

(1) Number of pages_____

(2) Date of repair_____

(3) Initials of the Referencer_____

MADRAS RECORD OFFICE

Government of Madras

Public Works

DEPARTMENT

G.O. No.	1866	Press	<i>Original</i>
B.P. No.		Mis:	
Dated	24. 7.	195	1876

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
24th July 1876. No. 1,866.*

No. 387. Read the following letter from W. C. FURNIVALL, Esq., Under Secretary to the Government of India, Public Works Department (Railways), to Major-General G. W. WALKER, R.E., Secretary to the Government of Madras, Public Works Department (Railway), dated Simla, 14th July 1876, No. 1,807 R. :—

I AM directed to acknowledge the receipt of your letter, No. 1,341, of the 30th May 1876, and, in reply, to convey the sanction of the Government of India to the two indents, aggregating Rupees 4,74,281, received therewith, chargeable to Suspense Account—Stores, of the cost of obtaining from England wrought-iron rails for renewals of 25 miles of line on the Madras Railway, and for 60,000 cast iron pot-sleepers and 20,000 wrought iron tie-bars.

2. This sanction has been registered as No. 5 M. R. of 1876-77, and the indents are herewith returned.

No. 388. ORDER THEREON, 24th July 1876, No. 1,866.

RAILWAY, No. 40.

COMMUNICATED to the Consulting Engineer for Railways with reference to G.O., No. 1,340, dated 30th May 1876.

2. The sanction accorded by the Government of India has been registered as Railway No. 5 W. of 1876-77.

(True Extract.)

Colonel,
Offg. Under Secy. to Govt., P.W.D.

To the Consulting Engineer for Railways.
„ Examiner of Railway Accounts.

Exd. J. W. Fischer.

Spare Copies

Nos. 6—7 A—I.

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.

ACCOUNT.

Irrigation.

Fort William, January 11, 1876.

Assimilation of system of Public Works Accounts in Madras and Bombay with that of the rest of India, and preparation of Capital and Revenue Accounts of Irrigation Works.

Read again the following papers :—

Public Works Department letter to Secretary to Government of Madras, No. 394 A—G, dated 1st July 1875.

Public Works Department letter to Secretary to Government of Bombay, No. 395 A—G, dated 1st July 1875.

Despatch to Secretary of State, No. 70 P W, dated 1st July 1875.

Read also the following :—

No. 67, dated 11th November 1875.

From—The Secretary of State for India,

To—The Government of India.

I have received your Excellency's letter No. 70 of the 1st July last, reporting that the systems of Public Works Accounts obtaining in the Madras and Bombay Presidencies have been assimilated to that in force under the Government of India. This arrangement is one of much importance in relation to the proper administration of the Public Works Department, and especially to that part of it which relates to the record of the financial results of works carried out with borrowed capital.

2. It is a matter of much satisfaction to me that these arrangements have been completed with the concurrence of the Madras and Bombay Governments.

3. The preparation of satisfactory accounts of all irrigation works, similar in form to those kept of the canals in the North Western Provinces and the Punjab, is manifestly very desirable, and it is, therefore, of the first importance that a correct annual statement of all irrigation works should be available, prepared upon one uniform system for the whole of India, and I desire that, if it be practicable, such an account should be sent to me in time for presentation to Parliament next session.

4. It can, perhaps, hardly be expected that the first returns upon any approved system submitted for Madras and Bombay should be perfect, but it is more important that the accounts should be rendered promptly and regularly, in a fairly correct manner, than that no accounts should be submitted at all. In view to this end, further prolonged discussions regarding details should be avoided. Difficulties may, no doubt, arise in particular cases, which will, perhaps, require a somewhat arbitrary treatment, as, for instance, where there is no distinction made, in assessing or collecting the land revenue, between the shares

3

C. H. DICKENS, Colonel, R. A.,
Secy. to the Govt. of India.

The accompanying revised disposals have been drafted in accordance with the views expressed on the original draft by the Honorable Mr. Ellis. The latter is, it is believed, in accordance with the facts as elicited by the discussions which took place at the conference, and since Mr. Wilson went to the Kotna and commenced his investigations information has been received privately that the difficulties in the way of ascertaining, in the manner desired by the Government of India, the revenue due to irrigation are even greater than had been supposed.

May 16/2

I prefer Col. Mullen's cup and
 think no fatter, and giving a
 better idea of the distinction
 of competition with the same
 female. Had we had the same
 as I think we should have had
 a better result.

11/5332

4

The Secretary to the Govt. of India
Public Works Department
(Irrigation Branch)

Sir,

With reference to the order
N. 6-7 A. S. dated 11th January
1876, of the Govt. of India,
I am directed to state that
no date can be fixed for the
submission of a report on
the financial results of
irrigation works in this Presi-
dency, and to add that it is
certain that a considerable
time must elapse before
those results, for even a few
of the more important
works, can be laid before the
Government of India.

2. A conference has
been held under the orders
marginally noted, at which
the

N. 32518 13th November/75.

24/2

the Board of Revenue, the
Chief Engineer for irrigation,
and the Controller of Public
Works have discussed the
several points requiring to
be settled, in order that
a clear understanding
might be arrived at as to
the way in which the in-
formation required to be
exhibited in the Capital
and Revenue Accounts was
to be obtained and dealt
with, and as to the extent
to which the wishes of the
Government of India could
be carried out. The report
of the conference will shortly
it is expected, be received
and the views of this Govt.
will then be laid before
the Government of India.

At the same time
a Revenue officer has been
appointed

appointed to work out the
data for ascertaining the
Revenue results of the several
projects, and he has already
commenced his investiga-
tions in the Krishna Delta,
in connection with which
system of irrigation the
Deputy Controller for irri-
gation works will also im-
mediately proceed to the
determination of the entries
on the expenditure side of
the account. When this system
has been disposed of and
it cannot be said at present
how long it will take for
the Revenue officer has not
only to determine the revenue
of the period prior to the con-
struction of the ancient and
that subsequently obtained,
but to ascertain what will
be the probable results of
the considerable further
expenditure

expenditure contemplated,
on which latter subject
the Govt. of India ^{have} desired
to be informed before sanc-
-tioning any of the estimates
which have been approved
by this Government and
submitted for sanction, the
Kodavery system will be
taken up and disposed of.
Similarly the other important
irrigation works will, in suc-
-cession, be dealt with.

4 I am to add that, as soon as the character of the Revenue information to be exhibited in the Accounts has been finally decided upon, it will be practicable to commence the compilation of revenue returns in all Districts in which there are any works, the results of which have to be worked out and exhibited.

exhibited, but their return
will extend in some cases
over long periods, and they
will involve therefore a
very large amount of work.

5. From the foregoing remarks it will be apparent that a complete report on the results of important irrigation works in this Presidency is ready for use at any time such reports on works so laid by direct require-

The first day of the
 month of January
 1864.

Ch: 322
Sept 19/10

Order in Council
No. 1000 of 1910
12th June 1910

I don't like this draft. It
implies great delay. I hope
may be avoided.

I would in reply simply say
that this Govt is making
the most earnest efforts to
meet the requirements of the
Secy of State & that with
this object have selected
one of their best Public
Officers to work up the
information required in
conjunction with the Controller
that no effort will be
being to make the
petition of the auths
advisedly M.L.

Ordered that the
Government of India
be addressed.

Ch: Secy for Ind
Controller
Recd Dept

FORMER CASES.

Current No. of 187

"
"
"
"

M. WORKS FORM No. 3.

Current No. 332

From

The Govt of India

No. 6-7. A-1.

Dated

11th 3/18/6.
Recd 17th 3/18/6.

Subject:—

Assimilation of system
of Rev. Accts. in Madras & Bombay
with that of the rest of India,
& preparation of Capital and
Revenue Accts. of Irrigation
Works.

LATER CASES.

Current No. of 187

"
"
"

ENCLOSURES.

From

to

"
"
"

Orders and Proceedings in file.

Depart- ment.	No.	Date.	ENDORSEMENTS.		
			Depart- ment.	No.	Dated.
1	542	12/14/75	241	26/7/75	
	547	12/14/75			
	686	26/7/75			
	687	26/7/75			
	116	4 Aug 75			
	170	22/7/75			
	3257	13/8/75			

Review of the Revenue Account,

Madras Railway.

Half-year ended 31st December 1875.

No. 275-

Recd. 14. 6. 76. Mtd. 19. 6. 76
Recd. 9. 6. 76. Mtd. 14. 6. 76
Recd. 20/6/76 Mtd. 9. 6. 76
Cin. 28. 4. 76. Mtd. 18/6/76.
12-2-76
12-2-76
Cin 31-1-76

REVIEW OF THE REVENUE ACCOUNT

OF THE

Madras RAILWAY

For the half-year ended 31st December 1875

TABLE A.

General Statement of working of half-year ending 31st December 1875.

I.—Description of Railway worked.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Gauge of Railway.	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			
	Double.		Total.	Sidings.	Length sanctioned.				Fixed power.	Locomotives.					
	Single.										Length.	Inclination	Length.	Inclination	
Ft. In.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.
5. 6	11. 6	11. 6	11. 6	11. 6	11. 6	83	10. 45	12. 45	12. 45	12. 45	12. 45	...	...	...	...

II.—Financial Results.

17	18	19	20	21	22	23	24	25	26
Total Capital authorized to be raised.	Total Capital paid up to end of half-year.	Total Capital withdrawn to end of half-year.	Total Capital expended on open mileage, inclusive of rolling stock.	Cost per mile open.	Earnings.	Expenses.	Profits.	Percentage of profits on paid up Capital.	Percentage of profits on Capital expended on open mileage, inclusive of rolling stock.
£	£	£	£	£	Rs.	Rs.	Rs.	Rs.	Rs.
10312298	10284110	10078652	9745988	11358	3211240	2308870	902370	804	849

III.—Summary of General Results.

27	28	29	30	31	32	33	34	35	36	37
Earnings (from No. VIII. of the Revenue Account) ..	COACHING.		GOODS.		TOTAL INCLUDING SUNDRIES, BT EXCLUDING STEAMBOAT.		Total including sundries and steamboat.		Total including sundries and steamboat.	
	Total.	Per Passenger train mile.	Total.	Per goods train mile.	Total.	Per mean mile open per week.	Total.	Per mean mile open per week.	Total.	Per mean mile open per week.
...	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
...	1227643	2343	54. 42	1879982	2. 639	83. 33	311240	2. 974	142. 87	3211240
...	729874	1987	32. 26	1490927	2. 098	67. 10	2308870	2. 139	102. 36	2308870
...	497769	1056	22. 07	389052	5. 46	16. 25	902370	5. 35	10. 01	902370
Percentage of expenses to earnings...	59. 43	Nil	Nil	79. 31	Nil	Nil	71. 90	Nil	Nil	71. 90

[2]

IV.—Traffic Earnings.

38	39	40	41	42	43
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.	
Passengers	1st Class	7661 1/2	5.588	73090	5.954
	2nd "	26787 1/2	2.055	90526	7.374
	3rd "	846283	64.931	712088	58.008
	4th "	422624 1/2	32.426	173677	14.143
	Total	1303356 1/2	100.000	1227643	100.000
Coaching (Revenue Account, Abstract H)	Miscellaneous	Nil	Nil	178262	14.521
Less outstandings irrecoverable	Nil	Nil	"	Nil	
Net Total	Nil	Nil	1227643	Nil	38.229
General merchandise	Tons.		Rs.		
	Special	87060	40.351	477337	25.392
	1st Class	85067	39.427	769844	40.949
	2nd "	22411	10.387	260474	13.855
	3rd "	12332	5.716	172000	9.193
Military Stores	4th "	3625	1.680	2246	4.430
	5th "	3159	1.464	4474	2.662
	Total	1539	7.14	42391	2.255
Goods (Revenue Account, Abstract I)	Railway Materials	563	2.61	4049	2.34
Miscellaneous	Nil	Nil	20117	1.070	
Less outstandings irrecoverable	Nil	Nil	"	Nil	
Net Total	Nil	Nil	1879982	Nil	58.544
Sundries, including Electric Telegraph	Nil	Nil	103615	Nil	3.227
Total Railway earnings	Nil	Nil	3211240	Nil	100.000
Steam boat traffic	Nil	Nil	"	Nil	Nil
Total, including steam boat	Nil	Nil	3211240	Nil	Nil

V.—Working Expenses.

44	45	46	47	48	49	50	51	52	53
Amount (Revenue Account, Form No. VIII)	Maintenance.	Locomotive.	Carriage and Wagon.	Traffic.	General.	Special and Miscellaneous.	Total Railway expenditure.	Steamboat expenses.	Total, including steam-boat.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
805126	741614	208937	320421	227151	7622	2308270	...	2308270	
34871	32120	8963	13898	9838	0330	100400	Nil	Nil	

[3]

VI.—Haulage and Working.

54	55	56	57	58	59	60	61	62	63	64	65	66
TRAIN-MILEAGE.			VEHICLE-MILEAGE (EXCLUSIVE OF BRAKE-VANS).				GROSS TON-MILEAGE (FREIGHT AND DEAD WEIGHT).					
Traffic.	Miscellaneous.	Total.	Run for public traffic.			Miscellaneous.	Total, including Miscellaneous.	For public traffic.			Miscellaneous (for Revenue purposes).	Total, including Miscellaneous.
			Coaching.	Goods.	Total.			Coaching.	Goods.	Total.		
1079.625	51879	1131504	533997	1116974	1650971	526431	1708269	740563	13180774	1392140	1392173	196259583

VII.—Average composition and weight of Trains.

67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83
Nature of Trains.	COMPOSITION.												WEIGHT.			
	Coaching Vehicles.						Goods Vehicles.						Freight or live load.	Dead load, exclusive of engines and tenders and brakes.	Total.	Tons.
	1st class.	2nd class.	3rd class.	4th class.	Carriage trucks.	Horse boxes.	Luggage vans.	Post Office Vehicles.	Brake-vans.	Goods vehicles.	Cattle vans.	Mineral trucks.				
Passenger	No. 4468	No. 3691	No. 2532	No. 0.611	No. 0.353	No. 1.140	No. 2.204	No. 0.021	No. 0.243	No. 0.749	No. 2.112	No. 0.001	Tons. 0.508	Tons. 13.001	Tons. 93.325	Tons. 108.036
Goods	No. 0.020	No. 0.044	No. 0.229	No. 0.001	No. 0.071	No. 0.139	No. 0.152	No. 0.014	No. 0.151	No. 0.187	No. 0.187	No. 0.001	Tons. 0.742	Tons. 58.228	Tons. 112.620	Tons. 171.268
Mixed	No. 0.740	No. 1.063	No. 2.449	No. 0.866	No. 0.139	No. 0.375	No. 0.297	No. 0.250	No. 0.327	No. 0.858	No. 0.135	No. 0.001	Tons. 0.423	Tons. 30.096	Tons. 36.055	Tons. 116.151

VIII.—Average loads of Vehicles.

84	85	86	87	88	89	90
Details.	Average carrying capacity.	Average contents of each vehicle.	AVERAGE WEIGHT		Total.	Proportion per cent. of freight to dead weight.
			Of each vehicle.	Of freight.		
Coaching—	No.	No.	Tons.	Tons.	Tons.	
1st class	12354	2.140	6.70	0.157	6.887	2.791
2nd "	33516	4.326	6.85	0.378	7.228	5.518
3rd "	47484	21.680	6.57	1.355	7.925	20.621
4th "	50000	23.821	6.00	1.489	7.489	24.817
Carriage trucks	1476	0.771	5.05	0.260	5.310	5.149
Horse boxes	3000	1.236	7.05	0.541	7.591	7.673
Luggage vans	2457	1.285	7.25	1.285	8.535	17.724
Post Office Vehicles	-	0.450	6.91	0.450	7.360	2.171
Goods—	No.	No.	Tons.	Tons.	Tons.	
Goods vehicles	6482	3.078	5.55	3.078	8.738	52.382
Cattle vans	672	0.919	6.05	0.919	6.969	15.190
Mineral trucks	-	-	-	-	-	-

[4]
TABLE B.

Statement showing in comparison the Coaching Traffic of the half-years ending
31st December 1874, and 31st December 1875.

REFERENCE TO REVENUE ACCOUNT.					NUMBER.		AVERAGE FARE PER UNIT PER MILE.		RECEIPTS.		AVERAGE MILEAGE.		TOTAL GRT MILEAGE.	
Table and Main-head.	Sub-head.	DETAILS.	1 st Half 1874.	2 nd Half 1875.	1 st Half 1874.	2 nd Half 1875.	1 st Half 1874.	2 nd Half 1875.	1 st Half 1874.	2 nd Half 1875.	1 st Half 1874.	2 nd Half 1875.	1 st Half 1874.	2 nd Half 1875.
X (H.) 1	...	1 st CLASS PASSENGERS—			Pies.	Pies.	Rs.	Rs.						
		Single journey	3542	2894	14.234	14.293	37.450	39.405	151.17	152.911	5052.12	5793.44		
		Excess fares	Nil	Nil	Nil	Nil	402	715	Nil	Nil	52.14	13.594		
		Return journey	3452	3634	8.967	9.282	21.577	25.639	133.85	145.946	161.550	5363.89		
		Troops and Police	85	174	15.307	19.815	10.30	7.334	231.80	209.25	12.919	7103.6		
		TOTAL	6849	6702	11.779	12.263	50.454	73.079	143.88	170.747	627.46	1142.543		
		Season Ticket passengers—	1240	960	8.150	..	815	..	718.26	215.125	222.72	206.520		
		2 nd CLASS—												
		Single journey	2099	17170	5.502	5.621	38.652	40.818	67.41	51.224	199.30	1394.13		
		Excess fares	Nil	Nil	Nil	Nil	436	1.64	Nil	Nil	22.26	24.212		
		Return journey	4580	4473	4.268	4.375	14.504	13.138	142.53	138.364	652.784	708.115		
		Troops and Police	472	4145	6.789	3.652	3140	3297	188.87	115.207	89.052	1334.69		
		TOTAL	25151	25788	5.158	4.496	56.742	90.391	84.01	149.378	213.123	3559.909		
		Season Ticket passengers—	2500	1000	3.045	0.145	699	135	578.04	179.392	44.073	17.9392		
		3 rd CLASS—												
		Single journey	461275	760272	3.084	3.116	336.443	62.158	47.59	41.95	38.610	38.610		
		Excess fares	Nil	Nil	Nil	Nil	5101	2347	Nil	Nil	248.86	126.617		
		Return journey	108401	72141	1.083	1.114	36.612	43.066	53.84	54.120	574.338	3910.087		
		Troops and Police	11038	13870	3.315	2.946	28.619	39.623	135.53	123.612	145.062	2538.873		
		TOTAL	578717	846283	2.921	3.023	457.665	712088	52.52	53.435	433.182	45220.944		
		Season Ticket passengers—	72527	222624	2.023	2.030	118790	173532	38.61	38.83	1275552	1621297		
		4 th CLASS—												
		Single journey	292029	122624	2.023	2.030	118790	173532	38.61	38.83	1275552	1621297		
		Excess fares	Nil	Nil	Nil	Nil	145	Nil	Nil	Nil	Nil	27.806		
		Return journey	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil		
		Troops and Police	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil		
		TOTAL	292029	122624	2.023	2.028	118790	173677	38.61	38.90	1275552	1624093		
		Season Ticket passengers—	72527	222624	2.023	2.028	118790	173677	38.61	38.90	1275552	1624093		
		TOTAL—												
		Single journey	579745	1202960	Nil	Nil	131845	880913	26.11	47.36	58017323	5682179		
		Excess fares	Nil	Nil	Nil	Nil	5939	3571	Nil	Nil	32026	102351		
		Return journey	111436	80248	Nil	Nil	125693	84835	87.85	64.16	478970	514571		
		Troops and Police	1555	18189	Nil	Nil	29979	79928	138.16	238.77	1597935	4343018		
		TOTAL	1402746	150397	Nil	Nil	293458	1049247	50.42	57.23	7230358	6666099		
		Season Ticket passengers—	3320	7930	Nil	Nil	1574	735	592.09	196.894	66.425	225.912		
2	...	PASSENGERS' LUGGAGE	Ton miles.	Ton miles.	58.03	55.764	18497	21098	Nil	Nil	Nil	Nil		
3	...	MILITARY BAGGAGE	Ton miles.	Ton miles.	22.180	20.776	2762	16248	Nil	Nil	Nil	Nil		
4	1	PUBLIC { Carriages	No.	No.	25.820	25.419	9038	13698	Nil	Nil	6206	103468		
			Horses	1343	1713	14.610	14.217	20.935	29180	Nil	Nil	274937	394089	
			Dogs, &c.	1448	1535	1.668	1.517	2160	2121	Nil	Nil	248574	268386	
5	1	MILITARY { Carriages	2	4	29.955	24086	127	209	Nil	Nil	814	1666		
			Horses	52	153	13.801	17.082	1137	4338	Nil	Nil	113917	43852	
			Dogs, &c.	47	90	0.371	0.312	23	88	Nil	Nil	113917	43852	
6	...	PARCELS	Ton miles.	Ton miles.	60.725	57.222	44588	52366	Nil	Nil	Nil	Nil		
7	...	SPECIAL TRAINS	Train miles.	Train miles.	Nil	Nil	4368	35314	Nil	Nil	Nil	Nil		
8	...	MISCELLANEOUS	Train miles.	Train miles.	Nil	Nil	124	576	Nil	Nil	Nil	Nil		
Post Office—														
1		Haulage and hire of vehicles	No.	No.	Nil	Nil	Nil	Nil	Nil	Nil	Approximate	Approximate		
2		Special Trains	Train miles.	Train miles.	Nil	Nil	1050	1050	Nil	Nil	133667	94.161		
3		Parcels	Ton miles.	Ton miles.	Nil	Nil	1050	1050	Nil	Nil	133667	94.161		
TOTAL			1499779	127663										
Less outstandings irrecoverable														
NET TOTAL			1499779	127663										

[5]
TABLE C.

Statement showing in comparison the Goods Traffic of the half-years ending
31st December 1874, and 31st December 1875.

REFERENCE TO VENUE ACCOUNT.		DETAILS.	TON MILES.				AVERAGE RATE PER TON PER MILE.		RECEIPTS.		AVERAGE MILEAGE.	
Table Main- head.	Sub- head.		2 nd Half, 1874.		2 nd Half, 1875.		2 nd Half, 1874.	2 nd Half, 1875.	2 nd Half, 1874.	2 nd Half, 1875.	2 nd Half, 1874.	2 nd Half, 1875.
			Up.	Down.	Up.	Down.						
(I) 1		MERCHANDIZE, GENERAL—	2710	2710	2710	2710	13	12	12	12		
		Special ...	1698267	4412138	8531481	3387001	7.73	7.69	4697	47733	156.27	136.809
		1st Class ...	5076497	4106152	7436779	7061261	10.63	10.19	5350	769844	141.44	170.431
		2nd „ ...	598092	2301526	1037814	3246922	13.61	13.21	2642	66474	151.91	168.879
		3rd „ ...	912348	724533	1022226	953912	16.92	16.79	4426	72833	155.34	160.245
		4th „ ...	583959	98997	650190	102222	21.52	21.53	7655	83453	180.87	202.045
		5th „ ...	124192	34514	125349	193681	32.64	29.71	35488	49474	110.54	100.471
		TOTAL ...	7573355	1127855	8783839	1444994	10.32	10.48	477175	1813425	150.67	155.526
	2	MILITARY STORES	488506	36666	434226	15374	15.48	18.10	42350	42391	266.50	292.138
	3	RAILWAY MATERIALS FOR CONSTRUCTION.	70542	102587	53546	37528	6.39	8.54	6030	4049	179.16	161.765
		MINERALS—										
	1	For the Public										
	2	„ Company (Construction only.)										
		TOTAL GOODS	18150403	11807111	17271611	14497901	10.39	10.57	1625555	1539865	151.97	155.517
5	STORES CARRIED FREE FOR REVENUE.	664832	424914	1368018	914408	Nil	Nil	Nil	Nil	137.31	144.535	
6		LIVE STOCK—	No.	No.			Average rate per Ton mile.				Estimated total Ton mileage.	
	1	Horses	126	154			16.938	17.523	1008	1576	11426	9490
	2	Cattle	499	742			20.249	16.723	1412	2029	13294	23969
	3	Sheep, &c.	3376	4904			28.363	22.776	958	1428	6485	12038
		MILITARY LIVE STOCK—										
	1	Horses	343	926			16.455	17.529	2268	11858	49565	74219
	2	Cattle	102	28			12.249	33.763	353	233	5533	1325
	3	Sheep, &c.	63				22.364		41		352	
	8	RENTS AND DEMURRAGE, WHARFAGE, &c.	Nil	Nil			Nil	Nil	3413	2610	Nil	Nil
	9	INTEREST ON OUTSTANDING BILLS.	Nil	Nil			Nil	Nil	285		Nil	Nil
10	MISCELLANEOUS	Nil	Nil			Nil	Nil		444	Nil	Nil	
TOTAL ...									1637263	1879983		
Less outstandings irrecoverable												
NET TOTAL									1637263	1879983		

TABLE C.—I.

Comparative Statement showing the weight and earnings of the principal commodities carried during the half-years ending 31st December 1874 and 31st December 1875.

DESCRIPTION.	QUANTITY.		RECEIPTS.		Increase in quantity.	Decrease in quantity.	Increase in receipts.	Decrease in receipts.
	Half, 1874.	Half, 1875.	Half, 1874.	Half, 1875.				
	Tons.	Tons.	Ra.	Ra.	Tons.	Tons.	Ra.	Ra.
Baggage (Military)	35	106	1312	3173	71	...	1861	...
Ballast and Stones	1526	1604	4914	10000	...	...	...	...
Bamboos	1986	2513	8474	11341	527	22	5086	...
Beer	293	231	5070	4304	...	...	2867	...
Betel-nuts	3318	3267	33322	35799	...	...	...	...
Bones and Copper	524	524	6552	6982	...	51	2277	...
Charcoal Coke & Coal	160	277	658	1385	...	...	...	...
Chillies	1596	1522	12760	17066	117	...	...	...
Chinam & Lime	477	515	1846	1113	38	74	4247	...
Clothes and Piece Goods	3083	3061	55071	57774	...	...	...	733
Cocoanuts	1267	1701	5372	11855	434	22	2703	...
Coffee	894	482	11032	5493	...	...	2283	...
Commissariat Stores	1195	1078	21939	23885	...	412	...	3537
Cotton loose	1731	4086	14088	30018	2333	117	1946	...
Do A pressed	...	...	...	...	...	...	15030	...
Do B Do	...	...	...	...	...	...	...	...
Do C Do	...	...	...	...	...	...	...	...
Do D Do	...	...	...	...	...	...	...	...
Do E Do	...	...	...	...	...	...	...	...
Dye or Redwood	2776	1672	47540	31164	...	33	...	5976
Firewood	7487	13518	115283	231840	6031	1104	116357	...
Fruits and Vegetables	1526	837	7840	3411	...	...	...	4438
Furniture	5496	5852	14466	16905	358	892	...	...
Ghee	2985	2647	23416	23416	...	...	...	3031
Grains & Pulse	117	315	2403	7598	...	333	...	...
Grains	582	685	8679	9699	198	...	5105	...
Ground Nuts	13417	11211	53603	28760	103	...	1020	...
Gumies	5157	3532	33668	21282	...	2266	3166	...
Hay	749	457	3167	1958	...	...	...	16336
Indigo	2205	2175	22777	23512	...	...	...	1209
Iron of all kinds	8	24	57	223	16	30	735	...
Jaggery	515	684	7447	10192	168	...	186	...
Luggage	3139	4258	35700	53165	1119	...	2745	...
Oil of all kinds	4697	4990	34442	33156	293	...	17463	...
Ordinance Stores	443	740	8081	14964	297	...	6883	...
Raddy	2947	3435	25299	28745	518	...	3446	...
Bitel Tar and Asphaltic	741	353	19100	15333	...	388	...	3267
Statues	2780	3093	11179	13519	313	...	2340	...
Water & Ammunition (Combustibles)	61	70	886	990	9	...	104	...
...	7203	1405	11531	13422	...	...	...	...
...	50	62	3307	3994	1102	...	687	...
...	9426	5284	68601	29189	...	4139	39431	...
...	40602	36292	280659	254866	...	4310	28793	...
...	22675	25625	150180	191119	2950	...	40959	...
...	1773	1246	14729	9344	...	527	5385	...
...	477	378	7292	6205	...	79	1087	...
...	9389	9232	56441	56078	...	157	38422	...
...	3050	4932	41232	79674	1582	...	...	...
...	2637	2214	22719	17770	...	423	4949	...
...	12735	15982	141645	194090	3247	...	52445	...
...	2772	3415	13953	20016	643	...	6063	...
...	5890	7730	32773	46316	1840	...	13543	...
...	3264	3107	16727	17801	...	157	1074	...
...	2166	2396	35854	40443	230	...	4589	...
...	1055	1471	19492	25686	416	...	6174	...
...	...	...	...	...	...	...	4062	...
...	196571	215193	1619526	1855816	18622	...	236290	...

TABLE D.

Statement of Mileage maintained by Revenue.

REFERENCE TO REVENUE ACCOUNT.	DETAILS.	2 nd HALF OF 1874			2 nd HALF OF 1875		
		Departmentally.	By Contract.	Total.	Departmentally.	By Contract.	Total.
IX. (A.)	1. Mean miles of line maintained by Revenue.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.
	2. Single ...	828.000	...	828.000	846.906	...	846.906
	3. Double ...	3375	...	3375	3427	...	3427
	4. Total ...	831375	...	831375	850337	...	850337
	5. Mean miles of sidings maintained ...	85.500	...	85.500	90.116	...	90.116
Total ...		916.875	...	916.875	940.453	...	940.453
5. Mean miles of single track including sidings		920.250	...	920.250	943.590	...	943.590

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.
Reference to Revenue Account.	XIV.—1.	XIV.—2.	XIV.—3.		XIV.—4.	XIV.—5.	XIV.—6.
1 2 nd Half, 1874.	Passenger ...	9385	...	...	18	25104	1996
	Goods ...	218390	13574	53569	1024766	...	...
	Mixed ...	729848	...	...	...	...	...
Total ...		957623	13574	53569	1024766	18	25104 1996
2 2 nd Half, 1875.	Passenger ...	18990	...	...	19	27137	2423
	Goods ...	259122	19177	32702	1131504	...	...
	Mixed ...	801513	...	...	...	...	...
Total ...		1079625	19177	32702	1131504	19	27137 2423
3 Increase in 1875.	Passenger ...	9605	...	...	1	2033	427
	Goods ...	40732	5603	...	106738	...	...
	Mixed ...	71665	...	...	...	...	...
Total ...		122002	5603	...	106738	1	2033 427
4 Decrease in 1875.	Passenger ...	...	...	...	...	...	...
	Goods ...	...	...	20867	...	...	...
	Mixed ...	...	...	...	...	...	...
Total ...		...	...	20867	...	...	...

N.B. The mileage of mixed trains has been divided in terms of the number of Coaching & Goods Vehicles attached to a mixed train.
 Proportion of mixed train mileage due to passengers 18990 / 367232
 Goods train mileage 259122

TABLE E.

Maintenance of Way, Works, and Stations.

REFERENCE TO REVENUE ACCOUNT.		2 nd HALF, 1874		2 nd HALF OF 1875			
Table and Main head.	Sub-head.	Total.	Total.	Increase	Decrease.		
IX. (A.)	Mileage of line maintained (D-2, page 7)	831.375	850.337	18.962			
XIV. (I.)	Mileage of single track, including sidings (D-5, page 7)	920.250	943.890	23.640			
	Train mileage (D-2, page 7)	957.623	1079.625	122.002			
	Ton mileage (D-1 column 27-4)	12728003	14259553	22521550			
DETAILS.		2 nd HALF, 1874	2 nd HALF OF 1875			Per mile of line maintained	Per mile of track, including sidings.
		Total.	Total.	Increase.	Decrease.	Per train mile.	Per 1,000 ton miles.
IX. (A.)	GENERAL SUPERINTENDENCE—	Rs.	Rs.	Rs.	Rs.	Rs.	As.
1 & 2	Engineers' salaries and allowances	66910	66864		46	78.632	70.839
3 to 5	Subordinate Superintendents' salaries and allowances, including overtime	24058	36996	12938		13.508	39.195
6	Office expenses	28334	26825		1509	31.546	28.420
						0.398	0.137
2	MAINTENANCE AND RENEWAL OF PERMANENT WAY—						
1	Wages	166143	164382		1761	193.203	174.154
2	Materials	111868	238613	126745		279.903	252.162
						3.527	1.213
3	REPAIRS OF BRIDGES, &c.—WAGES AND MATERIALS—						
1	Bridges and Tunnels	117843	124522	6679		146.438	131.924
2	Miscellaneous	58284	69764	11480		82.043	73.911
						1.034	0.355
4	REPAIRS OF STATIONS AND BUILDINGS—WAGES AND MATERIALS—						
1	Repairs of all except Staff quarters	34586	44156	9570		51.927	46.781
2	" of Staff quarters	10338	16562	6224		19.477	17.547
						0.246	0.084
5	MAINTENANCE BY CONTRACT—						
1	Amount paid to Contractors						
2	Materials supplied by the Company						
6	UNCLASSIFIED EXPENDITURE—						
1	Plantations						
2	Tools and Plant	12002	17041	5039		20.040	18.054
3	Less on Stores, &c.						
						0.253	0.087
	Total	630366	805125	178075	3316	946827	852.987
	Less						
	Net Total	630366	805125	178075		946827	852.987

[9]

TABLE E.—I.

Maintenance of Way.

RAILS.

DETAILS.	Double headed weighing lbs. per yard.	Double headed weighing lbs. per yard.	Double headed weighing lbs. per yard.	Double headed weighing lbs. per yard.	Contractors the 35 per yard	Total.
1 Miles of rail in way, including sidings	675.20	1035.25	138.97	55.77	0.14	1905.34
2 Average age of rails in way at the middle of the half-year	14.50	8.75	19.00	4.50	8.25	11.50
3 Rails inverted... Number Miles	1209 4.58	531 2.00	182 0.69			1922 7.28
4 Proportion inverted per mile of (1) rail	0.006	0.001	0.004			0.003
5 Rails renewed... Number Miles	175 0.66	232 0.88	92 0.35	16 0.06		515 1.95
6 Proportion renewed per mile of (1) rail	0.001	0.0009	0.003	0.001		0.001
7 Average number of tons hauled over each kind of rail in the half-year	245.853	177.267	219.954	195.557		Nil.
8 Thousands of tons hauled on an average over each kind of rail during the average age of rails in way (2)	6677	2712	14838	1678		Nil.

TABLE E.—II.

Maintenance of Way.

SLEEPERS.

DETAILS.	Wood								Crossed Sleepers	
	Oak				Pine				Pine	Crossed Sleepers
	6x12x6	6x12x6	6x12x6	6x12x6	6x12x6	6x12x6	6x12x6	6x12x6		
1 Number of sleepers in way, including sidings	1138	834	1519	2163	1038	1211	16763	18917	18655	27303
2 Average age of sleepers in way at the middle of the half-year	7.50	7.75	7.00	6.50	6.50	4.00	4.50	4.75	0.50	9.25
3 Number renewed	37		103	96	6	96	20655	20993		1771
4 Ditto per cent. of (1)	3.25		0.67	4.43	0.57	7.92	12.32	11.09		0.06

TABLE F.

Locomotive Department Expenses.

REFERENCE TO REVENUE ACCOUNT.		2 nd HALF, 1874		2 nd HALF OF 1875				
Talle and Main-head	Sub- head.	Total.	Total.	Increase.	Decrease.			
XIV-1	...	Train mileage (H-I, 2, page 7) ...	957,623	1,079,625	122,002			
	...	Ton mileage (M-I, column 27 I, page 18) ...	173,728,003	196,254,583	22,531,580			
		DETAILS.	2 nd HALF, 1874	2 nd HALF OF 1875				
			Total.	Total.	Increase.	Decrease.	Per train mile.	
							Per 1,000 ton miles.	
IX (B)-1	1 and 2	GENERAL SUPERINTENDENCE—	Rs.	Rs.	Rs.	Rs.	As.	Rs.
	3 to 5	Salaries of Superintendents and Assistants, including allowances ...	13,552	11,565	-	1,987	0.471	0.059
	6	Ditto of Subordinate ditto, including ditto ...	33,419	31,065	-	2,354	0.460	0.158
		Office expenses ...	1,582	1,634	519	-	0.212	0.083
		RUNNING EXPENSES—						
	1 and 2	Wages of Drivers and Firemen, including overtime ...	84,884	92,532	7,648	-	1.371	0.471
	3	Fuelling, cleaning and looking after engines ...	15,185	16,363	1,178	-	0.213	0.083
	4	Contingent expenses ...	-	799	799	-	0.012	0.004
		FUEL—						
	1	Coal ...	150,528	202,109	51,581	-	2.995	1.030
	2	Coke ...	7,383	7,243	-	140	0.107	0.037
	3	Patent fuel ...	3,134	1,367	-	1,767	0.020	0.007
	4	Wood ...	13,853	16,470	2,615	-	2.378	0.817
	...	WATER—including wages and stores.	14,327	12,816	-	1,511	0.190	0.065
	5	OIL, TALLOW, AND OTHER STORES.	13,093	14,006	913	-	0.208	0.072
	MAINTENANCE AND RENEWALS—							
1 and 2	Wages, including overtime ...	92,899	90,777	-	2,122	1.315	0.462	
3	Materials ...	86,097	84,160	-	1,937	1.248	0.429	
7	PAYMENTS TO OTHER LINES—	-	-	-	-	-	-	
8	UNCLASSIFIED EXPENDITURE—	-	-	-	-	-	-	
	Total	664,179	741,614	89,253	11,818	10.990	3.777	
	Less ...	-	-	-	-	-	-	
	Net Total	664,179	741,614	89,253	11,818	10.990	3.777	

FUEL CONSUMED (FROM ABSTRACT B. OF REVENUE ACCOUNT).								
	Coal.	Coke.	Patent fuel.	Wood.	Average consumption per train mile.		Average consumption per 1,000 ton miles.	
					Coal, coke and patent fuel.	Wood.	Coal, coke and patent fuel.	Wood.
Quantity consumed during the ^{1st} half of 1874	Tons. 537.6	Tons. 217.0	Tons. 130.5	Tons. 29.878	lbs. 13,338.8	lbs. 69,888	lbs. 73,797	lbs. 385,238
" " " of 1875	682.2	224.5	54.5	35.819	14,733	74,317	81,057	408,871
Increase in 1875	144.6	7.5	-	59.41	1,394.5	4,429	7,260	23,633
Decrease in 1875	-	-	76.0	-	-	-	-	-

TABLE F.—I.

Locomotive Power.

REFERENCE TO REVENUE ACCOUNT.			Passenger.	Passenger.	Goods.	Tank.	Total.
Table and Main-head.	Sub-head.						
		Locomotives ... { 1.—Wheels coupled 2.—Weight on driving axle 3.—Total weight in steam, exclusive of tender	tons.	14 tons.	6 and 4 from 10-18 to 23 tons. from 27-01 to 34-46	4 8-74 16-25	
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		1	30	5	36
		3.—Number of Locomotives laid by as spare or hired out to other lines					
		4.—Average number of Locomotives at work [1—(2+3)]		1	76	15	92
		5.—Train miles hauled by each class of Locomotives at work (4)		25822	108238	15570	1131504
		6.—Average train miles hauled by each Locomotive at work (4)		25822	13661	1038	13507
		Per half-year		140	74	6	73
		Per day		26.43	35.32	10.37	29.16
		7.—Weight of coal, &c., used per ^{Engine} ~~train~~ mile		77.46	91.33	50.94	90.46
		8.—Weight of wood used per ^{Engine} ~~train~~ mile					131.65
		9.—Average gross weight of the trains hauled by each class of Locomotives					
		10.—Average speed between stations		21½	16¼	19	
		11.—Average through speed		20½	16	16½	

[12]
TABLE G.

Carriage and Wagon Expenses.

REFERENCE TO REVENUE ACCOUNT.				2 nd HALF, 1874		2 nd HALF OF 1875			
Table and Main- head.	Sub- head.			Total.	Total.	Increase.	Decrease.		
XIV—1	...	Train mileage (D—1, page 7) ...		257623	2679625	122002	.		
		Coaching (M—I. 9 a, page 18) ...		493926	5353997	424735	"		
		Vehicle mileage. Coaches (M—I. 16 a, page 18) ...		2356062	4169741	1803679	"		
		Total		4358224	4533738	175514	"		
DETAILS.				2 nd HALF, 1874	2 nd HALF OF 1875				
				Total.	Total.	Increase.	Decrease.	Cost per train mile.	Cost per 1,000 vehicle miles.
				Rs.	Rs.	Rs.	Rs.	As.	Rs.
GENERAL SUPERINTENDENCE—									
IX (c)—1	1 and 2	Salaries of Superintendents, including allowances ...		29524	2350	--	594	0.035	0.143
	3 to 5	Ditto of Subordinate ditto, including ditto ...		7521	6652	--	869	0.098	0.402
	6	Office expenses ...		3539	3426	--	113	0.051	0.207
REPAIRS AND RENEWAL OF VEHICLES AND MACHINERY—									
2	1 to 3	Coaching vehicles.	yes, including overtime ...	1621	17461	5840	--	0.258	3.255
			Materials ...	13983	30752	16769	--	0.456	5.783
	1 to 3	Goods vehicles.	yes, including overtime ...	27747	28128	381	--	0.417	2.518
			Materials ...	16444	44347	12297	--	0.657	3.970
CLEANING AND OILING—									
3	1	Labor, including wages of oilers, &c. ...		7624	8189	565	--	0.121	0.495
	2	Stores ...		19419	15353	--	4066	0.228	0.929
4		UNCLASSIFIED EXPENDITURE ...		1346	50259	48913	--	0.745	3.039
Total				151398	206937	73468	17929	3.066	12.516
Less									
Net Total				151398	206937	73468	17929	3.066	12.516

(a) Cost per 1000 Coaching vehicle miles. (b) Cost per 1000 Goods vehicle miles.

[13]

TABLE G.—I.

Repairs and working of Vehicles.

DESCRIPTION OF VEHICLES.	Average weight in tons.	Average carrying capacity.	Total number constructed to end of half-year.	REPAIRED AND RENEWED.			Average number constantly under repairs and renewals.	Proportion per cent. constantly under repairs and renewals.	Number laid by as spare, or hired out, or lent to other lines.	Average number in working order.	Total vehicle mileage.	AVERAGE MILEAGE RUN PER VEHICLE.	
				Number repaired.	Number renewed.	Total.						During half-year.	Per day.
Coaching Stock—													
Sleeping Coaches	7.50	2	2	-	-	-	-	-	-	2	4050	2025	100.00
First class Coaches	10.00	12	4	-	-	-	-	-	-	20	395685	19784	107.00
Double saloon Coaches	6.70	12	15	33	-	33	3	13.04	-	58	772246	13325	72.42
Second class Coaches	6.85	40	64	46	-	46	6	9.37	-	171	172157	1056	54.71
Coaches for Post Office	5.35	20	-	-	-	-	-	-	-	27	480010	7778	96.62
Third class Coaches	5.10	60	181	89	-	89	10	5.52	-	38	690176	18162	98.71
Coaches with brakes	6.80	40	30	19	1	20	3	10.00	-	2	49154	2457	133.57
Coaches for Post Office with brakes	10.20	-	-	-	-	-	-	-	-	33	555513	15824	91.49
Third class Upper Storied Composite Coaches	5.95	80	2	-	-	-	-	-	-	1	12161	6080	33.04
Fourth class Composite Coaches	6.70	12	25	34	-	34	4	10.81	-	30	129522	4327	23.52
Goods class Coaches	9.40	50	40	33	-	33	2	5.00	-	20	471284	23564	128.07
Engineers' Inspection Coaches	7.00	-	1	5	-	5	-	-	-	35	358461	9433	57.27
Consulting Engineers' Coaches	7.50	-	1	-	-	-	-	-	-	-	-	-	-
Invalid Coaches	7.80	10	2	-	-	-	-	-	-	-	-	-	-
Carriage Trucks	5.05	14	30	6	1	7	5	20.00	-	-	-	-	-
Passenger Luggage vans	7.25	37	25	20	2	22	12	24.00	-	-	-	-	-
Horse Boxes	7.05	36	50	89	1	90	-	-	-	-	-	-	-
Total ...	-	-	488	374	5	379	45	12.22	-	443	564067	12703	69.0
Goods Stock—													
Open Goods wagons	5.29	164	1332	4	-	4	1	0.30	-	331	76804	232	126
Open-sided Goods wagons A	4.90	144	-	-	-	-	-	-	-	-	-	-	-
High-sided open Coaches B	5.32	248	1857	1215	-	1215	76	4.09	-	1781	9109574	5115	27.80
High open Coaches D	4.80	268	5	1	-	1	1	20.00	-	4	8741	2185	11.90
Ballast-wagons	5.00	164	200	6	-	6	27	13.50	-	173	15833	92	0.50
Coke Coaches	5.20	164	200	215	-	215	-	-	-	349	774874	2220	12.07
Cattle Coaches D	6.07	4	35	43	-	43	4	11.40	-	31	200339	6463	35.13
Road Coaches D	6.35	265	7	5	-	5	-	-	-	7	41467	5924	32.20
Road Brake wagon	7.37	153	22	12	-	12	2	9.09	-	20	379213	1896	103.05
Low-sided Goods wagons	6.16	265	48	48	1	49	2	4.17	-	46	666308	14485	78.72
Timber Trucks	4.74	566	144	12	-	12	5	3.47	-	139	20592	868	4.72
Platform Trucks	4.61	346	6	-	-	-	-	-	-	6	-	-	-
Water Trucks	5.64	5	4	-	-	-	-	-	-	4	-	-	-
Goods Brake vans	9.75	153	60	45	-	45	4	6.66	-	56	857570	15314	83.23
Lump powder Coaches	7.82	265	3	2	-	2	-	-	-	3	34733	11572	62.92
Oil Store Coaches	8.72	3	3	6	-	6	-	-	-	3	33293	11098	60.32
Travelling Cranes or Trucks	-	-	4	-	-	-	-	-	-	4	-	-	-
Total ...	-	-	3100	1616	2	1618	143	7.84	-	2957	7319341	4166	23
Grand Total ...	-	-	3588	1990	7	1997	188	5.24	-	3400	7759988	5282	29

A mileage run for Coaching ... 2903
B — — — — — 20282
C — — — — — 4151
D — — — — — 1155
G miles 12161 were for miscellaneous purposes.
H — 574270
K — — — — —
L — — — — —

TABLE G.—II.

Distribution of Vehicle Mileage according to the Traffic carried.

Description of Vehicles.	Mileage run.	REMARKS.
Coaching—		
First-class	631,199	
Second "	933,628	
Third "	2,085,806	
Fourth "	690,176	
Carriage trucks	136,318	
Horse boxes	358,461	
Luggage vans	319,163	
Post Office vehicles	209,246	
Total (paying vehicle mileage)	5,363,997	
Passenger brake-vans	308,515	
Total, including brakes	5,672,512	Includes 288,493 mil empty vehicles
Goods—		
Goods vehicles	1,097,053	
Cattle vans	199,204	
Mineral trucks		
Total (paying vehicle mileage)	1,116,974	
Goods brake-vans	591,304	
Total, including brakes	1,176,104	Includes 233,578 miles of empty vehicles
Miscellaneous—		
(For stores and materials carried free on Revenue Account.)		
For Locomotive Department (in entire train load)	180,925	853,834
" Engineering	325,730	1418,390
" Stores carried free in ordinary Traffic trains	19,776	10,202
Brake-vans		Nil.
Total, including brakes	526,431	2,282,426
Grand Total	17,959,988	

TABLE H.

Traffic Expenses.

REFERENCE TO REVENUE ACCOUNT.	Table and Main-head.	Sub-head.	2 nd HALF, 1874.		2 nd HALF OF 1875.		Cost per train mile.	Cost per 1,000 vehicle miles.
			Total.	Increase.	Total.	Increase.		
XIV. 1								
		Train mileage (D—I, 2, page 7)	257,623	107,965	222,002	—		
		Coaching (M—I, 9 a, page 18)	1,039,623	535,991	1,247,351	—		
		Vehicle mileage—Goods (M—I, 16 a, page 18)	236,906	116,974	180,679	—		
		Total	1,430,326	165,337	1,225,214	—		
		DETAILS.						
			2 nd HALF, 1874.		2 nd HALF OF 1875.			
			Total.	Total.	Increase.	Decrease.		
			Rs.	Rs.	Rs.	Rs.	As.	Rs.
		SALARIES, WAGES, &c.—						
	1 & 3	General Superintendence, including travelling allowances	280,551	28,434	375	—	0.421	1.719
	2 & 4	Office Establishment and Contingencies	27,387	26,751	—	629	0.397	1.618
	b	Station Staff	130,088	124,991	4906	—	2.001	8.165
	c	Train	333,301	34,610	1,389	—	0.514	2.098
	2 1 to 3	FUEL, LIGHTING, WATER AND GENERAL STORES	49,223	58,515	9,352	—	0.868	3.543
	3	CLOTHING	9,105	6,541	—	2,562	0.197	0.396
	4	PRINTING, STATIONERY, AND TICKETS	17,310	20,594	3,284	—	0.305	1.246
	5	CHARGES FOR DELIVERY AND COLLECTION OF GOODS, &c.	—	—	—	—	—	—
	6	MISCELLANEOUS EXPENSES	—	402	402	—	0.006	0.024
		PAYMENTS TO OTHER LINES—						
	1	Hire of Vehicles	—	—	—	—	—	—
	2	Mileage of Foreign Stock	8920	9,405	485	—	0.139	0.569
	3	Expenses at Joint Stations	6	—	6	—	—	—
	8	UNCLASSIFIED EXPENDITURE	—	227	227	—	0.003	0.013
		Total	303,395	320,618	20,420	3,197	4.751	19.391
		Less	—	197	197	—	0.003	0.012
		Net Total	303,395	320,421	17,026	—	4.748	19.379

TABLE J.

General Charges.

REFERENCE TO REVENUE ACCOUNT		DETAILS.		2 nd HALF, 1874	2 nd HALF OF 1875			Cost per train mile.
Table and Main-head.	Sub-head.			Total.	Total.	Increase.	Decrease.	
XIV. 1		TRAIN MAINTENANCE (D.L. 2, PAGE 7)		957,623	1,079,625	122,002	-	-
IX. (E.) 1	1 to 4	HOUSING EXPENSES		Rs. 33,977	Rs. 36,219	Rs. 2,242	Rs. -	As. 0.536
		LOCAL MAINTENANCE						
	1	Agents Office, including travelling allowances and contingencies	ditto	21,043	22,111	1,068	-	0.328
	2	Agents Office	ditto	27,396	33,958	6,562	-	0.503
	3	Accounts Office	ditto	8,900	7,492	-	1,408	0.111
	4	Paymaster's Office	ditto	19,137	17,973	-	1,164	0.266
	5	Store Department	ditto	13,329	12,854	-	475	0.190
	6	Medical Department	ditto	12,270	12,549	279	-	0.186
	7	Rents		298	328	30	-	0.005
	8 to 10	Miscellaneous expenses, including Printing and Stationery and Medicine		5,615	7,248	1,633	-	0.107
	3	1 to 3 Police		12,502	13,398	896	-	0.199
	4	ADVERTISING		439	2,410	1,971	-	0.036
		ELECTRIC TELEGRAPH						
	1 to 4	Salaries, &c.		24,574	25,892	1,318	-	0.383
	5	Maintenance (Wages and Stores)		11,336	34,231	22,895	-	0.507
	6	Government Telegraph Department for Rent, Maintenance, and Inspection		-	-	-	-	-
	6	CLEARING ACCOUNTS WITH OTHER LINES		-	-	-	-	-
	7	UNCLASSIFIED EXPENDITURE		221	482	261	-	0.007
		Total		191,037	227,151	39,161	3,047	3.364
		Less		-	-	-	-	-
		Net Total		191,037	227,151	36,114	-	3.364

TABLE K.

Steam Boat Service.

REFERENCE TO REVENUE ACCOUNT		DETAILS.		HALF, 187	HALF OF 187		
Table and Main-head.	Sub-head.			Total.		Increase.	Decrease.
IX (2)				Rs.		Rs.	Rs.
	1	WORKING VESSELS—					
	2	Salaries and allowances of Officers and Crews					
	3	Loading and unloading vessels					
	4	Pilotage fees					
		Contingencies					
	2	REPAIRS—					
	1	Wages					
	2	Materials					
		FUEL—					
	1	Fuelling Establishment and Fuelling vessels					
	2	Coal					
	3	Coke					
	4	Patent fuel					
	5	Wood					
		MISCELLANEOUS STORES					
	1 & 2	STEAM TRAFFIC AGENCIES					
	1 to 4	MISCELLANEOUS EXPENDITURE					
	7	CONTRIBUTION TO FLOTILLA RESERVE FUND					
		Less					
		Net Total					
		Quantity consumed.				Increase.	Decrease.
		Tons.				Tons.	Tons.
	2	Coal					
	3	Coke					
	4	Patent fuel					
	5	Wood					

TABLE L.

Special and Miscellaneous Expenditure.

REFERENCE TO REVENUE ACCOUNT		DETAILS.		2 nd HALF, 1874	2 nd HALF OF 1875		
Table and Main-head.	Sub-head.			Total.	Total.	Increase.	Decrease.
IX (G) 1				Rs.	Rs.	Rs.	Rs.
		LAW CHARGES		9,350	14,644	-	7,886
		COMPENSATION—					
	1	For goods lost or damaged		3,068	2,807	-	261
	2	personal injury		4,000	-	-	4,000
	3	other claims		199	-	-	199
		RATES AND TAXES		2,249	3,351	1,102	-
		INTEREST ON REVENUE BALANCES		-	-	-	20,727
		CONTRIBUTION TO SPECIAL FUNDS—					
	1	Fire Insurance Fund		20,727	-	-	-
	2	Permanent-way Renewal Fund		-	-	-	-
	3	Casualty Fund		-	-	-	-
		Total		37,593	7,622	1,102	33,073
		Less		2,695	-	-	2,695
		Net Total		36,898	7,622	-	29,276

ANALYSIS OF CARRYING COST.

TABLE M.—I.

Definition.		Approximate weight of units to be adopted in these calculations—	
The unit of passenger traffic	is 1 passenger, plus free luggage.	Coaching—	Cwt. Tons.
" of carriages	is 1 carriage	A 1st class passenger with free luggage...	1.75 or .0875
" of horses	is 1 horse	A 2nd class do. do.	1.75 or .0875
" of luggage	is 1 ton.	A 3rd class do. do.	1.25 or .0625
" of Post Office vehicles	is 1 "	A 4th class do. do.	1.25 or .0625
" of goods	is 1 "	A carriage (average for two and four-wheeled)	6.75 or .3375
" of cattle	is 1 "		

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, including contents of each vehicle in Tons.	Proportion 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
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
COACHING—											
1 1st class	631,199	130,863	2.140	0.187	6.70	6.887	2.715	118,202	4,229,030	4,347,232	Nil
2 2nd " "	933,628	409,301	4.326	0.378	6.85	7.228	5.230	353,439	6,395,351	6,748,790	Nil
3 3rd " "	285,806	422,094	21.680	1.355	6.57	7.925	17.098	282,631	12,702,700	12,985,331	Nil
4 4th " "	490,176	164,409	23.821	1.489	6.00	7.489	19.882	102,755	4,141,050	4,243,805	Nil
5 Carriage trucks	136,318	105,134	0.971	0.260	5.05	5.310	4.890	35,483	688,406	723,889	Nil
6 Horse-boxes	858,451	442,941	1.236	0.541	7.05	7.591	7.126	193,787	2,527,150	2,720,937	Nil
7 Luggage vans	19,165	410,267	Nil	1.285	7.25	8.535	15.053	410,267	2,313,930	2,724,197	Nil
8 Post Office vehicles	10,740	Nil	Nil	7.450	6.91	7.350	5.111	94,151	1,445,250	1,539,401	Nil
9 Total	3,639,971	Nil	Nil	Nil	Nil	Nil	Nil	508,919	35,444,507	35,953,426	Nil
10 Passenger engines and tenders	367,232	Nil	Nil	Nil	41.85	Nil	Nil	Nil	153,68,610	Nil	Nil
11 " Brake-vans	308,515	Nil	Nil	Nil	6.85	Nil	Nil	Nil	2,113,320	Nil	Nil
12 Total coaching, ton mileage	Nil	Nil	Nil	Nil	Nil	Nil	Nil	508,919	52,926,437	Nil	57,985,610
GOODS—											
13 Goods vehicles	1,970,537	337,651	Nil	3.078	5.66	8.738	5.225	337,651	6,209,321	6,546,972	Nil
14 Cattle vans	1,992,014	121,041	Nil	0.919	6.05	6.969	13.187	121,041	1,205,180	1,326,221	Nil
15 Mineral trucks	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
16 Total	6,974,111	Nil	Nil	Nil	Nil	Nil	Nil	337,651	7,414,501	7,752,193	Nil
17 Goods engines and tenders	123,973	Nil	Nil	Nil	41.85	Nil	Nil	Nil	2,981,361	Nil	Nil
18 " Brake-vans	571,304	Nil	Nil	Nil	8.25	Nil	Nil	Nil	4,878,221	Nil	Nil
19 Total goods, ton mileage	Nil	Nil	Nil	Nil	Nil	Nil	Nil	337,651	97,990,221	Nil	100,868,474
MISCELLANEOUS (FOR STORES CARRIED FREE ON REVENUE ACCOUNT)											
20 For traffic department	19,776	162,003	Nil	0.518	6.58	7.096	7.27	10,202	130,126	140,328	Nil
21 " Maintenance	180,925	84,131	Nil	1.716	6.58	11.299	21.76	85,383	1,190,481	2,044,315	Nil
22 Total	325,730	148,396	Nil	4.354	6.00	10.354	22.05	148,381	1,954,380	2,184,643	Nil
23 Engines and tenders	518,797	Nil	Nil	Nil	40.59	Nil	Nil	Nil	2,105,769	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	101,241	5,380,756	Nil	6,392,173
27 Total ton mileage	Nil	Nil	Nil	Nil	Nil	Nil	Nil	337,651	106,297,414	Nil	106,635,587

* Assumed for freight.

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

	Rs.
Maintenance expenses (Statement No. VIII. of the Revenue Account)	8,05,125
Reduced by amount credited for sale of Revenue stores (Abstract K. of Revenue Account)	3,11
Do. <i>Revenue of Drilling Houses</i>	3,11
Net Amount	7,73,496
Locomotive expenses (Statement No. VIII. of the Revenue Account)	741,614
Reduced by credit for hire of Locomotives	163
" " for haulage of foreign trains	835
" " for sale of Locomotive stores	2998
" " for profits of Workshops	2998
Net Amount	738,616
Carriage and wagon expenses	206,937
Reduced by credit for mileage of vehicles	14,701
Do. Do. use of joint stations	19,526
Do. Do. sale of stores	2,555
Net Amount	283,639
General Charges	227,151
Reduced by Telegraph Receipts	14,800
Do. Person shares & transfers	1426
Do. sale of stores	326
Net Amount	210,599
Special Miscellaneous Expenditure	7622
Reduced by credit for unclaimed & damaged goods sold	108
Net Amount	7514

Division of Expenses.

	(a)	(b)	(c)	(d)	(e)	(f)	TOTAL.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Expenses as reduced above	773,496	738,616	206,937	283,639	210,599	7514	22,20,801
Due to coaching	236,229	251,239	76,195	92,020	71,635	2,556	7,29,874
" to goods	537,267	487,377	130,742	191,619	138,964	4,958	14,90,927

P.W.D.
25 OCT 76
N^o 7708

Gle 28 October 1876 No 2881

N^o 1500 dated 17 June 1876. *P.W. Dept*

Proceedings of the Indian Government
Read the following.

From
The Gov^t of India (L.R. N^o 6-7 A-1 28 June 1876)
Print-

It is understood
that the conference
ordered in Government
Order N^o 3251 of the
13th November last to be
held at the Revenue
Board

Board Office has
terminated its sittings
and the report is
awaited and should
be submitted with
as little delay as
possible. In the
meantime the following
letter will be addressed
to the Government
of India.

N-275-276

B. of Gen. ✓ 15
Rev. Dept. ✓ 8
Chf. Engr. ✓ 5
Com. to P.W.D. ✓ 5
Office 47
Oct 20/76

N-1501 d/17 June 1876
To

The Secretary to the
Government of India
P.W.D.

Sir,

With reference to the
Order N-6-7 A.I. dated 11th
January 1876 of the Govern-
ment of India, I am direct-
ed to state that this Govern-
ment is making the most
earnest efforts to meet the
requirements of the Secretary
of State, and that with this
object one of the best Revenue
Officers has been selected to
work up the information need-
ed, in conjunction with the
^{Superintendent}
Controller of Public Works
Accounts - I am to add
that all that is possible will
be done to ensure the comple-
tion

tion of this work as soon as possible.

by 16/2

[Signature]

[Faint handwritten notes]

54
2

No 277

No 1500-1101

No 1866 of 24 July/76.

Communicated to the Consulting Engineer for Railways with reference to No 1340 of 30 May/76

The sanction accorded by the Govt of India has been registered as Railway No 5 W of 1876-77

To the Engineer, Mys.
Per. By. Accts.

Secd 4/8/76

8030-5-76 No 1340 & 1341

No 384/88

P. W. 1876 Sept
No 5220

From
Govt of India

Recd: 22 } July 1876
Dated: 14

Encls: 2
No 1807 R

Sanctioning two Indents aggregating Rs: 4,74,281. for wrought iron rails, cast iron pot-sleepers & wrought iron tie-bars required for the Madras Railway.

5220 CH

Govt. of 1876 Madras
PUBLIC WORKS.

To

The Com^r Eng^r for P.

Dated

Issued

Recd

For

G. O. 21 July 1876 No 1866

Nos 387 + 388

Eng^r for P.
5-8-76

Wrought iron rails, Cast
iron pot sleepers & wrought
iron tie bars required
for the Madras R.

Letter from the Govt.
of India sanctioning
two Indent to aggregating
Rs-474 281 for —
Cons to the Com^r Eng^r for P.