

(1) Number of pages 7

(2) Date of repair 15-7-1972

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public works DEPARTMENT.

G.O. No. 399-400	Press Mis:
184-86	
Dated 10. 2	1872.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
10th February 1872.*

No. 184. Read the following letter from the Deputy Consulting Engineer for Railways, to the Secretary to Government, Public Works Department, dated Madras, 3rd February 1872, No. 60:—

I HAVE the honour to request that you will be good enough to substitute the accompanying revised forms* for those forwarded with my letter No. 542, dated 9th December 1871. They relate to the Revenue Analysis of the Madras Railway for the half-year ended the 30th June 1871, and have only now been received from the Agent.

* Table E I.
" E II.
" F I.

Embodied in G. O., No. 199, dated 22nd January 1872.

TABLE E. I.
Maintenance of Way.

RAILS.

No.	Details.	DOUBLE HEADED.				BRIDGE.				DOUBLE HEADED.				Total.		
		65 lbs.		75 lbs.		Bridge.		84 lbs.		Steel, 75 lbs.						
		M.	CH.	FT.	M.	CH.	FT.	M.	CH.	FT.	M.	CH.	FT.	M.	CH.	FT.
1.	Miles of rail in way including sidings	661	29	16	957	71	63	0	13	53	140	64	22	64	0	4
2.	Average age of rails in way at the middle of the half year	8	2	10	5	4	21	5	1	15	114	0	17	1	11	25
3.	Ratio inverted	1,426	5	33	8	25	24	.....	.....	.....	0	34	36	.....	.....	.....
4.	Proportion inverted per mile of (1) rail	0.003	0.003	0.003	0.003	0.003	0.003	.....	.....	.....	0.003	.....	.....	.....	.....	.....
5.	Ratio renewed	829	3	11	14	3	31	54	.....	.....	256	0	77	33	0	1
6.	Proportion renewed per mile of (1) rail	0.004	0.004	0.004	0.004	0.004	0.004	.....	.....	.....	0.006	0.006	.....	.....	.....	.....
7.	Average number of tons hauled over each kind of rail in the half year	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
8.	Thousandths of tons hauled on an average over each kind of rail during the average age of rails in way (1)															

This information will be furnished in future.

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TABLE E. II.

Maintenance of Way.

SLEEPERS.

No.	Details.	WOOD.										Iron Rails, 84 lbs.						
		T.E.S.					J.C.S.R.					10' X 9' X 5"	10' X 12' X 6"					
		10' X 10' X 8"	10' X 12' X 6"	12' X 12' X 6"	15' X 12' X 6"	16' X 12' X 6"	10' X 9' X 5"	10' X 10' X 5"	10' X 12' X 6"									
1.	Number of sleepers in way including savings	10,954	837	4,850	340	301	65,650	205,470	635	24,57,433								
2.	Average age of sleepers in way at the middle of the half-year	5	4	3	6	8	5	3	5	Y. M. D.	Y. M. D.	Y. M. D.						
3.	Number renewed	556	4	10	23	1	1	8	0	2	11	13	0	6	0	5	3	27
4.	Do. per cent. of (1)	5.07								1,877	14,933					11,850		
										2.65	7.29					0.48		

Proceedings of the Madras Government, Public Works Department,
10th February 1872.

TABLE F. I.

Locomotive Power.

REFERENCE TO REVENUE ACCOUNT.		Description.	Passenger.	Goods.	Tank.	Total.
Table and main head.	Sub-head.					
		Wheels coupled	2	104	10	114
		Do. not coupled			10	10
		Locomotives.				
		Weight on driving axles.				
		Class.				
		1st	14	10.18	8.74	
		2nd		11.98	13.25	
		3rd		12.0		
		4th		12.15		
		5th		12.35		
		6th		12.35		
		Total weight in steam exclusive of tender.				
		1st	24.75	27.48	24.95	
		2nd		27.01	27.06	
		3rd		27.3		
		4th		34.4		
		5th		27.55		
		6th		31.35		
		1.—Number of locomotives erected and made over to Locomotive Department	2	104	20	126
		2.—Average number of locomotives constantly under repairs	1	15	4	20
		3.—Average number of locomotives at work		57	4	61
		4.—Total miles hauled by each class of locomotives at work.				
		Class				
		1st	Nil.	113,687	63,036	176,723
		2nd		181,936	13,416	195,352
		3rd		25,658		25,658
		4th		296,020		296,020
		5th		231,530		231,530
		6th		193,531		193,531
		5.—Average number of miles hauled by each locomotive at work—				
		Per half-year		10,636	5,461	16,097
		Per day		101	104	205
		6.—Average speed between stations of trains.				
		Passengers				24
		Goods				15½
		Mixed				18
		7.—Average through speed of trains.				23
		Passengers				14½
		Goods				16½
		Mixed				
		8.—Weight of coal, etc., used per running mile		25.73	9.07	
		9.—Weight of wood used per running mile		80.49	5.19	
		10.—Average gross weight of the trains hauled by each class of locomotive				TONS. 179.52

* The Tank Engines burned coke and coal exclusively during this half-year, the wood shown as used by them was for lighting purposes only.

(Signed) C. J. SMITH, Captain, R.E.,
Deputy Consulting Engineer for Railways.

*Proceedings of the Madras Government, Public Works Department,
10th February 1872.*

No. 185. ORDER THEREON, 10th February 1872, No. 399.

RAILWAY, No. 17.

ORDERED that these forms be
forwarded to the Government of India
to be substituted for those forwarded

with docket No. 200, dated 22nd January 1872.

(True Extract.)

(Signed) J. CARPENDALE, Colonel, R.E.,
Secretary to Government.

No. 186. (DOCKET No. 400, dated 10th February 1872.)

COPY of the above forwarded to the Government of India.

(True Extract.)

Colonel, R.E.,
Secretary to Government.

Railway Department

Consulting Engineer's Office

No. 60

3

From Capt. C. J. Smith R.E.

to Deputy Commr. Engg. Dept.

Colonel J. Carpendale R.E.

Secretary to Government

Public Works Dept.

Per Mr. [unclear]

I have the honour
to request that you will be good
enough to substitute the accompa-
=nying revised forms for those
forwarded with my letter No. 547,
dated 9th December 1871. They
relate to the Revenue Analysis
of the Madras Railway for the
half-year ended the 30th June
1871 and have only now been

* Table E.I
" E.II
" E.I

Embodied in
G.O. No. 1997
22nd January 1872.

1871

in 1820.
1820.
1820.

	Details	Teak	Wood	Surge	Iron
1. Number of ships in way	107	107	107	107	107
2. including balance	107	107	107	107	107
3. Average age of ships in way at the middle of the half year	5.8.3	5.8.3	5.8.3	5.8.3	5.8.3
4. Number renewed	556	556	556	556	556
5. D: percent of (1)	5.07	5.07	5.07	5.07	5.07

Table F-I. Locomotive Power.

References to Revenue Account		Description	Passenger	Freight	Tank	Total
Light & Main	Sub					
		Wheels Coupled		104	10	114
		Weight on driving axle.	1	104	10	114
			2			
			3			
			4			
			5			
			6			
		Total Weight in steam section of Tenders.				
			1			
			2			
			3			
			4			
			5			
			6			

Locomotives

- Number of Locomotives erected and made over to Locomotive Department.
- Average number of Locomotives constantly under repairs.
- Average number of Locomotives at work.
- Total miles hauled by each class of Locomotives at work.

2	104	10	114
1	104	10	114
1	104	10	114
1	104	10	114

1	104	10	114
2	104	10	114
3	104	10	114
4	104	10	114
5	104	10	114
6	104	10	114

- Average number of miles hauled by each Locomotive at work.
- Per half year.
- Per day.

104	10	114
104	10	114
104	10	114

- Average speed between stations of Trains.
- Average through speed of Trains.

104	10	114
104	10	114
104	10	114

Table F-I. (continued)

5

Description	Passenger	Freight	Tank	Total
Weight of Coal used for painting mile		25.72	9.97	
Weight of Wood used for painting mile		80.09	5.19	
Average gross weight of the trains hauled by each class of Locomotives.				179.52

The Tank Engines burned coke & coal exclusively during this half-year, the Wood shown as used by them was for lighting purposes only.

W. Smith

Captain, Q.E.

By. Cons. Engineer for Railways.

(Number) . I - T . Mm.

State - date - name -

and (name)

Page 1000
Page 1000

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Pro 22 January 1911

P. W. 1872 Dept.
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to the 1st of June to be substituted for the
to the 1st of June to be substituted for the
to the 1st of June to be substituted for the

Do to 3rd July 1872
No 60

Requesting
to substitute the
enclosed form for
the one sent previously

No 399-400-10 July 1911
With an order

Choo

Govt. of Madras

PUBLIC WORKS.

To the Hon. Consulting Engineer
for Railways
And
To the Secretary to the
Govt. of Madras
Encl.

G. 10 Feby 1877-40

Nos. 12, 13 & 14

Revenue Analysis. 1871

Orders in letter from the
Engineering for Mys. for forwarding
Substituted to these Revenue Analysis
Revenue Analysis of the

Madras Ry for the first
half of 1871.

Forward for Revenue
Analysis for the first
half of 1871.
Submitted Revenue
Analysis of the Madras
Ry for the first half
of 1871.

1871