

(1) Number of pages 57

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 193

(Ry)

Press
Mis.

Dated 20 / 1 - 1877.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
20th January 1877. No. 193.*

No. 373. Read the following letter from Lieutenant-Colonel J. H. M. SHAW-STEWART, R.E., Consulting Engineer for Railways, to Major-General G. W. WALKER, F.E., Secretary to Government, Public Works Department, dated Madras, 16th January 1877, No. 29 :—

I HAVE the honor to forward herewith the Review of the Revenue Account of the Madras Railway for the half-year ending 30th June 1876, with the following remarks.

2. *Table G-I.*—An increase is shown in the weight of many of the descriptions of rolling stock, which is said to be the result of a general re-weighment which has lately been made. This has had the effect of reducing the percentage of freight to total weight in Table M-I.

3. *Table E-II.*—This table has not been prepared in the revised form ordered in Government of India No. 2,346 R, dated 12th September 1876, as the order was not received by the Railway Authorities until after the information had been recorded in the usual manner.

4. *Table A-VII.*—I venture to suggest, for the consideration of the Government of India, that a column (say 80 A) be inserted for the total number of vehicles in a train of each description. This information was included in the old form, and might, I think, be re-introduced with advantage. In order to obtain this it is necessary at present to add together the figures in twelve columns.

No. 374. ORDER THEREON, 20th January 1877, No. 192.

RAILWAY, No. 28.

ORDERED to be forwarded to the
Government of India.

(True Extract.)

(Signed) J. H. M. SHAW-STEWART, Lieut.-Colonel, R.E.,
Joint Secretary to Government.

No. 375. (DOCKET, No. 193, dated 20th January 1877.)

COPY of the above forwarded to the Government of India.

(True Extract.)

Lieut.-Colonel, R.E.,
Joint Secretary to Government.

Exd. A. Grubert.
Spare Copies

OF THE

For the half-year ended 30th June 1876

General Statement of working of half-year ending 30th June 1876.

-L-Description of Railway worked.																
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
Gauge of railway.	Length sanctioned.	OPEN MILEAGE AT THE END OF THE HALF-YEAR.					Mean mileage worked.	Number of Stations open at the end of the half-year	Average distance between Stations.	TOTAL LENGTH OF THE FOLLOWING GRADIENTS.			STEEPEST GRADIENT WORKED BY			
		Single.	Double.	Total.	Sidings.	Miles and less.				$\frac{1}{10}$ to $\frac{1}{100}$	$\frac{1}{10}$ to $\frac{1}{100}$	Fixed power.	Locomotives.			
														Length.	Inclination	Length.
Ft. In.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	
5.6	m. ch m. ch m. ch m. ch m. ch	858-8	355-53	3-35	858-8	90-37	858- $\frac{1}{2}$	83	10-45	62-53	209-10	130-18	- - -	- - -	0.64	1 mi 60

II.—Financial Results.

III.—Summary of General Results.

Earnings (from No. VIII of the
Revenue Account)... ..

Percentage of expenses to earnings...

VI.—Haulage and Working.

TRAIN-MILEAGE.					VEHICLE-MILEAGE (EXCLUSIVE OF BRAKE-VANS).					GROSS TON-MILEAGE (FREIGHT AND DEAD WEIGHT).				
Traffic.		Run for public traffic.		Total.	Run for public traffic.		Miscellaneous.	Total, including Miscellaneous.	For public traffic.			Miscellaneous (for Revenue purposes).	Total, including Miscellaneous.	
Miscellaneous.	Total.	Coaching.	Goods.		Total.	Coaching.			Goods.	Total.				
54	55	56	57	58	59	60	61	62	63	64	65	66		
1009094	685031077602	5528686986753	55396193	406131558022746006727405128	173919207312650	186504								

VII.—Average composition and weight of Trains.

Nature of Train.	COMPOSITION.												WEIGHT.			
	Coaching Vehicles.						Goods Vehicles.						Freight or live load.	Dead load, exclusive of engines and tenders and brakes.	Total.	
	1st class.	2nd class.	3rd class.	4th class.	Carrriage trucks.	Horse boxes.	Lug- gage vans.	Post Office Vehi- cles.	Brake- vans.	Goods vehi- cles.	Cattle vans.	Mineral trucks.				Brake- vans.
Passenger	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	Tons.	Tons.	Tons.
...	1081	3295	946	020	0136	2326	1572	0010	0172	1316	1187	---	0632	15990	105039	121029
Goods	...	0041	0115	0306	0010	0159	0175	0010	0103	1630	0156	---	0734	30623	102847	153470
Mixed	...	0877	1173	2640	0861	0141	0382	0322	0230	3547	8540	0095	0464	29936	92326	122262

VIII.—Average loads of Vehicles.

Details.	84	85	86	AVERAGE WEIGHT			Proportion per cent. of freight to dead weight.
				Average carrying capacity.	Average contents of each vehicle.		
Coaching							
...	...	No.	No.	Tons.	Tons.	Tons.	
1st class	...	12.279	1.881	8.065	0.165	8.230	2.026
2nd "	...	34.268	3.402	7.922	0.298	8.220	3.762
3rd "	...	48.779	21.289	6.700	1.331	8.031	19.866
4th "	...	50.000	28.625	6.050	1.789	7.839	29.570
Carriage trucks	...	1.485	0.660	5.292	0.223	5.515	4.214
Horse boxes	...	3.000	1.009	7.375	0.441	7.816	5.980
Luggage vans	...	3.803	1.152	7.094	1.152	8.246	16.239
Post Office vehicles	...	- - -	0.450	7.093	0.450	7.543	6.344
Goods							
Goods vehicles	...	6 1/2 68 1/2	3.011	5.726	3.011	8.737	52.585
Cattle vans	...	6 1/2	0.680	6.450	0.680	7.130	10.543
Mineral trucks	...	- - -	- - -	- - -	- - -	- - -	- - -

TABLE C.

Statement showing in comparison the Goods Traffic of the half-years ending
 30 June 1875, and 30 June 1876.

REFERENCE TO REVENUE ACCOUNT.	DETAILS.	TON MILES.				AVERAGE RATE PER TON PER MILE.		RECEIPTS.		AVERAGE MILEAGE.	
		1875.		Half, 1876.		Half, 1875.	Half, 1876.	Half, 1875.	Half, 1876.	Half, 1875.	Half, 1876.
Table and Main- head.		Up.	Down.	Up.	Down.						
X (1)	MERCHANDISE, GENERAL—										
	Special	1118828	1118828	1118828	1118828	1118828	1118828	1118828	1118828	1118828	1118828
	1st Class	649825	649825	649825	649825	649825	649825	649825	649825	649825	649825
	2nd "	118985	118985	118985	118985	118985	118985	118985	118985	118985	118985
	3rd "	107253	107253	107253	107253	107253	107253	107253	107253	107253	107253
	4th "	762769	762769	762769	762769	762769	762769	762769	762769	762769	762769
2	5th "	113663	113663	113663	113663	113663	113663	113663	113663	113663	113663
	TOTAL	2155593	2155593	2155593	2155593	2155593	2155593	2155593	2155593	2155593	2155593
3	MILITARY STORES										
	RAILWAY MATERIALS FOR CONSTRUCTION.	582181	582181	582181	582181	582181	582181	582181	582181	582181	582181
4	MINERALS— Coal	22953	22953	22953	22953	22953	22953	22953	22953	22953	22953
	1 For the Public	—	—	—	—	—	—	—	—	—	—
5	2 " Company (Con- struction only.)	—	—	—	—	—	—	—	—	—	—
	TOTAL GOODS	2216107	2216107	2216107	2216107	2216107	2216107	2216107	2216107	2216107	2216107
6	STORES CARRIED FREE FOR REVENUE.	901056	901056	901056	901056	901056	901056	901056	901056	901056	901056
	LIVE STOCK—										
7	1 Horses	268	268	268	268	268	268	268	268	268	268
	2 Cattle	746	746	746	746	746	746	746	746	746	746
8	3 Sheep, &c.	4578	4578	4578	4578	4578	4578	4578	4578	4578	4578
	MILITARY LIVE STOCK—										
9	1 Horses	387	387	387	387	387	387	387	387	387	387
	2 Cattle	9	9	9	9	9	9	9	9	9	9
10	3 Sheep, &c.	3	3	3	3	3	3	3	3	3	3
	RENTS AND DEMURAGE, WHARFAGE, &c.										
11	INTEREST ON OUTSTANDING BILLS.										
	MISCELLANEOUS										
TOTAL		1878458	1878458	1878458	1878458	1878458	1878458	1878458	1878458	1878458	1878458
Less outstandings irrecoverable											
NET TOTAL		1878458	1878458	1878458	1878458	1878458	1878458	1878458	1878458	1878458	1878458

TABLE D.
Statement of Mileage maintained by Revenue.

REFERENCE TO REVENUE ACCOUNT.	DETAILS.	1 st HALF OF 1875.			1 st HALF OF 1876.		
		Depart- mentally.	By Contract.	Total.	Depart- mentally.	By Contract.	Total.
		Miles.	Miles.	Miles.	Miles.	Miles.	Miles.
IX. (A.)	1. Mean miles of (Single ...	830.813	-	830.813	854.661	-	854.661
	2. line main- tained by Double ...	3.437	-	3.437	3.437	-	3.437
	3. Revenue. (Total ...	834.250	-	834.250	858.098	-	858.098
	4. Mean miles of sidings main- tained ...	87.013	-	87.013	91.024	-	91.024
	Total ...	921.263	-	921.263	949.122	-	949.122
	5. Mean miles of single track including sidings ...	924.700	-	924.700	952.559	-	952.559

TABLE D.—I.
Statement of Train Mileage.

DETAILS.	TRAIN MILES RUN.				HOURS OF			
	Traffic Department.	Locomotive Department.	Maintenance Department.	Total.	Assisting Engines.	Shunting, Piloting, &c.	Miscellaneous Services.	
	XIV. 1.	XIV. 2.	XIV. 3.		XIV. 4.	XIV. 5.	XIV. 6.	
Reference to Revenue Account.								
1 st Half, 1875.	9214	17,506	58,472	1124,112	35	26,492	2,147	
2 nd Half, 1876.	8835	21,652	46,856	1,077,602	57	27,683	2,477	
Total	1048,134	17,506	58,472	1,124,112	35	26,492	2,147	
3 Increase in 1876.	6985	4,146	-	-	22	1,191	330	
Total	6985	4,146	-	11,131	22	1,191	330	
Decrease in 1876.	379	45,646	11,616	-	-	-	-	
Total	46,025	-	11,616	57,641	-	-	-	

N.B. The mileage of mixed trains has been divided in terms of the number of Coaching & Goods vehicles attached to a mixed train.

Passenger train miles 8835

Proportion of mixed train mileage due to Passengers 354,985

Proportion of mixed train mileage due to Goods 217,365

Proportion of mixed train mileage due to Goods 427,909

Proportion of mixed train mileage due to Goods 427,909

TABLE E.—I.

Maintenance of Way.

RAILS.

DETAILS.		Double headed double head double head <i>Double headed</i> weighing lbs. per yard.				Total.
1	Miles of rail in way, including sidings	Miles	weighing lbs. per yard.	weighing lbs. per yard.	weighing lbs. per yard.	1903.987 <i>14.4</i>
2	Average age of rails in way at the middle of the half-year	...	...	...	...	11.958
3	Rails inverted...	{ Number. Miles	...	...	...	2108
4	Proportion inverted per mile of (1) rail	...	...	...	...	7.985
5	Rails renewed...	{ Number Miles	...	...	...	0.004 234
6	Proportion renewed per mile of (1) rail	...	...	...	...	0.886 0.0004
7	Average number of tons hauled over each kind of rail in the half-year	...	...	...	...	Nil.
8	Thousands of tons hauled on an average over each kind of rail during the average age of rails in way (2)	...	...	...	...	Nil.

TABLE E.—II.

Maintenance of Way.

SLEEPERS.

DETAILS.	Wood											
	Teak						Pine					
	12' x 12' x 6'		10' x 12' x 6'		10' x 10' x 5'		10' x 12' x 6'		10' x 10' x 5'		10' x 10' x 5'	
	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.
1	Number of sleepers in way, including sidings ...											
	1127	834	15179	2185	1034	1352	1645	2518	1865	2735	215	
2	Average age of sleepers in way at the middle of the half-year ...											
	7.79	8.41	7.50	6.83	7.08	3.94	4.48	4.75	1.16	9.78		
3	Number renewed ...											
	27	...	147	48	3	57	1515	15438	---	4011		
4	Ditto per cent. of (1) ...											
	2.39	...	0.96	2.19	0.29	4.21	9.21	8.28	---	0.14		

TABLE F.—I.

Locomotive Power.

REFERENCE TO REVENUE ACCOUNT.			Passenger.	Goods.	Tank.	Total.
Table and Main- head.	Sub- head.					
		(1.—Wheels coupled Locomotives ... { 2—Weight on driving axle (3.—Total weight in steam, exclusive of tender	4 ... tons. 2475 1/2	6 baud 4 sum 985 872 tons. 1325	4 4 — — —	4 — — —
XII.	5	1.—Number of Locomotives erected and made over to Locomotive Department	2	106	20	128
	II	2.—Average number of Locomotives constantly under repairs and renewals	...	23	1 1/2	27 1/2
		3.—Number of Locomotives laid by as spare or hired out to other lines	...	...	...	...
		4.—Average number of Locomotives at work [1—(2+3)]	2	83	15 1/2	100 1/2
		5.—Train miles hauled by each class of Locomotives at work (4)	30221	965763	13110	1077.60
		6.—Average train miles hauled by each Locomotive at work (4)	15440	9444	846	10722
		Per half-year	83	64	5	59
		Per day	...	...	...	...
		7.—Weight of coal, &c., used per train mile <i>Engine</i>	...	34.77	10.66	29.61
		8.—Weight of wood used per train mile <i>Engine</i>	81.51	88.44	43.89	87.61
		9.—Average gross weight of the trains hauled by each class of Locomotives	...	...	...	*135.61
			NUMBER OF MILES PER HOUR.			
			Passenger trains.	Goods trains.	Mixed trains.	
10.—Average speed between stations			21	16	18 1/4	
11.—Average through speed			20	15	16	

4) Exclusive of Engines & Tenders but inclusion of Boilers -

TABLE II.

Traffic Expenses.

REFERENCE TO REVENUE ACCOUNTS.		1 st HALF, 1875.		1 st HALF OF 1876.		Cost per train mile.	Cost per 1,000 vehicle miles.
Table and Main- head.	Sub- head.	Total.		Total.	Increase.		
XIV. 1 ...		Train mileage (D—L 2, page 7) ...		1048124	1009094	39040	
		Coaching (M—L 9 a, page 18) ...		5223171	5528656	305785	
		Vehicle mileage... Goods (M—L 16 a, page 18) ...		1071060	9867537	849064	
		(Total) ...		1593372	1596193	57579	
		DETAILS.		1 st HALF, 1875.	1 st HALF OF 1876.		
				Total.	Total.	Increase.	Decrease.
		SALARIES, WAGES, &c.—		Rs.	Rs.	Rs.	Rs.
1 & 3		General Superintendence, including travelling allowances ...		28750	30558	1808	0.484 1.985
2 & 4		Office Establishment and Contingencies ...		27676	26083	1593	0.414 1.694
b		Station Staff ...		127908	140710	12802	2.231 9.139
c		Train ...		34444	35170	726	0.558 2.284
2 1 to 3		FUEL, LIGHTING, WATER AND GENERAL STORES ...		51491	60495	9004	0.959 3.929
3		CLOTHING ...		990	7020	6030	0.111 0.456
4		PRINTING, STATIONERY, AND TICKETS ...		21601	22305	704	0.354 1.448
5		CHARGES FOR DELIVERY AND COLLECTION OF GOODS, &c. ...		164			
6		MISCELLANEOUS EXPENSES ...				164	
		PAYMENTS TO OTHER LINES—		9009			
		Internal Vehicles ...		9009			
7		Mileage of Foreign Stock ...				89009	
		Traffic Expenses at Joint Stations ...					
8		UNCLASSIFIED EXPENDITURE					
		Total ...		302036	322879	31103	5.111 20.937
		Less ...			280		0.018
		Net Total ...		302036	322099	20054	5.111 20.919

TABLE K.

Steam Boat Service.

REFERENCE TO REVENUE ACCOUNT.		DETAILS.	HALF, 187		HALF OF 187	
Table and Main-head.	Sub-head.		Total.		Total.	Increase. Decrease.
IX (F)	1	WORKING VESSELS—				
	2	Salaries and allowances of Officers and Crews				
	3	Loading and unloading vessels				
	4	Pilotage fees				
2	1	Contingencies				
	2	Repairs—				
3	1	Wages				
	2	Materials				
	3	FUEL—				
	4	Fuelling Establishment and Fuelling vessels				
4	1	Coal				
	2	Coke				
	3	Patent fuel				
	5	Wood				
5	1	MISCELLANEOUS STORES				
	2	STEAM TRAFFIC AGENCIES				
6	1	MISCELLANEOUS EXPENDITURE				
	2	CONTRIBUTION TO FLOTILLA REVENUE				

REFERENCE TO REVENUE ACCOUNT.		DETAILS.	HALF, 187		HALF OF 187	
Table and Main-head.	Sub-head.		Total.		Total.	Increase. Decrease.
IX (G) 1	1	LAW CHARGES				
	2	COMPENSATION—				
	3	For goods lost or damaged				
	4	personal injury				
2	1	other claims				
	2	RATES AND TAXES				
	3	INTEREST ON REVENUE BALANCES				
	4	Payments to other lines				
3	1	Fire Insurance Fund				
	2	Permanent-way Renewal Fund				
	3	Casualty Fund				
	4	Rent of Station to jointly occupied				
Total			15066	23803	14427	5690
Less			174	2243	2069	
Net Total			14892	21560	6668	

TABLE L.

Special and Miscellaneous Expenditure.

REFERENCE TO REVENUE ACCOUNT.		DETAILS.	HALF, 187		HALF OF 187	
Table and Main-head.	Sub-head.		Total.		Total.	Increase. Decrease.
IX (G) 1	1	LAW CHARGES				
	2	COMPENSATION—				
	3	For goods lost or damaged				
	4	personal injury				
2	1	other claims				
	2	RATES AND TAXES				
	3	INTEREST ON REVENUE BALANCES				
	4	Payments to other lines				
3	1	Fire Insurance Fund				
	2	Permanent-way Renewal Fund				
	3	Casualty Fund				
	4	Rent of Station to jointly occupied				
Total			5272	2072		3200
Less			3579	2329		1250
Net Total			1693	743		950

* Transferred from Table K to Table L for services of steamboats. This increase is owing to the charges for mileage of foreign stock being shown in Table H in previous half year's accounts.

TABLE M.—II.

Division between Clothing and Goods of the Expenditure of Departments.

	Rs.
Maintenance expenses (Statement No. VIII. of the Revenue Account) ...	720,284
Reduced by amount credited for sale of Revenue stores (Abstract K of Revenue Account) 491 ...	32,676
Do by <i>Transfer of Drilling Houses</i> 32,185 ...	
Net Amount ...	687,608

753,843

Locomotive expenses (Statement No. VIII. of the Revenue Account)

Reduced by credit for hire of Locomotives ...	750
" " for haulage of foreign trains ...	316
" " for sale of Locomotive stores ...	1066
" " for profits of Workshops ...	
Net Amount ...	752,777

203,353

Carriage Wagon Expenses
Reduced by credit for sale of Carriage Wagon stores 18078
*Do by *Transfer of Drilling Houses* 19,853*

322,090

Traffic expenses

Do <i>Transfer of Drilling Houses</i> 19,853	38,459
Do <i>Do sale of stores</i> 1728	283,631
Net Amount	224,909

General Charges

Reduced by credit for <i>Receipts</i> 12,027	
Do <i>Do sale of stores</i> 1506	13,943
Do <i>Do sale of stores</i> 410	210,966
Net Amount	21,560

Special Miscellaneous Expenditure
Reduced by credit for undamaged & damaged goods. 252

21,308

Division of Expenses.

	Maintenance. (a)	Locomotive. (b)	Carriage and Wagon. (c)	Traffic. (d)	General. (e)	Special and Miscellaneous. (f)	Total.
Expenses as reduced above ...	Rs. 687,608	Rs. 752,777	Rs. 203,353	Rs. 283,631	Rs. 210,966	Rs. 21,308	Rs. 2,159,643
Due to coaching ...	236,841	271,407	58,981	101,850	76,062	7,682	752,823
" " to goods ...	450,767	481,370	144,372	181,781	134,904	13,626	1,406,820

RAILWAY DEPARTMENT.

CONSULTING ENGINEER'S OFFICE,

Madras, 16th January 1877.

No. 29

From

LIEUT.-COLONEL J. H. M. SHAW-STEWART, R.E.,
Consulting Engineer for Railways,

To

MAJOR-GENERAL G. W. WALKER, R.E.,
Secretary to Government,
Public Works Department,
Fort Saint George.

SIR,

I have the honour
to forward herewith, the
Review of the Revenue
Account of the Madras
Railway for the half-year
ending 30th June 1876 with
the following remarks.

2. Table G - I. An increase
is shown in the weight of
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of rolling stock, which

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is said to be the result of a general re-weighment which has lately been made. This has had the effect of reducing the percentage of freight to total weight in Table M-I.

3. Table E-II. This table has not been prepared in the revised form ordered in Government of India No. 2364 P dated 12th September 1876, as the order was not received by the Railway Authorities until after the information had been recorded in the usual manner.

4. Table A-VII. I venture to suggest for the consideration of the Government of India that a column / say so A / be inserted for the total number of vehicles in a train of each description. This information was included in the old form, and might I think be re-introduced with advantage. In order to obtain this it is necessary at present to add together the figures

figures in twelve columns.

P.W.D.

17 JAN 77

No 425

I have the honour to be
Sir

Your most obedient servant

C. Smith Major, R.E.

For Consulting Engineer for

Railways No 192 of 1877

Ordered to be forwarded

to the Government of India.

N.E. No 193 of 1877

Copy of the above for-

warded to the Govt. of India.

GC No 2881-3
28 Oct 1876 with
Rev. K. S. S. S.

C.E. for Rys.
Exc. Ry. Accts.

No. 29
1876
The Review of the Rys.
new account
of the Rys. for
the half year ending
30 June 1876.

Dated
Received

No. 29

1876

To

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

From

The Consulting Engineer
for Railways,

RAILWAY DEPARTMENT

425
Govt. of 1877 Madras.

PUBLIC WORKS.

To

The Commr. Eng^g for M^o.

Dated

Issued

Recd.

Encl.

G. O., 20th Sept 1877, No.

Nos. 3730 3731.

Review of the Revenue
Account of the Madras
Railway for the first half
of 1876. — Ordered
that the — be forwarded
to the Govt. of India

For forwarding the Review
of the Revenue Account of
the Madras Railway for
the 1st half of 1876.

But not to be

IV.—Traffic Earnings.

DESCRIPTION.	PASSENGERS OR TONS OF GOOD CARRIED.		EARNINGS.		Percentage of total earnings contributed by each description of traffic.				
	Number.	Per cent. of total number and total tonnage.	Amount.	Per cent. of total earnings from coaching and from goods.					
Coaching (Revenue Account, Abstract H).	Passengers	1st Class 2nd " 3rd " 4th "	7600 1/2 25728 1/2 897056 1/2 479544 1/2	0.539 1.825 63.624 34.012	78436 87685 759676 203374	6.142 6.867 59.492 15.927	41.36		
	Miscellaneous		NH	NH	147776	11.572			
	Total		1409933	100	1276947	100			
	Less outstanding irrecoverable		NH	NH		NH			
	Net Total		NH		1276947	NH			
	General merchandise	Special	1st Class 2nd " 3rd " 4th " 5th "	127735 74489 24450 14461 3188	51.480 30.020 9.854 5.828 1.285	394293 650842 373590 405260 73738		23.089 38.711 15.961 12.019 4.318	55.31
		Military Stores		1513	0.610	38021		2.226	
		Railway Materials		1850	0.746	56518		3.310	
		Minerals		339	0.136	2214		0.130	
		Miscellaneous		103	0.041	709		0.042	
Total			NH	NH	13563	0.794			
Less outstanding irrecoverable			248126	100	1707748	100			
Net Total			NH	NH	1707748	NH			
Sundries, including Electric Telegraph			NH	NH	102702	NH			
Steam boat traffic			NH	NH	3087397	NH			
Total, including steam boat		NH	NH	3087397	NH				
Total Railway earnings			NH	9087397	NH	3.327			
Total, including steam boat			NH	3087397	NH	NH			

[4]
TABLE B.

Statement showing in comparison the Coaching Traffic of the half-years ending
30th June 1875, and 30th June 1876.

REFERENCE TO REVENUE ACCOUNT.		DETAILS.		NUMBER.		AVERAGE FARE PER UNIT PER MILE.		RECEIPTS.		AVERAGE MILEAGE.		TOTAL UNIT MILEAGE.	
Table and Main-head.	Sub-head.			1 st Half 1875.	2 nd Half 1876.	1 st Half 1875.	2 nd Half 1876.	1 st Half 1875.	2 nd Half 1876.	1 st Half 1875.	2 nd Half 1876.	1 st Half 1875.	2 nd Half 1876.
X (H.) 1	1 ST CLASS PASSENGERS—	Single journey	...	3489 1/4	3501	14.47	14.50	45526	51771	173.17	195.07	604259	682955
	Excess fares	...	...	2936	3176	9.49	9.59	306	494	134.71	136.95	5376	9405
	Return journey	...	...	29117	12662	16.86	17.16	19554	21734	290.37	346.11	33962	42783
	Troops and Police	...	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	6542 1/2	6803 1/2	12.63	12.77	68333	77911	158.82	172.13	1039102	1171103
	Season Ticket passengers—	...	...	800	800	0.84	0.65	635	525	181.22	193.05	144,993	154,440
	2 ND CLASS—	Single journey	...	19197	17240 1/2	5.58	6.03	43181	45293	77.72	63.61	149948	144173
	Excess fares	...	...	3822 1/2	4319	4.59	4.71	339	479	147.83	152.03	56572	682548
	Return journey	...	...	3167 1/2	3049	3.77	4.67	14170	24702	228.00	319.41	72290	923874
	Troops and Police	...	...	...	...	...	...	...	...	...	...	...	...
Total	...	...	26186 1/2	24608 1/2	4.88	5.36	71195	8226	106.94	126.95	280009	3123931	
Season Ticket passengers—	...	...	960	1120	0.50	0.48	459	459	182.08	163.82	172800	183510	
3 RD CLASS—	Single journey	...	...	88322	72257 1/2	3.77	3.77	19908	19901	49.37	57.01	122444	122444
Excess fares	...	...	...	8020 1/2	71631	2.00	2.04	36257	28106	32.92	34.49	122444	122444
Return journey	...	...	...	14896 1/2	13910	3.24	3.34	45266	43125	180.88	178.56	199458	2168814
Troops and Police	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	...	...	...	986110 1/2	896796 1/2	3.03	3.14	77777	79666	49.99	57.85	1229778	1469922
Season Ticket passengers—	...	...	...	280	280	0.32	---	70	---	---	---	---	---
4 TH CLASS—	Single journey	...	...	41534 1/2	47954 1/2	2.02	2.02	168859	20928	38.61	40.24	160411	1925585
Excess fares	...	...	...	NI	NI	NI	NI	---	---	---	---	---	---
Return journey	...	...	...	NI	NI	NI	NI	---	---	---	---	---	---
Troops and Police	...	...	...	...	...	...	...	---	---	---	---	---	---
Total	...	...	...	41534 1/2	47954 1/2	2.02	2.02	168859	20928	38.61	40.24	160411	1925585
Season Ticket passengers—	...	...	...	---	---	---	---	---	---	---	---	---	---
TOTAL—	Single journey	...	...	1231040	1201521 1/4	NI	NI	956652	987924	66.58	47.77	166859	62905393
Excess fares	...	...	...	NI	NI	NI	NI	33552	4074	NI	NI	22386	252569
Return journey	...	...	...	949660	79126	NI	NI	63316	64693	40.69	45.34	366553	3507881
Troops and Police	...	...	...	18181	17005	NI	NI	62584	71738	189.80	204919	250708	3501481
Season Ticket passengers—	...	...	...	---	---	---	---	---	---	---	---	---	---
TOTAL	...	...	...	1434181	1407733	NI	NI	1086104	1128117	482.32	498.69	79147304	319793
Season Ticket passengers—	...	...	...	1760	2200	NI	NI	1094	1054	181.70	172417	319793	379318
PASSENGERS' LUGGAGE	...	...	...	...	...	...	...	...	...	...	...	...	...
MILITARY BAGGAGE	...	...	...	...	...	...	...	...	...	...	...	...	...
1	Public	Carriages	...	413	410	25.89	25.95	12159	12924	NI	NI	90171	95633
2	Horses	...	...	1567	1696	14.68	13.98	25746	31349	NI	NI	36693	430478
3	Dogs, &c.	...	...	1648	1644	1.60	1.58	2256	2466	NI	NI	270674	299017
4	Carriages	...	...	56	60	18.31	25.86	80	87	NI	NI	14702	21145
5	Military Horses	...	...	104	153	16.39	14.81	1255	1631	NI	NI	37302	52763
6	Dogs, &c.	...	...	NI	NI	0.31	0.34	60	90	NI	NI	---	---
PARCELS	...	...	...	...	...	...	...	...	...	...	...	...	...
7	SPECIAL TRAINS	...	...	178013	173547	55.57	52.26	51525	52650	NI	NI	---	---
8	MISCELLANEOUS	...	...	4254	1703	NI	NI	26569	11468	NI	NI	---	---
9	Post Office—	...	...	NI	NI	NI	NI	505	720	NI	NI	---	---
1	Haulage and hire of Post Office vehicles	...	...	NI	NI	---	---	---	---	---	---	---	---
2	Special Trains	...	...	...	...	---	---	---	---	---	---	---	---
3	Parcels	...	...	...	...	---	---	---	---	---	---	---	---
Less outstandings irrecoverable				...	...	...	...	...	...	...	...	...	...
NET TOTAL				1238350	1276947	---	---	---	---	---	---	---	---

*The assumed weight for Post Office vehicles has been taken as 4.50 of a ton for this half-year.

TABLE C.—I.

Comparative Statement showing the weight and earnings of the principal commodities carried during the half-years ending *30th June* 1875 and *30th June* 1876

DESCRIPTION.	QUANTITY.		RECEIPTS.		Increase in quantity.	Decrease in quantity.	Increase in receipts.	Decrease in receipts.
	1 st Half, 1875.	1 st Half, 1876.	1 st Half, 1875.	1 st Half, 1876.				
<i>Baggage (Military)</i>								
<i>Ballast and Stones</i>								
<i>Bamboo</i>	Tons, 75	Tons, 109	Rs. 2750	Rs. 4733	34	-	1983	-
<i>Beer</i>	875	735	3182	3329	-	150	147	-
<i>Bottle Bricks</i>	2496	1946	10919	9466	-	550	-	1453
<i>Brass and Copper</i>	269	252	4897	4752	-	17	3158	-
<i>Charcoal, Coke, and Coal</i>	2442	2750	27322	30480	308	66	1638	-
<i>Chillico</i>	457	523	5511	7149	-	-	1180	-
<i>Chinaman and Chinese</i>	217	431	804	1984	214	-	-	25564
<i>Cloths and Dress Goods</i>	3692	1893	41415	75851	-	-	3153	697
<i>Corn and</i>	670	360	1603	906	-	-	3729	-
<i>Cornmeal</i>	2738	2830	53643	56796	92	-	662	1158
<i>Cotton</i>	1290	1716	11545	15274	426	-	3729	-
<i>Coffee</i>	4458	4758	57005	55847	300	1	662	1158
<i>Commodities</i>	38	39	2424	3086	-	-	662	-
<i>Commisariat—Stones</i>	1489	1194	33074	28329	-	295	6744	4745
<i>Cotton, Rope</i>	2116	1646	12038	18782	-	470	-	-
<i>Do. a. piece</i>								
<i>Do. B.</i>	47	3	732	78	-	44	-	654
<i>Do. C.</i>	2083	1218	35098	24777	-	865	-	10321
<i>Do. D.</i>	7080	6143	116944	103152	-	937	-	13792
<i>Eye or Redwood</i>	1281	448	6674	2435	-	833	-	4239
<i>Flour</i>	5677	5419	16478	16637	-	258	159	1492
<i>Fruits and Vegetables</i>	2540	2397	23090	21598	-	143	-	-
<i>Gunpowder</i>	231	267	5849	7489	36	-	1240	-
<i>Iron</i>	620	663	7513	9070	-	17	57	17349
<i>Ironment—Staple Stones</i>	570	-	17349	-	-	570	-	-
<i>Iron</i>	13327	15252	99746	110355	1925	-	10509	-
<i>Iron</i>	3538	4206	20784	33806	1668	-	13023	-
<i>Ground nuts</i>	468	1608	2500	2987	140	-	487	6169
<i>Guano</i>	2497	1890	26479	20310	66965	607	21011	-
<i>Guano—Staple</i>	36	66965	111	21924	-	22	13	119
<i>Guano</i>	476	628	8745	8596	152	-	-	-
<i>Guano—Staple</i>	4734	5356	54823	66563	622	-	11740	18278
<i>Guano</i>	4394	3025	36592	18314	50	1369	1070	-
<i>Guano</i>	590	640	12020	13090	84	-	1367	-
<i>Guano</i>	3293	3377	24894	26261	91	-	5316	-
<i>Guano</i>	455	526	18140	23456	-	-	-	-
<i>Guano</i>	3405	1336	23521	4025	-	2069	-	19496
<i>Guano</i>	158	146	2215	1729	-	12	-	4862
<i>Guano</i>	848	1251	7455	10999	403	-	3544	-
<i>Guano</i>	4084	4729	27765	16606	999	-	11226	-
<i>Guano</i>	38826	22778	330383	125451	-	2335	-	204933
<i>Guano</i>	22371	23095	157118	125451	724	-	20036	-
<i>Guano</i>	829	6010	7305	4850	-	248	-	2455
<i>Guano</i>	248	226	2968	2482	-	32	-	4861
<i>Guano</i>	7689	9098	53748	74550	1409	-	20802	-
<i>Guano</i>	4181	6790	60098	119180	2609	-	53082	-
<i>Guano</i>	2571	2068	21911	17411	-	503	-	45094
<i>Guano</i>	16916	7317	205920	19637	-	-	-	96538
<i>Guano</i>	3869	5219	28673	28215	1350	-	4542	-
<i>Guano</i>	9597	8031	58613	48610	-	1566	-	100031
<i>Guano</i>	3020	3300	16322	18622	280	-	2300	-
<i>Guano</i>	1993	2346	33427	38248	353	-	5421	-
<i>Guano</i>	1409	1271	26097	25122	-	188	-	975
<i>Guano</i>	199333	247788	1863053	1691970	40455	-	-	171082

TABLE E.

Maintenance of Way, Works, and Stations.

REFERENCE TO REVENUE ACCOUNT.	Table and Main head.	Sub- head.		1 st HALF, 1875		2 nd HALF OF 1876		Per mile of line maintained	Per mile of track, including sidings.	Per train mile.	Per 1,000 ton miles.
				Total.	Total.	Increase.	Decrease.				
IX (A.)	...	...	Mileage of line maintained (D-3, page 7) ...	834250	858098	23848	- - -				
			Mileage of single track, including sidings (D-5, page 7) ...	924700	952559	27859	- - -				
			Train mileage (D-1, 2, page 7) ...	1048134	1009094	- - -	39040				
			Ton mileage (M-1, column 27 i) ...	9690964	10640457	- - -	1058394				
XIV. (I.)	...	...									
DETAILS.				1 st HALF, 1875	2 nd HALF OF 1876			Per mile of line maintained	Per mile of track, including sidings.	Per train mile.	Per 1,000 ton miles.
				Total.	Total.	Increase.	Decrease.				
3	IX (A.)	...	GENERAL SUPERINTENDENCE—								
		1 & 2	Engineers' salaries and allowances ...	72587	81554	8967	- - -	95040	85616	1.293	4.38
		3 to 5	Subordinate Superintendents' salaries and allowances, including overtime ...	24847	28961	4114	- - -	33750	30403	0.459	0.155
			Office expenses ...	3506	27065	- - -	445	31521	28412	0.439	0.145
			MAINTENANCE AND RENEWAL OF PERMANENT- WAY—								
		1	Wages ...	156533	197454	40921	- - -	230107	207282	3.131	1.059
		2	Materials ...	147217	131513	- - -	15704	153261	138063	2.085	0.706
			REPAIRS OF BRIDGES, &c.—WAGES AND MA- TERIALS—								
		1	Bridges and Tunnels ...	307179	118281	- - -	188898	137841	124172	1.876	0.635
		2	Miscellaneous ...	56764	66252	9488	- - -	77208	69552	1.051	0.355
			REPAIRS OF STATIONS AND BUILDINGS—WAGES AND MATERIALS—								
		1	Repairs of all except Staff quarters ...	30919	40496	9577	- - -	47193	42513	0.642	0.217
		2	" of Staff quarters ...	12875	12864	- - -	11	14991	13505	0.204	0.069
			MAINTENANCE BY CONTRACT—								
		1	Amount paid to Contractors ...	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -
		2	Materials supplied by the Company ...	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -
			UNCLASSIFIED EXPENDITURE—								
		1	Plantations ...	16807	12114	- - -	4693	14117	12717	0.192	0.065
		2	Tools and Plant ...	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -
		3	Loss on Stores, &c. ...	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -
			Total ...	853234	720284	76797	120947	839396	756157	11.421	3.864
			Less ...	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -
			Net Total ...	853234	720284	132950	839396	756157	11.421	3.864	

If DONE DEPARTMENTALLY.

Locomotive Department Expenses

REFERENCE TO REVENUE ACCOUNT				1 st HALF, 1875		1 st HALF OF 1876					
Table and Main-head	Sub- head.			Total.	Total.	Increase.	Decrease.				
XIV-1	...	Train mileage (D-I, 2, page 7).	...	104,813.4	100,909.4	-	3,904.0				
		Ton mileage (M-L, column 27, L, page 18)	...	99,960.96	186,404.57		105,563.94				
		DETAILS.		1 st HALF, 1875	1 st HALF OF 1876			Per train mile.	Per 1,000 ton miles.		
				Total.	Total.	Increase.	Decrease.				
5	3	GENERAL SUPERINTENDENCE—		Rs. 5-	Rs. 5-	Rs. 1	Rs. 5-	As. 3	Rs. 4		
	1 and 2	Salaries of Superintendents and Assistants, including allowances ...	...	19,315	10,604	-	8,711	0.168	0.057		
	3 to 5	Title of Subordinate ditto, including ditto ...	...	30,632	31,867	1,235		0.505	0.171		
	6	Office expenses	...	16,617	16,422	-	195	0.260	0.088		
	1 and 2	RUNNING EXPENSES—		88,638	90,339	1,701		1.432	0.485		
		Wages of Drivers and Firemen, including overtime ...	...	45,926	44,118	1,808					
	4	FUEL—		257	-	-	257	-	-		
	1	Coal	...	1,88,649	1,90,486	1,837	-	3.020	1.022		
	2	Coke	...	6,283	6,528	245	-	0.104	0.035		
	3	Patent fuel	...	11,977	15,28	-	10,449	0.024	0.008		
	4	Wood	...	14,604	13,869	-	7345	2.199	0.744		
		Water—including wages and stores)	...	13,032	12,483	-	549	0.198	0.067		
		OIL, TALLOW, AND OTHER STORES.	...	13,580	12,235	-	1,345	0.194	0.066		
		MAINTENANCE AND REPAIRS—		80,572	97,396	16,824	-	1.544	0.522		
		Wages, including overtime	...	90,551	1,28,454	37,903	-	2.037	0.689		
		Materials	...	-	164	164	-	0.003	0.001		
		PAYMENTS TO OTHER LINES—	...	-	-	-	-	-	-		
		UNCLASSIFIED EXPENDITURE—	...	-	-	-	-	-	-		
		Total	...	721,543	753,843	61,151	28,851	11.952	4.044		
		Less ...	...								
		Net Total	...	721,543	753,843	32,300	-	11.952	4.044		
FUEL CONSUMED (FROM ABSTRACT D-O, REVENUE ACCOUNT)											
				Average consumption per train mile.		Average consumption per 1,000 ton miles.					
				Coal.	Coke.	Patent fuel.	Wood.	Coal, coke and patent fuel.	Wood.	Coal, coke and patent fuel.	Wood.
				Tons.	Tons.	Tons.	Tons.	Lbs.	Lbs.	Lbs.	Lbs.
				5896	184	499	32599	14,06	69,67	74,082	370,74
				7620	218	59	30960	17,530	68,2594	90	372.04
				1724	34	-	-	3,470	-	20.08	1.30
				-	-	440	1639	-	-	0.945	-
Quantity consumed during the 1 st half of 1875				of 1876							
Increase in 1876				Decrease in 1876							
Decrease in 1876				...							

TABLE G.

Carriage and Wagon Expenses.

REFERENCE TO REVENUE ACCOUNT.			1 st HALF OF 1876.			
Table and Main- head.	Sub- head.		Total.	Total.	Increase.	Decrease.
XIV-1	...	Train mileage (D-1, 2, page 7) ...	1048134	1009194	- - -	39040
		Coaching (M-1, 3, 2, page 18) ...	522317	552865	305485	- - -
		Vehicle mileage. { Goods (M-1, 16, 2, page 18) ...	1071060	1986753	- - -	843064
		Total ...	1593372	15396193	- - -	537579
DETAILS.			1 st HALF, 1875.	1 st HALF OF 1876.		
			Total.	Total.	Increase.	Decrease.
			Rs.	Rs.	Rs.	Rs.
GENERAL SUPERINTENDENCE—						
1 and 2		Salaries of Superintendents, including allowances ...	2600	2544	- - -	56
IX (e)-1	340 5	Ditto of Subordinate ditto, including ditto ...	4446	7635	3189	- - -
6		Office expenses ...	2400	3961	1561	- - -
REPAIRS AND RENEWALS OF VEHICLES AND MACHINERY—						
1 to 3		Coaching vehicles. { Wages, including overtime ...	11087	12955	1868	- - -
		Materials ...	16332	24434	8102	- - -
		Wages, including overtime ...	21529	32833	11304	- - -
1 to 3		Goods vehicles. { Materials ...	26531	73001	46470	- - -
CLEANING AND OILING—						
1		Labor, including wages of oilers, &c. ...	7645	8564	919	- - -
2		Stores ...	17508	15101	- - -	2407
UNCLASSIFIED EXPENDITURE						
		Less ...				
		Total ...	110078203353	95738	2463	3.224
		Net Total ...	110078203353	93275		3.224

(a) per 1000 Coaching Vehicle miles
(b) per 1000 Goods — do

TABLE G.—II.

Distribution of Vehicle Mileage according to the Traffic carried.

Description of Vehicles.	Mileage run.	REMARKS.
<i>Coaching—</i>		
First-class	704,875	
Second "	972,335	
Third "	218,612	
Fourth "	67,648	
Carriage trucks	145,777	
Horse boxes	355,500	
Luggage vans	305,495	
Post Office vehicles	182,472	
Total (paying vehicle mileage)	552,865	
Passenger brake-vans	313,910	
Total, including brakes	584,256	Includes 328,063 miles of empty vehicles
<i>Goods—</i>		
Goods vehicles	974,835	
Cattle vans	119,181	
Mineral trucks	—	
Total (paying vehicle mileage)	986,753	
Goods brake-vans	528,163	
Total, including brakes	1,039,579	Includes 178,148 miles of empty vehicles
<i>Miscellaneous—</i>		
(For stores and materials carried free on Revenue Account.)		
For Locomotive Department (in entire train loads)	157,556	760,258
" Engineering "	218,336	145,364
" Stores carried free in ordinary Traffic trains	30,239	6576
Brake-vans	—	Nil
Total, including brakes	406,131	2,220,483
Grand Total	1,664,439	

TABLE J.

General Charges.

REFERENCE TO REVENUE ACCOUNT.			DETAILS.	1 st HALF, 1875-					1 st HALF OF 1876				
Table and Main- head.	Sub- head.	Total.		Total.	Increase.	Decrease.	Cost per train mile.						
XIV.1	...	TRAIN MILEAGE (D.L. & WEST)	...	...	...	...	...	...	...	...	...		
IX. (E.) 1	1 to 4	HOME EXPENDITURE	...	...	...	...	...	...	...	...	...		
		INDIAN MANAGEMENT	...	...	...	...	...	...	...	...	...		
		Agent's Office, including travelling allowances and contingencies	...	...	...	...	...	...	...	...	...		
		Auditor's Office	...	...	...	...	...	...	...	...	...		
		Account's Office	...	...	...	...	...	...	...	...	...		
		Paymaster's Office	...	...	...	...	...	...	...	...	...		
		Store Department	...	...	...	...	...	...	...	...	...		
		Medical Department	...	...	...	...	...	...	...	...	...		
		Rents	...	...	...	...	...	...	...	...	...		
		Miscellaneous expenses, including Printing and Stationery and Medicine	...	...	...	...	...	...	...	...	...		
3	1 to 3	Police	...	...	...	...	...	...	...	...			
		ADVERTISING	...	...	...	...	...	...	...	...			
		ELECTRIC TELEGRAPH	...	...	...	...	...	...	...	...			
		Salaries, &c.	...	...	...	...	...	...	...	...			
		Maintenance (Wages and Stores)	...	...	...	...	...	...	...	...			
6	...	Government Telegraph Department for Rent, Maintenance, and Inspection	...	...	...	...	...	...	...	...			
		CLEARING ACCOUNTS WITH OTHER LINES	...	...	...	...	...	...	...	...			
		UNCLASSIFIED EXPENDITURE	...	...	...	...	...	...	...	...			
7	...	Less	...	...	...	...	...	...	...	...			
		Total	...	...	...	...	...	...	...	...			
Net Total				...	...	...	...	...	...	...			

ANALYSIS OF CARRYING COST.

TABLE M.—I.

Definitions.

The unit of passenger traffic

is 1 passenger, plus free luggage.

" of carriages

is 1 carriage.

" of horses

is 1 horse.

" of luggage

is 1 ton.

" of Post Office vehicles

is 1 "

" of goods

is 1 "

" of cattle

is 1 "

Approximate weight of units to be adopted in these calculations—

Coaching—

Cwt. Tons.

A 1st class passenger

with free luggage...

A 2nd class do. do.

A 3rd class do. do.

A 4th class do. do.

A carriage (average for

two and four-wheeled)

6-75 or -3375

Coaching contd.—Cwt. Tons.

A horse

A dog

Goods—

A head of horned cattle

or a pony or horse, 5-00 or -25

A head of sheep,

goat, &c.

... 0-50 or -025

A head of sheep,

goat, &c.

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" of cattle

is 1 "

" of goods

is 1 "

" of Post Office vehicles

is 1 "

" of luggage

is 1 ton.

" of horses

is 1 horse.

" of carriages

is 1 carriage.

The unit of passenger traffic

is 1 passenger, plus free luggage.

Data for calculating the incidence of carrying cost per unit per mile for each class of

Passenger Traffic, and for Goods, Cattle, and Minerals.

DETAILS.	Total Mileage of each description of rolling stock.	Total mileage of units.	AVERAGE CONTENTS IN UNITS OF EACH VEHICLE.		Average weight of rolling stock in Tons.	Total average weight, inclu- ding contents of each vehicle in Tons.	Propor- tion per cent. of freight to total weight.	TON MILEAGE		TOTAL TON MILEAGE.	
			No.	Weight in Tons				of freight.	of dead weight.	Excluding engines and tenders and brake-vans	Including engines and tenders and brake-vans
3 COACHING—	7	5	1	1	1	1	1	1	1	1	1
1 1st class	704,875	132,554.3	1.881	0.165	8.065	8.210	2.005	115,985	568,515.5	580,117.0	Nil
2 2nd "	822,225	130,244.1	3.402	0.295	7.122	5.210	3.645	289,401	170,259.0	799,622.5	Nil
4 4th " ...	67,608.2	193,548.8	28.625	1.789	6.050	7.839	12.822	120,953.4	4,090.497	5,299.831	Nil
5 Carriage trucks	14,577.7	9,527.9	0.666	0.223	5.592	5.573	5.542	32,494	77,151.3	80,509.1	Nil
6 Horse-boxes	3,555.0	4,516.3	1.009	0.441	7.378	7.816	5.642	197,585	202,181.2	281,939.7	Nil
7 Luggage vans	305,495	351,879	1.152	7.094	5.246	4.499	3,619.9	2,467.122	6,539.046	13,963.86	Nil
8 Post Office vehicles	182,472	Nil	0.450	7.093	7.548	5.966	82,112	129,427.4	13,963.86	Nil	Nil
9 Total	5528,656	Nil	Nil	Nil	Nil	Nil	518,780.8	389,797.03	44,167.591	Nil	Nil
10 Passenger engines and tenders	363,820	Nil	Nil	4.186	Nil	Nil	Nil	1,522,052	Nil	Nil	Nil
11 " Brake-vans	318,910	Nil	Nil	7.286	Nil	Nil	Nil	228,714.9	Nil	Nil	Nil
12 Total coaching, ton mileage	Nil	Nil	Nil	Nil	Nil	Nil	518,780.8	564,989.84	Nil	61,686.792	Nil
13 Goods—											
13 Goods vehicles	974,835	493,486.2	Nil	3.011	5.726	8.737	34.463	994,896.2	55,819.978	831,680.40	Nil
14 Cattle vans	119,181	81,077	Nil	0.680	6.450	7.130	9.537	81,077	76,871.7	849,794	Nil
15 Mineral trucks	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
16 Total	986,757	Nil	Nil	Nil	Nil	Nil	294,300.39	565,871.795	86,017.834	Nil	Nil
17 Goods engines and tenders	64,527.4	Nil	Nil	4.186	Nil	Nil	Nil	2,701,568.8	Nil	Nil	Nil
18 " Brake-vans	52,816.5	Nil	Nil	8.277	Nil	Nil	Nil	4,371,606	Nil	Nil	Nil
19 Total goods, ton mileage	Nil	Nil	Nil	Nil	Nil	Nil	294,300.09	879,750.89	Nil	117,405.148	Nil
20 MISCELLANEOUS (FOR STORES CAR- RIED FREE ON REVENUE ACCOUNT) Per Traffic Dept. For Locomotive Department.	30,239	6,576	Nil	0.217	6.786	7.003	3.099	6,576	205,202	211,778	Nil
21 " Maintenance	157,556	76,025.8	Nil	4.825	5.716	0.541	45.774	76,025.8	90,059.0	1,660,848	Nil
22 Total	218,336	145,364.9	Nil	6.658	5.795	6.114	23.633	145,364.9	125,674.2	271,039.1	Nil
23 Engines and tenders	68,508	Nil	Nil	Nil	Nil	Nil	Nil	2,220,483	23,296.633	Nil	Nil
24 Brake-vans	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
25 For stores carried free in ordinary trains	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
26 Total Miscellaneous, ton mileage	Nil	Nil	Nil	Nil	Nil	Nil	Nil	222,048.3	509,216.7	731,265.0	Nil
27 Total ton mileage	Nil	Nil	Nil	Nil	Nil	Nil	Nil	10,638,330	19,566,210	18,640,450	Nil

Col (6) 7. 4th ton mileage of "Post Office" vehicles
* Returned freight

Dep't. L. O. 9720-Post/17 Rs. 192-193

[20]

TABLE M.—III.

Distributed cost of carrying the vehicles of each class, including freight.

COACHING.														GOODS.	
DETAILS.															
	First class.	Second class.	Third class.	Fourth class.	Carriage trucks.	Horse boxes.	Luggage vans.	Post Office vehicles.	Total.	Goods vehicles.	Cattle vans.	Mineral trucks.	Total.		
Maintenance ...	(a) Rs. 31168	Rs. 42855	Rs. 94140	Rs. 28419	Rs. 4311	Rs. 15119	Rs. 13508	Rs. 7381	Rs. 236841	Rs. 446314	Rs. 44553	-	Rs. 450767		
Locomotive ...	(b) 356484	9110	107879	32567	4941	17325	15479	8458	271407	476614	4756	-	484370		
Carriage and Wagon ...	(c) 7520	10373	23322	7213	1555	3792	3259	1947	58981	14028	1744	-	144372		
Traffic ...	(d) 12985	17912	40273	12455	2686	6549	5628	3362	101850	179535	2196	-	181781		
General ...	(e) 9698	13377	30096	9301	2006	4891	4203	4510	76062	133275	1629	-	134904		
Special and Miscellaneous ...	(f) 979	1351	2008	939	203	494	424	254	7682	13461	165	-	13626		

TABLE M.—IV.

Classified cost of working over one mile a vehicle, including its freight; also total cost of carrying over one mile a unit of each description of traffic.

DETAILS.	COACHING.							GOODS.			
	First class.	Second class.	Third class.	Fourth class.	Carriage trucks.	Horse boxes.	Luggage vans.	Post Office vehicles.	Goods vehicles.	Cattle vans.	Mineral trucks.
Maintenance ...	Pies. 3.41	Pies. 4.62	Pies. 8.23	Pies. 9.24	Pies. 6.508	Pies. 9.357	Pies. 9.128	Pies. 8.900	Pies. 9.307	Pies. 7.462	Pies. 1.14
Locomotive ...	9.710	9.097	9.445	9.249	2.048	2.048	2.048	2.048	2.809	2.810	-
Carriage and Wagon ...	2.048	2.048	2.048	2.048	2.048	2.048	2.048	2.048	2.642	2.642	-
Traffic ...	3.537	3.537	3.537	3.537	3.537	3.537	3.537	3.537	3.537	3.538	-
General ...	2.642	2.642	2.642	2.642	2.642	2.642	2.642	2.642	2.642	2.625	-
Special and Miscellaneous ...	0.267	0.267	0.267	0.267	0.267	0.267	0.267	0.267	0.267	0.265	-
Total ...	26.678	26.653	26.237	25.814	20.680	20.016	20.712	20.161	27.413	24.073	-
Cost per unit ...	14.183	7.835	1.232	0.902	31.333	25.784	23.187	55.915	9.104	35.401	-

TABLE M.—V.

Statement showing in comparison the receipts and the carrying cost per vehicle per mile and per unit per mile of Coaching and Merchandize Traffic.

DETAILS.	Average receipt per vehicle per mile.	Carrying cost per vehicle per mile.	Profit per vehicle per mile.	Loss per vehicle per mile.	Average receipt per unit per mile.	Carrying cost per unit per mile.	Profit per unit per mile.	Loss per unit per mile.	Proportion per cent. of profits to receipts.
COACHING—	Pies.	Pies.	Pies.	Pies.	Pies.	Pies.	Pies.	Pies.	Pies.
1st class ...	21.365	26.678	-	5.313	11.361	14.183	-	2.822	-
2nd " ...	17.315	26.653	-	9.338	5.090	7.835	-	2.745	-
3rd " ...	66.720	26.237	40.483	-	3.134	1.232	1.902	-	60.689
4th " ...	57.756	25.814	31.942	-	2.018	0.902	1.116	-	55.302
Carriages ...	17.107	20.680	-	3.573	25.947	31.333	-	5.386	-
Horses ...	17.812	26.016	-	8.204	14.021	25.784	-	11.763	-
Luggage, including parcels and dogs ...	55.776	26.712	29.064	-	43.444	43.157	25.287	-	52.117
Post Office vehicles ...	1.105	25.161	-	24.056	-	55.913	-	-	-
Goods—	Pies.	Pies.	Pies.	Pies.	Pies.	Pies.	Pies.	Pies.	Pies.
Merchandize, including Government stores and Railway materials ...	33.368	27.413	5.955	-	11.083	9.104	1.979	-	17.856
Cattle ...	16.808	24.073	-	7.265	34.707	35.401	-	10.694	-
Minerals ...	-	-	-	-	-	-	-	-	-

Madras, 22 December 1876.

Attest: [Signature]