Sugar factories. The production of jaggery in the Tinnevelly district was considerably over the average.

26. *All other articles of merchandise—Decrease of Tons* 1,181 *and increase of Rs.* 22,289.—Longer lead gave a larger income. Nearly Rs. 15,000 of the increase was under cocoanuts from the Tanjore and Trichinopoly districts to stations on the Southern Mahratta Railway owing to the crops being above the average, and about Rs. 7,000 under "Cotton seeds" from the Southern Mahratta Railway to stations in the Tanjore district.

27. *Working Expenses.*—The working expenses of the two half-years compared as follows :—

—	Second half of 1897.		Second half of 1898.		Increase or decrease in amount.	Percentage of increase or decrease.
	Amount.	Percentage of gross earnings.	Amount.	Percentage of gross earnings.		
	RS.		RS.		RS.	
Maintenance	5,91,171	12·97	4,30,640	10·46	1,60,531	27·15
Locomotive	8,75,705	19·17	8,60,121	20·88	13,584	1·55
Carriage and wagon	2,38,042	5·23	2,53,142	6·15	15,100	6·34
Traffic	4,18,876	9·19	4,01,135	9·74	17,741	4·24
General charges	3,09,025	6·78	3,06,570	7·44	2,453	·79
Steam boat service	..	..	..	..	..	..
Special and Miscellaneous ..	39,121	·86	52,674	1·28	13,553	34·64
Total ..	24,69,938	54·29	23,04,282	55·95	1,65,656	6·71

28. To admit of ready comparison being made the proportionate expenditure under each minor head chargeable to South Indian, Mayavaram-Mutupet, Pondicherry and the Peralam-Karaikkal Railways is shown in the annexed tables.

29. *Abstract A—Maintenance of Way, Works and Stations—Decrease of Rs.* 1,60,531.

December 1897.				—	December 1898.				
Total.	Pondicherry Railway.	Mayavaram-Mutupet Railway.	South Indian Railway.		South Indian Railway.	Mayavaram-Mutupet Railway.	Pondicherry Railway.	Peralam-Karaikkal Railway.	Total.
Rs.	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.	Rs.	Rs.
1,23,325	474	3,496	1,19,355	I. General superintendence ..	1,15,933	3,467	448	365	1,20,213
4,49,827	1,729	12,753	4,35,345	II. Maintenance and renewal of permanent-way ..	2,52,318	7,546	975	795	2,61,634
31,769	122	901	30,746	III. Repairs of bridges, &c., wages and materials	33,041	988	128	104	34,261
..	..	..	..	III-A. Conservancy of rivers, &c.	..	..	..	..	..
23,305	90	661	22,554	IV. Repairs of stations and buildings, wages and materials.	22,924	686	89	71	23,770
..	..	..	..	V. Maintenance by contract ..	..	..	..	..	..
8,369	32	237	8,100	VI. New minor works	5,309	159	20	17	5,505
54,233	208	1,538	52,487	VII. Unclassified expenditure ..	35,129	1,051	136	110	36,426
6,90,828	2,655	19,586	6,68,587	Total ..	4,64,654	13,897	1,796	1,462	4,81,809
79,991	307	2,268	77,416	*Deduct*—Value of stores returned to stock	34,014	1,017	131	108	35,270
6,10,837	2,348	17,318	5,91,171	Total ..	4,30,640	12,880	1,665	1,354	4,46,539

II. Maintenance and Renewal of Permanent-way—Decrease, Rs. 1,83,027.—0·32 of a mile only was renewed with 50lb. rails against 6·47 miles in the 1897 period.

The major portion of work on renewals with cast iron cushions and insertion of additional tie bars was done in the previous half-year and there was only a small outlay incurred on that account in the half-year under review.

VII. Unclassified Expenditure—Decrease, Rs. 17,358.—There were two abnormal debits in the corresponding period due to the write-off on account of loss on sale of stores and to the adjustment of the difference between the book value and present value of girders in stock.

Stores returned to stock—Decrease, Rs. 43,402.—There was only 32 of a mile renewed with 50 lb. rails against 6·47 miles in the 1897 period and consequently a smaller quantity of materials was removed from the line and returned to stores.

30. The cost of maintaining a mile of single track including sidings was Rupees 369·15 against Rs. 502·98 in the corresponding period of 1897 :—

31. *Abstract B—Locomotive Expenses—Decrease, Rs.* 13,584—

December 1897.				—	December 1898.				
Total.	Pondicherry Railway.	Mayavaram-Mutupet Railway.	South Indian Railway.		South Indian Railway.	Mayavaram-Mutupet Railway.	Pondicherry Railway.	Peralam-Karaikkal Railway.	Total.
Rs.	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.	Rs.	Rs.
65,566	252	1,859	63,455	I. General superintendence ..	63,480	1,899	245	200	65,824
1,63,991	631	4,649	1,58,711	II. Running expenses	1,63,688	4,896	633	514	1,69,731
3,79,166	1,458	10,750	3,66,958	III. Fuel	3,15,361	10,330	1,335	1,085	3,58,111
19,202	74	544	18,584	IV. Water	18,973	567	73	60	19,673
39,949	154	1,133	38,662	V. Oil, Tallow and other stores ..	33,941	1,015	131	107	35,194
1,79,005	688	5,075	1,73,242	VI. Maintenance and renewal of Locomotive Engines ..	1,99,653	5,972	772	627	2,07,024
1,676	6	47	1,623	VI-A. Maintenance and renewal of Machinery, &c.	3,257	97	13	10	3,377
..	..	..	..	VII. New minor works ..	..	..	..	..	..
27	..	1	26	VIII Payments to other lines ..	..	..	..	..	..
59,287	228	1,681	57,378	IX. Unclassified expenditure ..	37,746	1,129	146	119	39,140
9,07,869	3,491	25,739	8,78,639	Total ..	8,66,099	25,905	3,348	2,722	8,98,074
5,099	20	145	4,934	*Deduct*—Value of stores returned to stock	5,978	179	23	19	6,199
9,02,770	3,471	25,594	8,73,705	Total ..	8,60,121	25,726	3,325	2,703	8,91,875

III. Fuel—Decrease, Rs. 21,597.—Decrease in the consumption of coal due to reduced train mileage.

VI. Maintenance and Renewal of Locomotive Engines—Increase, Rs. 26,411.—Due chiefly to replacement of new axles, cranks, &c., to " O " class engines and to heavy repairs to a number of engine boilers.

IX. Unclassified expenditure—Decrease, Rs. 19,632.—In the corresponding period of 1897 there was a large debit on account of depreciation in the value of certain old and obsolete stores.

32. The locomotive expenses per train mile were 8·05 annas against 7·95 annas and per engine mile 6·86 annas against 6·81 annas.

33. *Abstract C—Carriage and Wagon Expenses—Increase, Rs.* 15,100—

December 1897.				—	December 1898.				
Total.	Pondicherry Railway.	Mayavaram-Mutupet Railway.	South Indian Railway.		South Indian Railway.	Mayavaram-Mutupet Railway.	Pondicherry Railway.	Peralam-Karaikkal Railway.	Total.
Rs.	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.	Rs.	Rs.
21,855	84	620	21,151	I. General superintendence ..	21,160	653	82	66	21,941
1,30,038	500	3,686	1,25,852	II. Repairs and renewals of vehicles— Coaching vehicles	1,11,576	3,337	432	350	1,15,695
69,273	266	1,964	67,043	Goods vehicles	97,070	2,903	375	306	1,00,654
..	..	..	..	III-A. Repairs and renewals of machinery, tools and plant ..	— 2	..	..	..	— 2
22,245	86	631	21,528	III. Cleaning carriages and wagons and oiling	23,281	696	90	74	24,141
..	..	..	..	IV. New minor works ..	..	..	..	..	..
2,861	11	81	2,769	V. Unclassified expenditure ..	3,422	103	13	10	3,548
2,46,272	947	6,982	2,38,343	Total ..	2,56,507	7,672	992	806	2,65,977
311	1	9	301	*Deduct*—Value of stores returned to stock	3,365	101	13	10	3,489
2,45,961	946	6,973	2,38,042	Total ..	2,53,142	7,571	979	796	2,62,488

II. Repairs and renewals of Vehicles—Increase, Rs. 15,751.—One hundred and fifty-four sets Jones' buffers were fitted during the half-year under review against only 84 in the corresponding period. Old axles were replaced by those of large and stronger type and buffer guides were provided to wooden lead stock during the half-year.

34. The carriage and wagon expenses per train mile amounted to 2·37 annas against 2·17 annas and Rs. 7·51 per 1,000 vehicle miles against Rs. 6·77.

35. *Abstract D—Traffic Expenses—Decrease, Rs.* 17,741—

December 1897.				—	December 1898.				
Total.	Pondicherry Railway.	Mayavaram-Mutupet Railway.	South Indian Railway.		South Indian Railway.	Mayavaram-Mutupet Railway.	Pondicherry Railway.	Peralam-Karaikkal Railway.	Total.
Rs.	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.	Rs.	Rs.
55,782	214	1,582	53,986	I. Salaries, wages, &c.— (a) General superintendence.	54,124	1,619	209	170	56,122
1,81,316	697	5,141	1,75,478	(b) Station staff	1,76,307	5,273	682	554	1,82,816
43,049	165	1,220	41,664	(c) Train staff	41,412	1,239	160	130	42,941
66,044	254	1,872	63,918	II. Fuel, lighting water and General stores ..	52,146	1,560	202	163	54,071
10,903	42	309	10,552	III. Clothing	10,149	303	39	33	10,524
65,530	252	1,858	63,420	IV. Printing, Stationery and tickets	58,164	1,740	225	183	60,312
1	..	..	1	V. Charges for delivery and collection of goods ..	14	..	..	..	14
3,011	11	85	2,915	VI. Miscellaneous expenses ..	1,062	32	4	4	1,102
7,611	29	216	7,366	VII. Payments to other lines ..	8,047	241	31	25	8,344
201	1	6	194	VIII. Unclassified expenditure ..	270	8	1	1	280
4,33,448	1,665	12,289	4,19,494	Total ..	4,01,695	12,015	1,553	1,263	4,16,526
638	2	18	618	*Deduct*—Value of stores returned to stock ..	560	17	2	2	581
4,32,810	1,663	12,271	4,18,876	Total ..	4,01,135	11,998	1,551	1,261	4,15,945

II. Fuel, Lighting, Water and General Stores—Decrease, Rs. 11,772—chiefly due to the reduction of train service on the Pakala-Dharmavaram section, to the transfer of Nellore-Gudur section to the East Coast Railway, to the reduction in the supply of oil at most of the stations and to reduced rates for oils.

IV. Printing, Stationery and Tickets— Decrease, Rs. 5,256—due to a smaller number of tickets being supplied to stations owing to the falling off in passenger traffic and to less stationery and forms being drawn from stores.

36. The charges for station and train staff, the tonnage of goods lifted and the ton miles of goods carried compare as follows:—

—	Second half of 1897.	Second half of 1898.	Increase or decrease.	Percentage of increase or decrease.
Tonnage of goods	TONS. 682,105	TONS. 772,292	TONS. 90,187	13·22
Ton miles of goods	TON MILES. 45,626,290	TON MILES. 43,683,195	TON MILES. 1,943,095	4·26
Station staff	RS. 1,75,478	RS. 1,76,307	RS. 829	0·47
Train staff	41,664	41,412	252	0·60

37. The total cost of the department averaged annas 3·75 against 3·81 per train mile in the corresponding previous half-year.

38. *Abstract E—General Charges—Decrease, Rs.* 2,453—

December 1897. Total.	Pondicherry Railway.	Mayavaram-Mutupet Railway.	South Indian Railway.	—	December 1898. South Indian Railway.	Mayavaram-Mutupet Railway.	Pondicherry Railway.	Peralam-Karaikkal Railway.	Total.
RS. 42,292	RS. 163	RS. 1,199	RS. 40,930	I. General Administration ..	RS. 41,097	RS. 1,229	RS. 159	RS. 129	RS. 42,614
41,664	160	1,181	40,323	I-A. Government supervision, audit and control ..	40,433	1,210	156	127	41,926
21,848	84	619	21,145	II. Salaries of Indian management including offices ..	1,46,292	4,376	565	460	1,51,693
3,953	15	112	3,826	III. Police	20,320	607	79	64	21,070
59,160	227	1,677	57,256	IV. Advertising	1,682	33	4	3	1,122
..	..	..	..	V. Electric telegraph	57,061	1,706	221	180	59,168
204	1	6	197	VI. Clearing accounts with other lines	..	..	..	..	..
				VII. Unclassified expenditure ..	285	9	1	1	296
3,19,372	1,228	9,054	3,09,090	Total ..	3,06,570	9,170	1,185	964	3,17,889
69	..	2	67	*Deduct*—value of stores returned to stock ..	..	..	..	..	..
3,19,303	1,228	9,052	3,09,023	Total ..	3,06,570	9,170	1,185	964	3,17,889

The net decrease is small and calls for no special remarks.

39. *Abstract G—Special and Miscellaneous Expenditure—Increase, Rs.* 13,553—

December 1897. Total.	Pondicherry Railway.	Mayavaram-Mutupet Railway.	South Indian Railway.	—	December 1898. South Indian Railway.	Mayavaram-Mutupet Railway.	Pondicherry Railway.	Peralam-Karaikkal Railway.	Total.
RS. 269	RS. 1	RS. 8	RS. 260	I. Law charges	RS. 126	RS. 4	RS. 1	RS. ..	RS. 131
1,334	5	38	1,291	II. Compensation	1,144	36	5	3	1,188
15,815	61	448	15,306	III. Rates and taxes	8,588	271	35	29	8,923
6,765	26	192	6,547	IV. Payments to other lines ..	4,081	129	16	14	4,240
..	..	..	..	V. Prizes for station gardens, &c.	..	..	..	..	..
12,136	46	344	11,746	VI. Contribution to Provident Institution.	11,978	378	49	40	12,445
4,641	18	132	4,491	VII. Miscellaneous	26,757	845	109	88	27,799
40,422	155	1,146	39,121	Total ..	52,674	1,663	215	174	54,726

III. Rates and Taxes—Decrease, Rs. 6,718.—The corresponding period included an arrear payment on account of house and water-tax paid to the Madras and Trichinopoly Municipalities.

VII. Miscellaneous—Increase, Rs. 22,266.—Under this head is included the cost of the Erode-Nanjangod Railway Survey incurred during the half-year under review.

40. *Statement of Train Mileage, Form No. XIV.*—The miscellaneous engine mileage 295,825 was 17·31 per cent. of the total train mileage 1,709,237 against 16·81 per cent. in the corresponding period of 1897.

41. *Statement of Outstanding Earnings, Form No. XVI.*—The earnings outstanding on the date of preparation of the statement were Rs. 13,559-5-2, of which Rs. 236-3-9 have since been recovered, and steps are being taken for the recovery of the balance.

ORDER—No. 484 Ry., dated 28th April 1899.

Ordered that the Chief Auditor's note on the Capital and Revenue Accounts of the South Indian Railway for the half-year ended the 31st December 1898 be forwarded to the Government of India and to the Secretary of State in continuation of G.O., No. 352 Ry., dated 28th March 1899.

[Here enter No. 485 Ry., dated 28th April 1899.]

(True Extract.)

FRANCIS J. E. SPRING,
Joint Secretary.

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

Exd. Shaik Karim.

No. $\frac{12}{484\ \text{Ry.}}$, 28TH APRIL 1899.

PUBLIC WORKS DEPARTMENT.

LETTER—to

THE RIGHT HONOURABLE THE SECRETARY OF STATE FOR INDIA.

MY LORD,

In continuation of our despatch No. $\frac{5}{352\ \text{Ry.}}$, dated 28th March 1899, we have the honour to forward herewith a copy of Proceedings of this Government, No. 484 Ry., dated 28th April 1899, embodying the Chief Auditor's note on the Capital and Revenue Accounts of the South Indian Railway for the half-year ended the 31st December 1898.

We have the honour to be,

My Lord,

Your Lordship's most obedient, humble servants,

(Signed) A. E. HAVELOCK.

(„) A. T. ARUNDEL.

(„) H. M. WINTERBOTHAM.

OOTACAMUND,
28th April 1899.

PUBLIC WORKS DEPARTMENT,
RAILWAY BRANCH.

DESPATCH

FOR SIGNATURE

OF

HIS EXCELLENCY THE GOVERNOR

AND

MEMBERS OF GOVERNMENT.

(With Original).

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Railway.

Read the following papers :—

From—The Agent, South Indian Railway.
To—The Consulting Engineer for Railways, Madras.
Dated—Trichinopoly, 3rd April 1899, No. 293.

Chief Auditor's Note on the Capital and Revenue Accounts of the South Indian Railway for the half-year ended 31st December 1898.

CAPITAL.

Statement V.—The outlay during the half-year included a credit of Rs. 22,53,790 on account of the capital cost of the section of the line between Gudur and Nellore, transferred to the Bezwada-Madras Railway under the sanction of the Government of India No. 1415 R.C., dated 30th August 1897.

The ordinary outlay amounted to Rs. 1,19,387, incurred chiefly under "stations and buildings" on account of the re-arrangement of Gudur station and on "rolling-stock" due to construction of composite and tri-composite carriages sanctioned by G.O., Nos. 148 R., dated 27th January 1898, and 1052 R., dated 15th August 1898.

2. *Statements VI and XVIII.*—The total capital outlay to end of December 1898 including suspense accounts was Rs. 7,45,26,344 and excluding suspense accounts, Rs. 7,21,86,970. The latter figures gave on the total open mileage, 1,017·88, an average cost of Rs. 70,919 per mile.

REVENUE.

3. *General Results.*—The following table shows the general results of the working :—

	Second-half of 1897.	Second-half of 1898.	Increase or Decrease.	Percentage of increase or decrease.
	MILES.	MILES.	MILES.	
Mean mileage worked	1,041·59	1,033·73	7·86	0·75
Train mileage	1,757,473	1,709,237	48,236	2·74
	NO.	NO.	NO.	
Average number of trains over the whole line daily in both directions	9·17	8·99	·18	..
	RS.	RS.	RS.	
Gross earnings	45,57,345	41,18,526	4,38,819	9·63
Working expenses	24,69,938	23,04,282	1,65,656	6·71
Net Earnings ..	20,87,407	18,14,244	2,73,163	13·09
Percentage of working expenses to gross earnings ..	54·20	55·95	1·75	..
Percentage of net earnings on capital outlay including suspense	2·72	2·43	·29	..

4. The gross earnings per mean mile worked per week averaged Rs. 153·24 against Rs. 168·28 and were realized at a cost of 55·95 per cent. against 54·20 per cent. during the corresponding period of 1897.

5. The percentage of working expenses to gross earnings for the year 1898 was 54·50 against 53·01 for 1897 and the percentage of net earnings on the total capital outlay including suspense for 1898 was 5·17 against 5·63 of the previous year.

6. The net earnings with the adjustment shown in statement No. XIX gave, after deducting interest charges and the additional contribution to Provident fund, a surplus of Rs. 6,30,166, of which the Company's share was Rs. 1,18,351 and the Government's Rs. 5,11,815.

7. The contributions to the Provident Institution during the half-year were Rs. 18,094 as under:—

	Rs.
Fifty per cent. of compulsory deductions charged to working expenses	12,445
Additional contribution as per surplus profits, statement XIX ...	5,649
Total ...	18,094

8. *Gross Earnings.*—The following table shows the gross earnings for the two half-years:—

—	Second half of 1897.	Second half of 1898.	Increase or decrease in amount.	Percentage of increase or decrease.
	Rs.	Rs.	Rs.	
Coaching	23,69,889	20,56,133	3,13,756	13·24
Goods	19,88,964	19,79,569	9,395	·47
Electric telegraph	10,135	10,448	313	3·09
Sundries	1,88,357	72,376	1,15,981	61·58
Total ..	45,57,345	41,18,526	4,38,819	9·63

9. *Abstract H—Coaching Traffic.*—The number of passengers carried in the several classes including police, troops and season ticket holders, and the earnings therefrom compare as follows:—

	First class.		Second class.		Third class.		Total.	
	Number.	Earnings.	Number.	Earnings.	Number.	Earnings.	Number.	Earnings.
		Rs.		Rs.		Rs.		Rs.
Second half of { 1897 ..	9,213	30,961	67,550	80,400	6,175,284½	21,35,096	6,252,047½	22,46,457
{ 1898 ..	12,247	40,276	50,184½	73,537	5,414,768	18,15,383	5,477,199½	19,29,196
Increase	3,034	9,315	..	..	..	..	..	..
Decrease	..	..	17,365½	6,863	760,516½	3,19,713	774,848	3,17,261

10. The above table shows a net decrease of 774,848 in the numer of passengers carried and Rs. 3,17,261 in receipts during the half-year ending December 1898.

The decrease was chiefly due to plague precautionary measures adopted by Government and to unfavourable season on account of which local festivals were poorly attended.

The breaches in the main line in November and December 1898 affected this traffic to some extent. The transfer of the Nellore-Gudur section to the East Coast Railway in November 1898 accounts also for a small decrease.

11. *Other Coaching Traffic.*—The fluctuations in other coaching traffic are shown in the following table:—

	Increase.	Decrease.
	Rs.	Rs.
II. Passengers' luggage	...	2,741
III. Military baggage	83	...
IV. Carriages, horses, dogs, &c.	...	2,019
V. Military carriages, horses, &c.	...	85
VI. Parcels	5,286	...
VII. Special trains	46	...
VIII. Miscellaneous	...	37
IX. Post office	3,272	...
Total ...	8,687	4,882

12. *Abstract I—Goods Traffic.*—The following is a summary of the tonnage of goods lifted and the earnings therefrom as compared with the corresponding period of 1897 :—

—	Second half of 1897.		Second half of 1898.	
	Quantity.	Earnings.	Quantity.	Earnings.
	TONS.	RS.	TONS.	RS.
Merchandise, general	432,648	18,96,600	423,245	18,82,179
Military stores	28	744	19	364
Railway materials for construction	4,166	3,954	61,758	6,518
Coal	22,980	30,900	18,775	24,894
Revenue stores	222,283	41,502	268,495	51,179
Other goods traffic	..	15,224	..	14,435
Total ..	682,105	19,88,964	772,292	19,79,569

13. *Merchandise general.*—The traffic under this head shows the following results as compared with the corresponding period of 1897 :—

Tonnage	Decrease.	9,403	or 2·17 per cent.
Ton-mileage	„	2,406,926	or 6·01 „
Earnings	„	14,421	or 0·76 „

14. The average rate charged per ton per mile was 9·61 pies against 9·10 pies in the corresponding period of 1897.

15. *Railway Materials for construction—Increase of tons* 57,592 *and Rs.* 2,524.—Increase due to a greater quantity of ballast carried.

16. *Coal—Decrease of tons* 4,205 *and Rs.* 6,006.—The decrease was chiefly under "Coal for the Locomotive Department."

17. *Revenue Stores—Increase of tons* 46,212 *and Rs.* 9,677.—There was increase in the ballast carried for maintenance of the line and in the carriage of "Wood and patent fuel for the Locomotive Department."

18. The following table shows some of the principal commodities included above under the head of "Merchandise, general" carried during the two half-years under comparison :—

—	Second-half of 1897.		Second-half of 1898.	
	Quantity.	Amount.	Quantity.	Amount.
	TONS.	RS.	TONS.	RS.
Cotton, raw	6,745	43,594	6,726	40,878
Do. manufactured	10,413	1,20,704	9,326	1,09,321
Dyes and tans	6,178	49,496	6,037	51,174
Grain and pulse	137,984	4,71,714	115,266	4,54,528
Hides and skins	4,738	47,527	5,110	47,666
Jute	3,645	22,318	3,077	19,501
Metals	7,113	62,946	6,832	56,064
Oils	8,976	64,179	8,896	67,197
Oil-seeds	11,393	50,724	11,792	50,397
Provisions	13,567	78,518	13,753	75,733
Railway plant and rolling-stock	12,876	34,426	3,476	5,787
Salt	34,366	1,26,710	31,628	1,15,704
Spices	9,551	83,553	8,167	64,975
Stone and lime	48,195	59,958	66,183	67,545
Sugar	26,101	1,46,068	32,916	1,97,524
Timber	29,511	49,864	34,873	48,983
Tobacco	3,539	20,042	3,637	21,236
All other articles of merchandise	53,114	3,24,454	51,933	3,46,743

19. *Cotton, manufactured—Decrease of tons* 1,087 *and Rs.* 11,383.—The decrease was chiefly under "Piece-goods (European)" from Madras to the South Arcot, Tanjore and Southern districts and from Tuticorin to Madura. The demand for these goods was less than in the corresponding period.

20. *Grain and Pulse—Decrease of tons* 22,718 *and Rs.* 17,186.—The chief fluctuations in traffic under this head are as under:—

	Increase.	Decrease.
	Rs.	Rs.
Rice in the husk	1,02,195	...
Rice not in the husk	...	1,17,479
Jawar and Bajra	...	22,241
Grain and Pulse	18,432	...

Owing to bad crops in the South Arcot, Tanjore, Trichinopoly, Chingleput and Madura districts due to untimely rains, the export of "Rice not in the husk" was less than in the 1897 period.

Failure of crops in the Southern districts attracted a large quantity of "Rice in the husk" from the Tanjore and Trichinopoly districts.

Famine in Northern India having subsided, less quantity of "Jawar and Bajra" was exported.

Import of "Grain and Pulse" at Negapatam for the Madura and Tinnevelly districts was considerably more.

21. *Railway Plant and Rolling-stock—Decrease of tons* 9,400 *and Rs.* 28,639.—In the corresponding period of 1897 there was exceptional traffic in materials carried from Ennur and Salt Cotaurs to Gudur, Venkatachellam and Nellore for the Madras-Bezwada Railway.

22. *Salt—Decrease of Tons* 2,738 *and Rs.* 11,006.—Owing to the low cart rates, stations near Tuticorin and others along a portion of the East Coast were served by country carts.

23. *Spices—Decrease of Tons* 1,384 *and Rs.* 18,578.—About Rs. 10,000 of this decrease was in "Chillies" from Madras, Vellore, Negapatam and the Tinnevelly district to the Tanjore, South and North Arcot districts owing to overstocking in the latter in previous half-year, and about Rs. 7,000 in "Betel-nuts" from Tuticcrin to Madura and the South Arcot district and from Negapatam to stations on foreign railways on account of smaller imports from Penang, Singapore and Colombo.

24. *Stone and Lime—Increase of Tons* 17,988 *and Rs.* 7,587—chiefly on boulders carried from Pallaveram to Madras for the Harbour works.

25. *Sugar—Increase of Tons* 6,815 *and Rs.* 51,456.—The increase was under "Sugar, unrefined" from Tinnevelly to Arcot for the Arcot Sugar factories. The production of jaggery in the Tinnevelly district was considerably over the average.

26. *All other articles of merchandise—Decrease of Tons* 1,181 *and increase of Rs.* 22,289.—Longer lead gave a larger income. Nearly Rs. 15,000 of the increase was under cocoanuts from the Tanjore and Trichinopoly districts to stations on the Southern Mahratta Railway owing to the crops being above the average, and about Rs. 7,000 under "Cotton seeds" from the Southern Mahratta Railway to stations in the Tanjore district.

27. *Working Expenses.*—The working expenses of the two half-years compared as follows:—

—	Second half of 1897.		Second half of 1898.		Increase or decrease in amount.	Percentage of increase or decrease.
	Amount.	Percentage of gross earnings.	Amount.	Percentage of gross earnings.		
	Rs.		Rs.		Rs.	
Maintenance	5,91,171	12·97	4,30,640	10·46	1,60,531	27·15
Locomotive	8,73,705	19·17	8,60,121	20·88	13,584	1·55
Carriage and wagon	2,38,042	5·23	2,53,142	6·15	15,100	6·34
Traffic	4,18,876	9·19	4,01,135	9·74	17,741	4·24
General charges	3,09,023	6·78	3,06,570	7·44	2,453	·73
Steam boat service	..	..	..	..	..	..
Special and Miscellaneous ..	39,121	·86	52,674	1·28	13,553	34·64
Total ..	24,69,938	54·20	23,04,282	55·95	1,65,656	6·71

28. To admit of ready comparison being made the proportionate expenditure under each minor head chargeable to South Indian, Mayavaram-Mutupet, Pondicherry and the Peralam-Karaikkal Railways is shown in the annexed tables.

29. *Abstract A—Maintenance of Way, Works and Stations—Decrease of Rs.* 1,60,531.

December 1897. Total.	Pondicherry Railway.	Mayavaram-Mutupet Railway.	South Indian Railway.	—	December 1898. South Indian Railway.	Mayavaram-Mutupet Railway.	Pondicherry Railway.	Peralam-Karaikkal Railway.	Total.
Rs.	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.	Rs.	Rs.
1,23,325	474	3,496	1,19,355	I. General superintendence ..	1,15,933	3,467	448	365	1,20,213
4,49,827	1,729	12,753	4,35,345	II. Maintenance and renewal of permanent-way ..	2,52,318	7,546	975	795	2,61,634
31,769	122	901	30,746	III. Repairs of bridges, &c., wages and materials	33,041	988	128	104	34,261
..	..	..	..	III-A. Conservancy of rivers, &c.	..	..	..	..	..
23,305	90	661	22,554	IV. Repairs of stations and buildings, wages and materials.	22,924	686	89	71	23,770
..	..	..	..	V. Maintenance by contract ..	..	..	..	..	..
8,369	32	237	8,100	VI. New minor works	5,309	159	20	17	5,505
54,233	208	1,538	52,487	VII. Unclassified expenditure ..	35,129	1,051	136	110	36,426
6,90,828	2,655	19,586	6,68,587	Total ..	4,64,654	13,897	1,796	1,462	4,81,809
79,991	307	2,268	77,416	*Deduct*—Value of stores returned to stock	34,014	1,017	131	108	35,270
6,10,837	2,348	17,318	5,91,171	Total ..	4,30,640	12,880	1,665	1,354	4,46,539

II. Maintenance and Renewal of Permanent-way—Decrease, Rs. 1,83,027.—32 of a mile only was renewed with 50lb. rails against 6·47 miles in the 1897 period.

The major portion of work on renewals with cast iron cushions and insertion of additional tie bars was done in the previous half-year and there was only a small outlay incurred on that account in the half-year under review.

VII. Unclassified Expenditure—Decrease, Rs. 17,358.—There were two abnormal debits in the corresponding period due to the write-off on account of loss on sale of stores and to the adjustment of the difference between the book value and present value of girders in stock.

Stores returned to stock—Decrease, Rs. 43,402.—There was only ·32 of a mile renewed with 50 lb. rails against 6·47 miles in the 1897 period and consequently a smaller quantity of materials was removed from the line and returned to stores.

30. The cost of maintaining a mile of single track including sidings was Rupees 369·15 against Rs. 502·98 in the corresponding period of 1897 :—

31. *Abstract B—Locomotive Expenses—Decrease, Rs.* 13,584.

December 1897. Total.	Pondicherry Railway.	Mayavaram-Mutupet Railway.	South Indian Railway.	—	December 1898. South Indian Railway.	Mayavaram-Mutupet Railway.	Pondicherry Railway.	Peralam-Karaikkal Railway.	Total.
Rs.	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.	Rs.	Rs.
65,566	252	1,859	63,455	I. General superintendence ..	63,480	1,899	245	200	65,824
1,63,991	631	4,649	1,58,711	II. Running expenses	1,63,688	4,896	633	514	1,69,731
3,79,166	1,458	10,750	3,66,958	III. Fuel	3,45,361	10,330	1,335	1,085	3,58,111
19,202	74	544	18,584	IV. Water	18,573	567	73	60	19,673
39,949	154	1,133	38,662	V. Oil, Tallow and other stores ..	33,941	1,015	131	107	35,194
1,79,005	688	5,075	1,73,242	VI. Maintenance and renewal of Locomotive Engines ..	1,99,653	5,972	772	627	2,07,024
1,676	6	47	1,623	VI-A. Maintenance and renewal of Machinery, &c.	3,257	97	13	10	3,377
..	..	..	..	VII. New minor works ..	..	..	..	..	..
27	..	1	26	VIII. Payments to other lines ..	..	..	..	..	..
59,287	228	1,681	57,378	IX. Unclassified expenditure ..	37,746	1,129	146	119	39,140
9,07,869	3,491	25,739	8,78,639	Total ..	8,66,099	25,905	3,348	2,722	8,98,074
5,099	20	145	4,934	*Deduct*—Value of stores returned to stock	5,978	179	23	19	6,199
9,02,770	3,471	25,594	8,73,705	Total ..	8,60,121	25,726	3,325	2,703	8,91,875

III. Fuel—Decrease, Rs. 21,597.—Decrease in the consumption of coal due to reduced train mileage.

VI. Maintenance and Renewal of Locomotive Engines—Increase, Rs. 26,411.—Due chiefly to replacement of new axles, cranks, &c., to "O" class engines and to heavy repairs to a number of engine boilers.

IX. Unclassified expenditure—Decrease, Rs. 19,632.—In the corresponding period of 1897 there was a large debit on account of depreciation in the value of certain old and obsolete stores.

32. The locomotive expenses per train mile were 8·05 annas against 7·95 annas and per engine mile 6·86 annas against 6·81 annas.

33. *Abstract C—Carriage and Wagon Expenses—Increase, Rs.* 15,100—

December 1897.					December 1898.				
Total.	Pondicherry Railway.	Mayavaram-Mutupet Railway.	South Indian Railway.	—	South Indian Railway.	Mayavaram-Mutupet Railway.	Pondicherry Railway.	Peralam-Karaikkal Railway.	Total.
Rs.	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.	Rs.	Rs.
21,855	84	620	21,151	I. General superintendence ..	21,160	633	82	66	21,941
1,30,038	500	3,686	1,25,852	II. Repairs and renewals of vehicles— Coaching vehicles	1,11,576	3,337	432	350	1,15,695
69,273	266	1,964	67,043	Goods vehicles	97,070	2,903	375	306	1,00,654
..	..	..	..	III-A. Repairs and renewals of machinery, tools and plant ..	— 2	..	..	..	— 2
22,245	86	631	21,528	III. Cleaning carriages and wagons and oiling	23,281	696	90	74	24,141
..	..	..	..	IV. New minor works ..	..	103	..	10	..
2,861	11	81	2,769	V. Unclassified expenditure ..	3,422	..	13	..	3,548
2,46,272	947	6,982	2,38,343	Total ..	2,56,507	7,672	992	806	2,65,977
311	1	9	301	*Deduct*—Value of stores returned to stock	3,365	101	13	10	3,489
2,45,961	946	6,973	2,38,042	Total ..	2,53,142	7,571	979	796	2,62,488

II. Repairs and renewals of Vehicles—Increase, Rs. 15,751.—One hundred and fifty-four sets Jones' buffers were fitted during the half-year under review against only 84 in the corresponding period. Old axles were replaced by those of large and stronger type and buffer guides were provided to wooden lead stock during the half-year.

34. The carriage and wagon expenses per train mile amounted to 2·37 annas against 2·17 annas and Rs. 7·51 per 1,000 vehicle miles against Rs. 6·77.

35. *Abstract D—Traffic Expenses—Decrease, Rs.* 17,741—

December 1897.					December 1898.				
Total.	Pondicherry Railway.	Mayavaram-Mutupet Railway.	South Indian Railway.	—	South Indian Railway.	Mayavaram-Mutupet Railway.	Pondicherry Railway.	Peralam-Karaikkal Railway.	Total.
Rs.	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.	Rs.	Rs.
55,782	214	1,582	53,986	I. Salaries, wages, &c.— (a) General superintendence.	54,124	1,619	209	170	56,122
1,81,316	697	5,141	1,75,478	(b) Station staff	1,76,307	5,273	682	554	1,82,816
43,049	165	1,220	41,664	(c) Train staff	41,412	1,239	160	130	42,941
66,044	254	1,872	63,918	II. Fuel, lighting water and General stores ..	52,146	1,560	202	163	54,071
10,903	42	309	10,552	III. Clothing	10,149	303	39	33	10,524
65,530	252	1,858	63,420	IV Printing, Stationery and tickets	58,164	1,740	225	183	60,312
1	..	..	1	V. Charges for delivery and collection of goods ..	14	..	..	..	14
3,011	11	85	2,915	VI. Miscellaneous expenses ..	1,062	32	4	4	1,102
7,611	29	216	7,366	VII. Payments to other lines ..	8,047	241	31	25	8,344
201	1	6	194	VIII. Unclassified expenditure ..	270	8	1	1	280
4,33,448	1,665	12,289	4,19,454	Total ..	4,01,695	12,015	1,553	1,263	4,16,526
638	2	18	618	*Deduct*—Value of stores returned to stock ..	560	17	2	2	581
4,32,810	1,663	12,271	4,18,876	Total ..	4,01,135	11,998	1,551	1,261	4,15,945

II. Fuel, Lighting, Water and General Stores—Decrease, Rs. 11,772—chiefly due to the reduction of train service on the Pakala-Dharmavaram section, to the transfer of Nellore-Gudur section to the East Coast Railway, to the reduction in the supply of oil at most of the stations and to reduced rates for oils.

IV. Printing, Stationery and Tickets— Decrease, Rs. 5,256—due to a smaller number of tickets being supplied to stations owing to the falling off in passenger traffic and to less stationery and forms being drawn from stores.

36. The charges for station and train staff, the tonnage of goods lifted and the ton miles of goods carried compare as follows:—

—	Second half of 1897.	Second half of 1898.	Increase or decrease.	Percentage of increase or decrease.
	TONS.	TONS.	TONS.	
Tonnage of goods	682,105	772,292	90,187	13·22
	TON MILES.	TON MILES.	TON MILES.	
Ton miles of goods	45,626,290	43,683,195	1,943,095	4·26
	RS.	RS.	RS.	
Station staff	1,75,478	1,76,307	829	0·47
Train staff	41,664	41,412	252	0·60

37. The total cost of the department averaged annas 3·75 against 3·81 per train mile in the corresponding previous half-year.

38. *Abstract E—General Charges—Decrease, Rs.* 2,453—

December 1897.				—	December 1898.				
Total.	Pondicherry Railway.	Mayavaram-Mutupet Railway.	South Indian Railway.		South Indian Railway.	Mayavaram-Mutupet Railway.	Pondicherry Railway.	Peralam-Karaikkal Railway.	Total.
RS.	RS.	RS.	RS.		RS.	RS.	RS.	RS.	RS.
42,292	163	1,199	40,930	I. General Administration ..	41,097	1,229	159	129	42,614
41,664	160	1,181	40,323	I-A. Government supervision, audit and control	40,433	1,210	156	127	41,926
1,50,251	578	4,260	1,45,413	II. Salaries of Indian management including offices ..	1,46,292	4,376	565	460	1,51,693
21,848	84	619	21,145	III. Police	20,320	607	79	64	21,070
3,953	15	112	3,826	IV. Advertising	1,082	33	4	3	1,122
59,160	227	1,677	57,256	V. Electric telegraph	57,061	1,706	221	180	59,168
..	..	..	..	VI. Clearing accounts with other lines	..	..	..	..	..
204	1	6	197	VII. Unclassified expenditure ..	285	9	1	1	296
3,19,372	1,228	9,054	3,09,090	Total ..	3,06,570	9,170	1,185	964	3,17,889
69	..	2	67	*Deduct*—value of stores returned to stock ..	..	..	..	..	..
3,19,303	1,228	9,052	3,09,023	Total ..	3,06,570	9,170	1,185	964	3,17,889

The net decrease is small and calls for no special remarks.

39. *Abstract G—Special and Miscellaneous Expenditure—Increase, Rs.* 13,553—

December 1897.				—	December 1898.				
Total.	Pondicherry Railway.	Mayavaram-Mutupet Railway.	South Indian Railway.		South Indian Railway.	Mayavaram-Mutupet Railway.	Pondicherry Railway.	Peralam-Karaikkal Railway.	Total.
RS.	RS.	RS.	RS.		RS.	RS.	RS.	RS.	RS.
269	1	8	260	I. Law charges	126	4	1	..	131
1,334	5	38	1,291	II. Compensation	1,144	36	5	3	1,188
15,815	61	448	15,306	III. Rates and taxes	8,588	271	35	29	8,923
6,765	26	192	6,547	IV. Payments to other lines ..	4,081	129	16	14	4,240
..	..	..	..	V. Prizes for station gardens, &c.	..	..	..	..	..
12,136	46	344	11,746	VI. Contribution to Provident Institution.	11,978	378	49	40	12,445
4,641	18	132	4,491	VII. Miscellaneous	26,757	845	109	88	27,799
40,422	155	1,146	39,121	Total ..	52,674	1,663	215	174	54,726

III. Rates and Taxes—Decrease, Rs. 6,718.—The corresponding period included an arrear payment on account of house and water-tax paid to the Madras and Trichinopoly Municipalities.

VII. Miscellaneous—Increase, Rs. 22,266.—Under this head is included the cost of the Erode-Nanjangod Railway Survey incurred during the half-year under review.

40. *Statement of Train Mileage, Form No. XIV.*—The miscellaneous engine mileage 295,825 was 17·31 per cent. of the total train mileage 1,709,237 against 16·81 per cent. in the corresponding period of 1897.

41. *Statement of Outstanding Earnings, Form No. XVI.*—The earnings outstanding on the date of preparation of the statement were Rs. 13,559–5–2, of which Rs. 236–3–9 have since been recovered, and steps are being taken for the recovery of the balance.

ORDER—No. 484 Ry., dated 28th April 1899.

Ordered that the Chief Auditor's note on the Capital and Revenue Accounts of the South Indian Railway for the half-year ended the 31st December 1898 be forwarded to the Government of India and to the Secretary of State in continuation of G.O., No. 352 Ry., dated 28th March 1899.

[Here enter No. 485 Ry., dated 28th April 1899.]

(True Extract.)

Under Secretary.

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

ENDORSEMENT—No. 485 Ry., dated 28th April 1899.

Forwarded.

(By order.)

Joint Secretary.

Exd.

No. 12 / 484 Ry., 28th April 1899.

PUBLIC WORKS DEPARTMENT.

LETTER—to

THE RIGHT HONOURABLE THE SECRETARY OF STATE FOR INDIA.

MY LORD,

In continuation of our despatch No. 3 / 383 Ry., dated 28 March 1899, we have the honour to forward herewith a copy of Proceedings of this Government, No. 484 Ry., dated 28th April 1899, embodying the Chief Auditor's note on the Capital and Revenue Accounts of the South Indian Railway for the half-year ended the 31st December 1898.

We have the honour to be,

My Lord,

Your Lordship's most obedient, humble servants,

(Signed) A. E. HAVELOCK.

(„) A. T. ARUNDEL.

(„) H. M. WINTERBOTHAM.

(By order.)

Joint Secretary.

Ofaccount

FORT ST. GEORGE,
April 1899.

ENC. No. 1 OF 1724 OF 1899
LETTER NO. 293 3 4 99
FROM A

Print

Note by the Chief Auditor
South Indian Railway
on the
Capital and Revenue Accounts
for the Half year
Ending 31st December 1898.

1½

O/H	earnings on the Annual Capital during the			10	3117
Less	half year	15224	-		1443

Chief Auditor's Note on the Capital and Revenue Accounts of the S.I.R. for the half year ended the 31st Dec 1898.

Note by the Chief Auditor, South Indian Railway on the Capital and Revenue Accounts for the half year ending 31st December 1898.

Capital

Statement. V.

The outlay during the half year included a credit of Rs 2253790 on account of the Capital Cost of the section of the line between Gudur and Nellore, transferred to the Bezwada Madras Railway under the Sanction of the Government of India No ~~14 50~~ 14 15. R.C. dated 30th August 1897.

The ordinary outlay amounted to Rs 119387 incurred chiefly under "Stations and Buildings" on account of the rearrangement of Gudur station and on "Rolling Stock" due to construction of Composite and tri Composite carriages sanctioned by G.O.C. Nos 148. R of 27-1-98 and 1052 R dated 15. 8. 98.

2/ Statements VI and ~~XVIII~~

The total Capital outlay to end of December 1898 including suspense accounts was Rs 74526344 and excluding suspense accounts, Rs 72186970 The latter figures gave on the total open mileage, 1017·88, an average cost of Rs 70919 per mile.

2

Form No. 1.

Revenue

3/. General Results.

The following table shows the general results of the working:—

	Second Half of 1897	Second Half of 1898	Increase or Decrease	Percentage of Increase or Decrease
	Miles	Miles	Miles	
Mean mileage worked	1041·59	1033·73	7·86	0·75
Train mileage	1757473	1709237	48236	2·74
	N°.	N°.	N°.	
Average number of trains over the whole line daily in both directions	9·17	8·99	·18	.
	Rs	Rs	Rs	
Gross Earnings	4557345	4118526	438819	9·63
Working Expenses	2469938	2304282	165656	6·71
Net Earnings	2087407	1814244	273163	13·09
Percentage of working Expenses to gross earnings	54·20	55·95	1·75	.
Percentage of net earnings on Capital outlay including suspense	2·72	2·43	·29	.

4/. The gross earnings per mean mile worke per week averaged Rs 153·24 against Rs 168·2 and were realized at a cost of 55·95 percent against 54·20 percent during the correspon ing period of 1897.

5/. The percentage of working expenses to gro earnings for the year 1898 was 54·50 again 53·01 for 1897 and the percentage of net earnings on the total Capital outlay includ

Other [illegible]	.	15224	.	1443

6/. The net earnings with the adjustment shown in Statement No XIX gave, after deducting interest charges and the additional contribution to Provident Fund, a surplus of Rs 630166 of which the Company's share was Rs 118351 and the Government's Rs 511815.

7/. The contributions to the Provident Institution during the half year were Rs 18094 as under:—

Fifty percent of compulsory deductions charged to working expenses	Rs 12445
Additional Contribution as per Surplus Profits Statement XIX	Rs 5649
Total	Rs 18094

8/. Gross Earnings.

The following table shows the gross earnings for the two half years

	Second Half of 1897	Second Half of 1898	Increase or Decrease in amount	Percentage of Increase or Decrease
	Rs	Rs	Rs	
Coaching	2369889	2056133	313756	13·24
Goods	1988964	1979569	9395	·4
Electric Telegraph	10135	10448	313	3·0
Other sundries	[illegible]	15224	-	1443

Form No. 1.

9/- Abstract H. Coaching Traffic.

The number of passengers carried in the several classes including police, troops and season ticket holders and the earnings therefrom compare as follows:—

	First Class		Second Class		Third Class		Total	
	No.	Earnings	No.	Earnings	No.	Earnings	No.	Earnings
		Rs		Rs		Rs		Rs
Second Half of 1897	9213	30961	67550	80400	6175284½	2135096	6252047½	2246457
Second Half of 1898	12247	40276	50184½	73537	5414768	1815383	5477199½	1929196
Increase	3034	9315						
Decrease			17365½	6863	760516½	319713	774848	317261

10/- The above table shows a net decrease of 774848 in the number of passengers carried and Rs 317261 in receipts during the half year ending December 1898.

The decrease was chiefly due to plague precautionary measures adopted by Government and to unfavourable season on account of which local festivals were poorly attended

The breaches in the main line in November and December 1898 ~~also~~ affected this Traffic to some extent. The transfer of the Nellore Gudur Section to the East Coast Ry in Nov: 98 accounts also for a considerable decrease.

Other Coaching Traffic.

11/- The fluctuations

Other goods	Other coaching	42283	41502	268495	51175
		-	15224	-	14423

...1 ...

...1 Train and Pulse.

the following Table:—

	Increase	Decrease
	Rs	Rs
II. Passengers' Luggage	"	2741
III. Military Baggage	83	"
IV. Carriages, horses, dogs &c	"	2019
V. Military Carriages, horses &c	"	85
VI Parcels	5286	"
VII Special trains	46	"
VIII Miscellaneous	"	37
IX Post office	3272	"
Total	8687	4882

12/- Abstract I. Goods Traffic.

The following is a summary of the tonnage of goods lifted and the earnings therefrom as compared with the corresponding period of 1897.

	second half of 1897		second half of 1898	
	Quantity	Earnings	Quantity	Earnings
	Tons	Rs	Tons	Rs
Merchandise general	432648	1896600	423245	1882179
Military Stores	28	744	19	364
Railway materials for Construction &c	4166	3994	61758	6518
Revenue stores	22980	30900	18775	24891
Other goods traffic	222283	41502	268495	5117
	-	15224	-	14423

2of. Grain and Pulse.

13/ Merchandise general

The traffic under this head shows the following results as compared with the corresponding period of 1897.

Tonnage	Decrease	9403 or 2·17	per cent
Ton. Mileage ...	—"—	240692 or 6·01	—"—
Earnings	—"—	14421 or 0·76	—"—

14/ The average rate charged per ton per mile was 9·61 pies against 9·10 pies in the corresponding period of 1897.

15/ Railway Materials for Construction.

Increase of Tons 57,592 and Rs 2,524

Increase due to a greater quantity of ballast carried.

16/ Coal.

Decrease of Tons 4,205 and Rs 6,006

The decrease was chiefly under "Coal for the Locomotive Department".

17/ Revenue Stores.

Increase of Tons 46,212 and Rs 9677

There was increase in the ballast carried for maintenance of the line and in the carriage of "Wood and patent fuel for the Locomotive Department".

2of Grain and Pulse.

years under comparison:—

	second half of 1897		second half of 1898.	
	Quantity	Amount	Quantity	Amount
	Tons	Rs	Tons	Rs
Cotton, raw	6745	43594	6726	40878
Cotton, manufactured	10413	120704	9326	109321
Dyes and Tans	6178	49496	6037	51174
Grain and Pulse	137984	471714	115266	454528
Hides and Skins	4738	47527	5110	47666
Jute	3645	22318	3077	19501
Metals	7113	62946	5832	56064
Oils	8976	64179	8896	67197
Oil seeds	11393	50724	11792	50397
Provisions	13567	78518	13753	75733
Railway plant and Rolling Stock	12876	34426	3476	5787
Salt	34366	126710	31628	115704
Spices	9551	83553	8167	64975
Stone and Lime	48195	59958	66183	67545
Sugar	26101	146068	32916	197524
Timber	29511	49864	34873	48983
Tobacco	3539	20042	3637	21236
All other articles of merchandise	53114	324454	51933	346743

19/ Cotton manufactured.

Decrease of Tons 1087 and Rs 11383.

The decrease was chiefly under "Piece goods (European)" from Madras to the South Arcot Tanjore and Southern districts and from Tuticorin to Madura. The demand [illegible]

2of Grain and Pulse.

Decrease of Tons 22718 and Rs 17186

The chief fluctuations in traffic under this head are as under:—

	Increase	Decrease
Rice in the husk	102195	
Rice not in the husk		117479
Jawar and Bajra		2224
Grain and Pulse	18432	

Owing to bad crops in the South Arcot, Tanjore, Trichinopoly, Chingleput and Madura Districts due to untimely rains, the export of "Rice not in the husk" was less than in the 1897 period.

Failure of crops in the Southern Districts attracted a large quantity of "Rice in the husk" from the Tanjore and Trichinopoly Districts.

Famine in Northern India having subsided, less quantity of "Jawar and Bajra" was exported.

Import of "Grain and Pulse" at Negapatam for the Madura and Tinnevelly Districts was considerably more.

21. Railway Plant and Rolling Stock.

Decrease of Tons 9400 and Rs 2863

In the corresponding period of 1897 there was exceptional traffic in materials carried from Ennur and Salt Cottaurs Gudur, Venkatachellam and Nellore for the Madras Bezwada Railway.

22/. Salt. Decrease of Tons 2738 and Rs 11006

Owing to the low cart rates, stations near Tuticorin and others along a portion of the East Coast were served by Country Carts

23/. Spices. Decrease of Tons 1384 and Rs 18578

About Rs 10000 of this decrease was in "Chillies" from Madras, Vellore, Negapatam and the Tinnevelly District to the Tanjore South and North Arcot Districts owing to overstocking in the latter in previous half year, and about Rs 7000 in "Betel-nuts from Tuticorin to Madura and the South Arcot District and from Negapatam to stations on foreign railways on account of smaller imports from Penang, Singapore and Colombo

24/. Stone and Lime.

Increase of Tons 17988 and Rs 7587

Chiefly on Boulders carried from Pallaveram to Madras for the Harbour works.

25/. Sugar.

Increase of Tons 6815 and Rs 51456

The increase was under "Sugar unrefined from Tinnevelly to Arcot for the Arcot Sugar factories. The production of Jaggery in the Tinnevelly District was considerably over the average.

26/. All other articles of merchandise.

Decrease of Tons 1181 and increase of Rs 2228;

Lower lead gave a larger increase

Cocoanuts from the Tanjore and Trichinopoly Districts to stations on the Southern Mahratta Railway owing to the crops being above the average, and about Rs 7,000 under "Cotton Seeds" from the Southern Mahratta Railway to stations in the Tanjore District.

27/- Working Expenses.

The working expenses of the two half years compared as follows:-

	second Half of 1897		second Half of 1898.		Increase or decrease in Amount	Percentage of increase or decrease
	Amount	Percentage of gross Earnings	Amount	Percentage of gross Earnings		
	Rs		Rs		Rs	
Maintenance	591171	12·97	430640	10·46	160531	27·15
Locomotive	873705	19·17	860121	20·88	13584	1·55
Carriage and Wagon	238042	5·23	253142	6·15	15100	6·34
Traffic	418876	9·19	401135	9·74	17741	4·24
General Charges	309023	6·78	306570	7·44	2453	·79
Steam boat service	"	"	"	"	"	"
Special & Miscellaneous.	39121	·86	52674	1·28	13553	34·64
Total.	2469938	54·20	2304282	55·95	165656	6·71

28/- To admit of ready comparison being made the proportionate expenditure under each minor head chargeable to South Indian Mayaveram-Mutupet, Pondicherry and the Peralam-Karaikal Railways is shown in the annexed tables.

Form No. 1.

29/9

Abstract A. Maintenance of Way, Works and Stations.

Decrease of Rs 160531

December 1897						Decrease 1898				
Total	Southern Railway	Mayavaram Mettupalayam Railway	South Indian Railway		South Indian Railway	Mayavaram Mettupalayam Railway	Southern Railway	Peralam Karaikal Railway	Total
123325	474	3496	119355	I. General Superintendence	115933	3467	448	365	120213
449827	1729	12753	435345	II. Maintenance & Renewal of Permanent Way.	252318	7546	975	795	261634
31769	122	901	30746	III Repairs of Bridges &c Wages and Materials	33041	988	128	104	34261
.	.	.	.	III A. Conservancy of Rivers &c	.	.	.	.	.
2 305	90	661	22554	IV Repairs of Stations and Building Wages and materials.	22924	686	89	71	23770
.	.	.	.	V Maintenance by Contract	.	.	.	.	.
8369	32	237	8100	VI New Minor Works.	5309	159	20	17	5505
54233	208	1538	52487	VII Unclassified Expenditure	35129	1051	136	110	36426
690828	2655	19586	668587	Total	464654	13897	1796	1462	481809
79991	307	2268	77416	Deduct. Value of Stores returned to stock.	34014	1017	131	108	35270
37	2348	17318	591171	Total	430640	12880	1665	1354	44653

II Maintenance and Renewal of Permanent Way.

Decrease Rs 183027.

·32 of a mile only was renewed with 50 tb rails against 6·47 miles in the 1897 period.

The major portion of work on renewals with cast iron cushions and insertion of additional tie bars was done in the previous half year and there was only a small outlay incurred on that account ~~now~~ in the half year under review.

VII Unclassified Expenditure.

Decrease Rs 17358.

There were two abnormal debits in the corresponding period due to the write off on account of loss on sale of stores and to the adjustment of the difference between the book value and present value of girders in stock.

Stores returned to Stock.

Decrease Rs 43402.

There was only ·32 of a mile renewed with 50 tb rails against 6·47 miles in the 1897 period and consequently a smaller quantity of materials was removed from the line and returned to Stores.

30/- The cost of maintaining a mile of single track including sidings was Rs 369·15 against Rs 502·98 in the corresponding period of 1897.

Abstract

Form No. 1.

31/-

Abstract. B. Locomotive Expenses. Decrease Rs 13584

December 1897					December 1898.				
Total	Southern Railway	Mangalore Mutthabeh Railway	South Indian Railway		South Indian Railway	Mangalore Mutthabeh Railway	Southern Railway	Peralam Karaikal Ry	Total
65566	252	1859	63455	I General Superintendence	63480	1899	246	200	65824
163991	631	4649	158711	II Running Expenses	163688	4896	633	514	169731
379166	1458	10750	366958	III Fuel	346361	10330	1335	1085	358111
19202	74	544	18584	IV Water	18973	567	73	60	19673
39949	154	1133	38662	V Oil, Tallow and other Stores.	33941	1015	131	107	35194
17906	8	5075	173242	VI Maintenance and Renewal of Loco Engines	199653	5972	772	627	207024
1676	6	47	1623	VI a. -do- of machinery &c	3257	97	13	10	
.	.	.	.	VII New Minor Works.	.	.	.	.	10
27	.	1	26	VIII Payments to other lines	.	.	.	.	
59287	228	1681	57378	IX Unclassified Expenditure	37746	1129	146	119	806
907869	3491	25739	878639	Total	866099	25906	3348	27	10
5099	20	145	4934	Deduct. Value of Stores returned to stock.	5978	179	22		
902770	3471	25594	873705	Total	860121	25726	3326	979	

III Fuel. Decrease Rs 21597

Decrease in the consumption of Coal due to reduced train mileage.

VI Maintenance and Renewal of Loco Engines.

Increase Rs 26411

Due chiefly to replacement of new axles, cranks &c to "O" class Engines and to heavy repairs to a number of Engine Boilers

IX Unclassified Expenditure.

Decrease Rs 19632

In the corresponding period of 1897 there was a large debit on account of depreciation in the value of certain old and obsolete stores.

32/- The Locomotive expenses per train mile were 8·05 annas against 7·95 annas and per Engine mile annas against 6·81 annas.

33/-

Abstract C. Carriage and Wagon Expenses.

Increase Rs 15100

December 1897					December 1898.					
Total	Pondicherry Railway	Mayavaram Mutthupet Railway	South Indian Railway		South Indian Railway	Mayavaram Mutthupet Railway	Pondicherry Railway	Peralam Karaikal Ry	Total
21855	84	620	21151	I General Superintendence	21160	633	82	66	21941
				II Repairs and Renewals of Vehicles.					
130038	500	3686	125852	Coaching Vehicles	111576	3337	432	350	115695
69273	266	1964	67043	Goods Vehicles.	97070	2903	375	306	100654
				IIA. Repairs and renewals of machinery, tools and plant.	-	2	.	.	. -
22245	86	631	21528	III Cleaning Carriages and Wagons and oiling	23281	696	90	74	24141
.	.	.	.	IV New Minor Works.	.	.	.	.	.
2861	11	81	2769	V Unclassified Expenditure	3422	103	13	10	3548
246272	947	6982	238343	Total	256507	7672	992	806	265977
311	1	9	301	Deduct. Value of stores returned to stock	3365	101	13	10	3489
245961	946	6973	238042	Total	253142	7571	979	796	262488

II Repairs and renewals of Vehicles

Increase Rs 15751

154 sets Jones' Buffers were fitted during the half year under review against only 84 in the corresponding period. Old axles were replaced by those of large and stronger type and buffer guides were provided to wooden lead stock during the half year.

34/- The carriage and wagon expenses per train mile amounted to 2·37 annas against 2·17 annas and Rs 7·51 per 1000 Vehicle miles against Rs 6·77.

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17

35

Abstract D. Traffic Expenses.

Decrease Rs 17.741

December 1897					December 1898.				
Total	Pondicherry Railway	Mayavaram Mutlupet Railway	South Indian Railway		South Indian Railway	Mayavaram Mutlupet Railway	Pondicherry Railway	Peralam Karaikal Railway	Total
				I Salaries Wages &c					
55782	214	1582	53986	(a) General Superintendence	54124	1619	209	170	56123
181316	697	5141	175478	(b) Station Staff	176307	5273	682	554	182816
43049	165	1220	41664	(c) Train staff	41412	1239	160	130	42941
66044	254	1872	63918	II Fuel, Lighting, water and General Stores	52146	1560	202	163	54071
10903	42	309	10552	III Clothing	10149	303	39	33	10524
65530	252	1858	63420	IV Printing, Stationery and Tickets	58164	1740	225	183	60312
1	.	.	1	V Charges for delivery and Collection of Goods	14	.	.	.	14
3011	11	85	2915	VI Miscellaneous Expenses	1062	32	4	4	1102
7611	29	216	7366	VII Payments to other lines	8047	241	31	25	8344
201	1	6	194	VIII Unclassified Expenditure	270	8	1	1	280
				Total	401695	12015	1553	12	415275
433448	1665	12289	419494		560	17	2		579
638	2	18	618	Deduct. Value of stores returned to stock					
432810	1663	12271	418876	Total	401135	11998	1551	1	414695

II Fuel, Lighting, Water and General Stores.

Decrease Rs 11772.

Chiefly due to the reduction of train service on the Pakala - Dharmavaram section, to the transfer of Nellore - Gudur section to the East Coast Railway, to the reduction in the supply of oil at most of the stations and to reduced rates for oils.

IV Printing Stationery and Tickets.

Decrease Rs 5256.

Due to a smaller number of tickets being supplied to stations owing to the falling off in passenger traffic and to less stationery and forms being drawn from stores.

36/- The charges for station and train staff, the tonnage of goods lifted and the ton miles of goods carried compare as follows:—

	Second half of 1897	Second half of 1898	Increase or Decrease	Percentage of Increase or Decrease
Tonnage of goods	Tons 682105	Tons 772292	Tons 90187	13
Ton miles of goods	Ton Miles 45626290	Ton Miles 43683195	Ton Miles 1943095	
Station staff	Rs 175478	Rs 176307	Rs 829	
Train staff	41664	41412	252	

37/- The total cost of the department amounts 3·75 against 3·81 per train mile the corresponding previous half year.

59

Form No. 1.

38/.

Abstract E. General Charges.

Decrease Rs 2453

December 1897						December 1898				
Total	Southern Indian Railway	Mayavaram to Tripatur Railway	Southern Indian Railway			Southern Indian Railway	Mayavaram to Tripatur Railway	Pondicherry Railway	Pondicherry Karaikal Railway	Total
42292	163	1199	40930	I	General Administration	41097	1229	159	129	42614
41664	160	1181	40323	I A.	Government Supervision audit and Control.	40433	1210	156	127	41926
150251	578	4260	145413	II	Salaries of Indian Management including offices	146292	4376	566	460	151693
21848	84	619	21145	III	Police	20320	607	79	64	21070
3953	15	112	3826	IV	Advertising	1082	33	4	3	1122
59160	227	1677	57236	V	Electric Telegraph	57061	1706	221	180	59168
.	.	.	.	VI	Clearing accounts with other lines.	.	.	.	.	.
204	1	6	197	VII	Unclassified Expenditure	285	9	1	1	296
319372	1228	9054	309090		Total	306570	9170	1186	964	317890
69	.	2	67		Deduct. Value of stores returned to stock.	.	.	.	.	4
319303	1228	9052	309023		Total	306570	9170	1185	964	317886

The net decrease is small and calls for special remarks.

39/.

Abstract G. Special and Miscellaneous Expenditure.

Increase Rs 13553

December 1897					December 1898					
Total	Pondicherry Railway	Nagapattinam Tiruttuppundi Railway	South Indian Railway		South Indian Railway	Nagapattinam Tiruttuppundi Railway	Pondicherry Railway	Peralam Karaikal Ry	Total.
269	1	8	260	I Law charges.	126	4	1	.	131
1334	5	38	1291	II Compensation	1144	36	5	3	1188
15815	61	448	15306	III Rates and Taxes.	8588	271	35	29	8923
6765	26	192	6547	IV Payments to other Lines	4081	129	16	14	4240
.	.	.	.	V Prizes for Station gardens &c	.	.	.	.	.
12136	46	344	11746	VI Contribution to Provident Institution	11978	378	49	40	12445
4641	18	132	4491	VII Miscellaneous.	26757	845	109	88	27799
					Total 52674	1663	215	174	54726
40422	155	1146	39121						

III Rates and Taxes.

Decrease Rs 67

The corresponding period includes arrear payment on account of Hon water tax paid to the Madras an Trichinopoly Municipalities.

F39

VII Miscellaneous Increase Rs 22266

Under this head is included the cost of the Erode Nanjangod Railway Survey incurred during the half year under review

40/. Statement of Train Mileage. Form No. XIV

The miscellaneous engine mileage 295825 was 17·31 percent of the total train mileage 1709237 against 16·81 percent in the corresponding period of 1897.

41/- Statement of Outstanding Earnings. Form No. XVI

The earnings outstanding on the date of preparation of the statement were Rs 13559-5-6 of which Rs 236-3-9 have since been recovered and steps are being taken for the recovery of the balance.

Railway

30th March 1899

Chief Auditor
S. I. R.

URGENT.

No. 293

South Indian Railway Co., Ld.,

AGENT'S OFFICE,

TRICHINOPOLY, 3rd April 1899.

Quote

12 Quote

From

Ag:
The AGENT,

SOUTH INDIAN RAILWAY,

To

The CONSULTING ENGINEER FOR RAILWAYS,

MADRAS.

CONSULTING ENGINEER FOR RAILWAYS RECEIVED 4 APR. 1899 MADRAS.

D. No. 1724
Read 4-4-99

Sir,

I have the honor to forward herewith the Chief Auditor's Report on the Capital and Revenue Accounts of the South Indian Railway for the half year ended 31st December 1898.

I have the honor to be
Sir
Your most obedient Servant

H. Le Messurier
for Ag: Agent.

1 Enclosure ~~by book post.~~

9.

1899

To Guide

1899

Form No. 1.

PUBLIC WORKS DEPARTMENT,

RAILWAY BRANCH.

Papers to be read in Proceedings:—

Again G.O., dated 189 , No.

Again G.O., dated 189 , No.

Ek Current No. 1724 of 1899, dated 4-4-99 , from A Dte

" " " 189 , " , "

" " " 189 , " , "

ORDER. No. 484. Ry dated 28/4/99

Ordered that the Chief Accountant note in the Capital and Revenue Accounts of the South Indian Railway for the half year ended the 31st Dec. 1898, be forwarded to the Govt of India and the Secretary of State in continuation of C.O. No. 352 Rlys 28th March 1899

238

To The Govt of India
" Examiner C. Rlys
" Comr. Engr for Rlys

Despatched on 12/5/99.

E 1075/99.
ill oc.

H. E. No. 485 Rlys 28th April 1899.
Forwarded.

H. S. No. 12/484. Rlys 28th April 1899
To

The Rt Hon'ble the Secy of State for India in Council.

In continuation of our despatch No. 3/352 Rlys 28th March 1899

From
THE AGENT,
South Indian Railway,
Trichinopoly.

To
THE CONSULTING ENGINEER FOR
RAILWAYS,
Madras.

Dated
Received } 189

No.

ENCLOSURE.

1899. We have the honour to forward herewith a copy of Prop. of the Govt. No 484. Dr & 2810 April 1899. enclosing the Chief Accountant's note on the Capital and Revenue Accounts of the S.I.R. for the half year ended 31st December 1898.

£ 415/98.

J.H.
5.4.99.