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MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No.	1870	Press Mis.
Dated	1870	

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
1st August 1870.*

No. 6 Read the following Circular from the Government of India, Public Works Department, (Establishment—Railway,) dated Simla, 4th July 1870, No. 37 —

Read—

Returns of Casualties among the European and East Indian employés on Railways during the second half of 1869.

RESOLUTION.—The average number of European and East Indian servants employed on the different railways in the second half of 1869 was 5,276. The casualties by death were 71, by resignation and discharge 506, and by dismissal on account of faults 334. Of the latter 163 were dismissed from the Locomotive and Carriage Departments, and 112 from the Traffic Department. Taking the three largest railways, 21 of the East Indian Company's servants died, 200 were discharged, and 178 were dismissed out of a total staff of 2,220. On the Great Indian Peninsula 27 died, 81 were discharged, and 44 were dismissed out of a total staff of 1,043. On the Madras Railway 9 died, 32 were discharged, and 20 were dismissed out of a total of 676. During the whole year 1869, the total casualties throughout India were 37 per cent. of the staff. Exclusive of deaths the total percentage for the Madras Presidency was 16 per cent, for the Bombay Presidency 31 per cent, and for the Bengal Presidency 40 per cent of the respective staff.

2. If dealt with as mere averages, these percentages would indicate a renewal of the whole staff of Indian Railways in every $2\frac{1}{2}$ years. But in these returns the servants of all classes are shown together for each department, and an imperfect view of the service of the staff is thus presented, a hasty generalization from which might lead to an erroneous conclusion, for doubtless the same degree of change does not pervade all ranks of any department. To make the returns more perfect it is essential that a record should be furnished of the number of casualties in each main class of employés. It has been previously reported that in Bengal the casualties occur chiefly among the men who are engaged in this country, and not among those who come out under covenant from England, and it is probable that this is true for other parts of India. But the effect of applying this consideration to the above figures would be to make the number of casualties among those engaged in India show a still more unfavourable percentage of their total number.

3 To admit of a right discrimination being exercised in this respect, it is desirable that future returns should exhibit the number of men engaged in India and England, respectively, also of those employed on duties on the due performance of which the safety of the travelling public depends, separately from other servants; for if it be found that amongst the former there is an undue proportion of men engaged in India, the necessity may be established for taking steps whereby this source of recruits shall be avoided. In elucidation, therefore, of the figures in future returns including those for the half year now drawing to its close, the deaths,

Proceedings of the Madras Government, Public Works Department,
1st August 1870.

discharges, and dismissals in the Traffic and Locomotive Departments should be sub-divided into two heads as shown below—

	TRAFFIC DEPARTMENT								LOCOMOTIVE DEPARTMENT							
	STATION MASTERS, GUARDS, ASSISTANT GUARDS, AND ALL ENGAGED IN WORKING TRAINS				OTHERS				DRIVERS, FIREMEN, PILOTMEN, AND ALL WORKING ON MOVING ENGINES				OTHERS			
	Average number employed		Number of casualties		Average number employed		Number of casualties		Average number employed		Number of casualties		Average number employed		Number of casualties	
	Europeans	East Indians	Europeans	East Indians	Europeans	East Indians	Europeans	East Indians	Europeans	East Indians	Europeans	East Indians	Europeans	East Indians	Europeans	East Indians
Employed in England																
Died	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Discharged and resigned	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dismissed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Employed in India																
Died	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Discharged and resigned	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dismissed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Grand Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

ORDER.—Ordered that this Resolution, together with copies of the returns, be communicated to the Governments and Administration noted in the margin, for information and guidance. Also to the Secretary of State for information.

Madras
Bombay
Bengal

North-Western Provinces,
Punjab,
Oudh

(Signed) E. C. S. WILLIAMS, Major, R. E.,
Deputy Secretary.

To the Secretary to the Government of Madras.

Proceedings of the Madras Government, Public Works Department,
1st August 1870.

Numerical Return of Casualties whether by death, resignation, or discharge, amongst the European and East Indian employes on Railways in India, during the half-year ending 31st December 1869.

No 1

DESCRIPTION	DEPARTMENTS												REMARKS		
	GENERAL		TRAFFIC.		LOCOMOTIVE AND CARRIAGE.		ENGINEER.		ELECTRIC TELEGRAPH		STORES			TOTAL.	
	Europeans.	East Indians	Europeans	East Indians	Europeans	East Indians	Europeans	East Indians	Europeans.	East Indians	Europeans	East Indians		Europeans	East Indians
MADRAS.															
Died	1	1	1	1	3	10	2	1	1	1	1	1	12	20	3*
Resigned and discharged	1	1	1	1	10	3	1	1	2	2	1	1	12	8	
Dismissed	1	1	1	1	11	11	4	1	1	1	1	1	12	31	
Total ..	1	1	1	1	24	24	4	4	6	3	1	1	30	31	
GREAT SOUTHERN OF INDIA.															
Died	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Resigned and discharged	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Dismissed	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Total	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
INDIAN TRAMWAY.															
Died	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Resigned and discharged	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Dismissed	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Total...	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

* All from natural causes

Proceedings of the Madras Government, Public Works Department,
1st August 1870.

DESCRIPTION	DEPARTMENTS														REMARKS.
	GENERAL.		TRAFFIC		LOCOMOTIVE AND CARRIAGE		ENGINEER		ELECTRIC TELEGRAPH		STORES		TOTAL		
	Europeans.	East Indians.	Europeans	East Indians	Europeans.	East Indians	Europeans	East Indians	Europeans	East Indians	Europeans	East Indians	Europeans	East Indians	
GREAT INDIAN PENINSULA															
Died			12	2	5	1	7							24	8
Resigned and discharged			13	6	32	9	14							62	19
Dismissed	3	2	12	5	7	1	13							33	11
Total...	3	4	37	13	44	11	34							119	33
BOMBAY, BARODA, AND CENTRAL INDIA															
Died															
Resigned and discharged															
Dismissed															
Total ..	1.		6	10	19	50	9	3						35	63
SINDH.															
Died															
Resigned and discharged															
Dismissed															
Total	1	1			2	1	2							3	4

* Telegraph included in traffic

Proceedings of the Madras Government, Public Works Department,
1st August 1870.

INDUS STEAM FLOTHILA																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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No 1 — (Concluded)

DESCRIPTION	DEPARTMENTS														REMARKS
	GENERAL		TRAFFIC.		LOCOMOTIVE AND CARRIAGE.		ENGINEER		ELECTRIC TELEGRAPH		STORES		TOTAL		
	Europeans	East Indians	Europeans	East Indians.	Europeans	East Indians	Europeans	East Indians	Europeans	East Indians	Europeans	East Indians	Europeans	East Indians	
PUNJAB AND DELHI															
Died															
Resigned and discharged	9		6	5	11	1	1	3	6	1	1		1	7	
Dismissed	8		19	5	24	2	3				2		53	7	
Total	17	25	25	10	35	3	7		6	1	3		93	14	
Total, MADRAS RAILWAYS															
Died		2	1	1	3		2	1					6	4	
Resigned and discharged	3	1	9	11	10	1	1	2		1		1	15	25	
Dismissed				2	12	4	1	2		2			13	10	
Total	3	3	1	12	20	14	4	6		3		1	31	29	
Total, BOMBAY RAILWAYS															
Died															
Resigned and discharged	4	3	13	2	6	2	10	2				1	29	7	
Dismissed	3	3	14	9	52	59	24	4		2		1	97	81	
Total	7	6	44	23	65	62	49	9	1	2		2	166	104	

*
Total. BENGAL RAILWAYS

Total, BENGAL RAILWAYS													
Died	1	2	1	14	..	7	6	7	1	...	2	24	1
Resigned and discharged	16	35	19	123	41	31			6		1	213	75
Dismissed	9	67	20	120	19	7	4			2	1	205	50
Total	26	104	40	257	60	45	10	7	7	3	3	442	126
Total, INDIAN RAILWAYS													
Died	1	2	4	23	2	19	3	...	..	1	4	1	59
Resigned and discharged	23	10	40	186	110	56	13	7	4	1	4	325	181
Dismissed	12	3	31	139	24	23	9	1	8	2	1	253	76
Total ..	36	15	75	318	136	99	25	8	12	3	6	642	269

Proceedings of the Madras Government, Public Works Department,
1st August 1870.

General Abstract of Casualties, whether by death, resignation, and discharge, or dismissal amongst the European and East Indian employees on Railways in India, during the second half of 1869

No 2.

RAILWAYS	GENERAL DEPARTMENT		TRAFFIC DEPARTMENT		LOCOMOTIVE DEPARTMENT		ENGINEER DEPARTMENT		ELECTRIC TELEGRAPH DEPARTMENT		STORES DEPARTMENT		TOTAL CASUALTIES OF ALL KINDS		TOTAL CASUALTIES BY DEATH		AVERAGE NO OF SERVANTS		LENGTH IN MILES		REMARKS
	Europeans	East Indians	Europeans	East Indians	Europeans	East Indians	Europeans	East Indians	Europeans	East Indians	Europeans	East Indians	Europeans	East Indians	Europeans	East Indians	Open	Under construction			
Madras Great Southern of India Indian Railway	1	1	7	21	13	4	6	3	1	1	39	01	01	00	27	419	707	126	* All from natural causes		
Total, Madras	3	3	13	26	14	4	6	3	1	1	34	39	01	00	27	419	707	126			
Great Indian Peninsula Bombay, Baroda, and Central India	3	4	37	13	44	11	34	3	1	1	119	83	24	8	808	235	872	401			
Sindh	1	6	10	19	60	9	3	3	1	1	35	65	1	3	179	106	306	.			
Indus Steam Flotilla	3	1	1	2	1	6	1	1			9	2	2	1	44	47	109	.			
Total, Bombay	7	6	44	23	65	14	9	1	3	2	166	101	29	7	1,048	406	1,237	102			
East Indian Eastern Bengal Calcutta and South East Orissa and Rohilkhand Punjab and Delhi	7	6	69	27	104	57	15	4	6	3	206	103	20	1	1,553	645	1,852	148			
	1	7	7	1	10	9	3	3			27	4	3	.	153	12	112	45			
	1	1	2	4	.	5	8	.		5	21	6	1		21	7	28	.			
	17	25	10	35	3	7	6	1	3	21	93	14	1		114	45	42	446			
										93	14	1			1396	517	31	81	† Includes East Indians		
Total, Bengal	26	6	104	40	257	60	45	10	7	8	412	126	24	1	2,239	759	2,051	679			
Total, India	36	15	149	75	818	196	98	25	8	13	642	269	59	12	3,596	1,080	4,232	1,197			

Proceedings of the Madras Government, Public Works Department,
1st August 1870.

Table showing the percentage of Casualties by death, resignation, and discharge, or dismissal amongst the European and East Indian employees on Railways in India, for the second half of 1869

RAILWAYS	PERCENTAGE OF CASUALTIES BY DEATH				PERCENTAGE OF CASUALTIES BY RESIGNATION AND DISCHARGE				PERCENTAGE OF CASUALTIES BY DISMISSAL				PERCENTAGE OF CASUALTIES OF ALL KINDS			
	EUROPEANS		EAST INDIANS		EUROPEANS		EAST INDIANS		EUROPEANS		EAST INDIANS		EUROPEANS		EAST INDIANS	
	Traffic	Locomotive	Total, or all depart-ments together	Locomotive	Traffic	Locomotive	Total, or all depart-ments together	Locomotive	Traffic	Locomotive	Total, or all depart-ments together	Locomotive	Traffic	Locomotive	Total, or all depart-ments together	Locomotive
Madras Great Southern of India Indian Railway	0.4	1.3	2.6	0.9	0.7	1.6	0.8	0.8	0.4	1.1	2.2	0.5	0.4	1.0	2.0	0.6
Total, Madras	0.4	1.1	2.2	0.2	0.8	1.7	0.9	0.9	0.5	0.8	1.5	0.4	0.4	0.9	1.3	0.6
Great Indian Peninsula Bombay, Baroda, and Central India	1.5	0.6	3.0	0.9	0.4	1.3	0.8	0.8	0.4	1.6	2.6	0.9	1.5	0.9	2.4	0.8
Sindh	1.8	1.8	3.5	0.9	0.9	1.8	0.9	0.9	0.9	1.8	3.5	0.9	1.8	1.8	3.5	0.9
Indus Flotilla																
Total, Bombay	1.3	0.6	2.7	0.5	0.5	1.7	0.8	0.8	0.5	1.6	2.6	0.9	1.3	0.9	2.4	0.8
East Indian	0.1	0.8	1.3	0.2	0.2	1.5	0.8	0.8	0.2	1.6	2.6	0.9	1.5	0.9	2.4	0.8
East India Bengal																
Calcutta and South Eastern																
Orissa and Rohilkhand																
Punjab and Delhi																
Total, Bengal	0.1	0.6	1.1	0.1	0.1	1.8	0.8	0.8	0.1	1.8	2.6	0.9	0.3	0.9	2.4	0.8
Total, India	0.4	0.6	1.6	0.2	0.7	1.6	0.9	0.9	0.5	1.6	2.6	0.9	1.3	0.9	2.4	0.8

Note.—The Traffic and Locomotive Departments only are shown separately in this table, as the larger part of the employees is engaged in these departments, and the risks to which they are exposed are greater than in other departments.
* The European and East Indian employees on the Punjab and Delhi Railways are shown together under "Europeans"

*Proceedings of the Madras Government, Public Works Department,
1st August 1870.*

No. 7. ORDER THEREON, 1st August 1870, No. 1,832.

RAILWAY, No. 1.

COMMUNICATED to the Acting Consulting Engineer for Railways for information and guidance in the preparation of future returns.

(True Extract.)

Colonel, R. E.,
Secretary to Government

To the Acting Consulting Engineer for Railways

Exd. E. C. Shunker.

Public Works 1870 Department

GOVERNMENT OF INDIA

PUBLIC WORKS DEPARTMENT.

ESTABLISHMENT

Railway.

To

CIRCULAR No. 37 PUBLIC WORKS.

Dated Simla, 4th July 1870.

Received 18th Aug 1870

Enclos. One

N^o 1832

For information and guidance in the preparation of future Returns

Returns of Casualties among servants
of Guaranteed Railway Companies during
the second half of 1869.

With an order.

Recd 3/8/70.

For info - 1st Aug 1870

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[Signature]

1/2 2778.
Govt. of Madras.

PUBLIC WORKS.

The Apportioning Comrs
for Railways

Date

Recd

23. /

6th Aug. 1832, No. 1832

Nos. 6-7

Exemptions (Railway)
Circular from the Govt. of Madras
forwarding a Resolution to
effect with copies of Returns of
Exemptions among servants of
Chartered Railway Com-
panies from the Second
half of 1832, Commenced
the 1st of July for Railways with
instructions.