6323.

Govt. of 18 Madras.

PUBLIC WORKS.

Dated

Recd. Encl.

G.O., 11th July 1890 No. 997 R.

Mr. J. D'Vine
Chief Engr
R Ry.

The part of a patinity
of 6 months pay to —
sanctioned.

Madras Railway Company.

ESTABLISHMENT ESTIMATES

FOR THE

Half-Year ending 31st December, 1890.

VEST AND COMPANY, PRINTERS, MOUNT ROAD, MADRAS.

Index to the Estimates for the Half-year ending 31st December, 1890.

Nature of Estimate.	Page.
Agent and Manager's Department, Establishment, &c.	2
Chief Auditor's do do	4 to 9
General Stores do do	10
Medical do do	12
Police do do	14
Electric Telegraph Department do	16
General and Miscellaneous Charges	18
General Charges Abstract **E**	20
Special and Miscellaneous Expenditure, Abstract **G**	22
Engineer's Department, Establishment	24 to 27
Do do Location of Employés	28
Do do Maintenance, 1st Division, South-West Line ...	30
Do do do 2nd do do	32
Do do do 3rd do do	34
Do do do 4th do do	36
Do do do 1st do North-West Line ...	38
Do do do 2nd do do	40
Do do Abstract of Estimates	42
Do do Abstract **A**	44
Locomotive Department, Establishment and Stores	46 to 49
Do Accounts do	50
Do Department Estimate of the Cost of Repairs and Renewals of Coaching and Goods Vehicles	52
Do do Abstract **B**	54
Do do do **C**	56
Do do Rates of Wages (Perambur Works)	58
Traffic Department, Establishment and Stores	60 to 65
Do do Statement of Allowances	66
Do do Location of Employés	68 to 73
Electric Telegraph Department, Traffic	64
Railway Schools	74
Summary of Cost of Working	76
Summary of Estimates	78
Regulations for Furlough, Sick Leave and Privilege Leave	80
Batta Scale	82

MADRAS RAILWAY.

Agent and Manager's Department.

ABSTRACT E.

Proposed Establishment for the Half-year ending 31st December, 1890.

PARTICULARS.	Actuals for Half-year ended 31st Dec., 1889.				Sanctions for Half-year ending 30th June, 1890.		Proposed for the Half-year ending 31st Dec., 1890.			
	Number of each grade.	Maximum rate of salary.	Total Amount per mensem.	Total for the Half-year.	Number.	Total for the Half-year.	Number of each grade.	Maximum rate of salary.	Total Amount per mensem.	Total for the Half-year.
		Rs.	Rs.	Rs.		Rs.		Rs.	Rs.	Rs.
Agent and Manager...	1	2,000	...	10,645	1	5,455	1	2,000	909	5,455
Acting do	...	...	...	1,232	...	10,908	...	...	1,000	10,908
Assistant do	1	773	...	2,318	1	3,478	1	773	818 386	3,478
Acting Asst. do	...	...	614	3,682	...	1,841	...	...	...	1,841
Chief Clerk	1	175	175	1,050	1	1,050	1	250	200	*a* 1,200
Clerks (under Rs. 100)	16	75	...	3,659	16	3,960	16	75	660	3,960
Binder	1	8	8	45	1	60	1	10	10	60
Peons	9	10	...	414	9	426	9	10	71	426
Office Servants	3	6	...	66	3	78	3	6	13	78
Library Peons, &c.	4	7	...	168	4	168	4	7	28	168
Travelling Allowances	...	...	...	720	...	880	...	...	...	360
Fixed Allowance of Acting Agent and Manager	...	...	...	...	...	630	...	...	...	630
Total...	36	...	...	23,999	36	28,934	36	...	...	28,564
Contingencies	...	...	...	884	...	2,000	...	...	...	2,000
Stationery	...	...	...	638	...	500	...	...	...	500
Total...	...	...	...	1,522	...	2,500	...	...	...	2,500
Grand Total...	36	...	...	25,521	36	31,434	36	...	...	31,064

MADRAS, 1st *May*, 1890.

(Signed) F. H. TREVITHICK,

Ag. Agent and Manager.

REMARKS.

a. Increase of salary.

MADRAS RAILWAY.

Chief Auditor's Department.

ABSTRACT E.

Proposed Establishment for the Half-year ending 31st December, 1890.

PARTICULARS.	Actuals for Half-year ended 31st December, 1889.				Sanctions for Half-year ending 30th June, 1890.		Proposed for the Half-year ending 31st December, 1890.			
	Number of each grade.	Maximum rate of salary.	Total Amount per mensem.	Total for the Half-year.	Number.	Total for the Half-year.	Number of each grade.	Maximum rate of salary.	Total Amount per mensem.	Total for the Half-year.
		Rs.	Rs.	Rs.		Rs.		Rs.	Rs.	Rs.
Superintendence.										
Chief Auditor	1	1,200	...	*a* 4,819	1	7,200	1	1,200	600	*b* 3,600
Acting do	...	...	...	...	...	...	1	...	950	5,700
1st Assistant Auditor ...	1	700	...	2,810	1	4,200	...	...	...	...
Total...	2	...	...	7,629	2	11,400	2	...	...	9,300
General Audit & Accounts.										
Asst. Auditor	1	...	...	581	1	1,500	1	...	250	1,500
Accountant	1	...	150	*c* 900	1	1,500	1	...	250	1,500
Special Allowance	...	...	100	600	...	...	...	...	...	...
Head Clerk	1	...	150	900	1	1,050	1	...	175	1,050
Clerk	1	...	100	600	1	600	1	...	100	600
Clerks (under Rs. 100) ...	33	...	1,135	6,811	34	6,991	34	99	1,165	6,991
Office Servants	14	...	95	569	14	585	14	10	98	585
Total...	51	...	...	10,961	52	12,226	52	...	...	12,226
Traffic & Travelling Audit.										
Asst. Auditor	1	...	...	3,651	1	3,300	1	550	550	3,300
Do. Allowance ...	...	...	...	...	...	...	...	...	75	*d* 450
Asst. Auditor	1	...	...	2,272	1	2,400	1	400	400	2,400
Do. Allowance ..	...	...	...	...	...	...	...	...	75	*d* 450
Chief Travelling Inspector ... / Do. Personal Allowance ...	1	...	...	1,052	1	1,800 / 450	*e* ... / ...	... / ...	... / ...	... / ...
Travelling Auditor ...	1	200	200	1,200	1	1,200	1	200	200	1,200
Do. do. ...	2	150	290	1,740	2	1,800	2	150	300	1,800
Do. do. ...	2	120	220	1,320	2	1,500	2	125	250	1,500
Do. do. ...	1	100	90	540	1	600	1	100	100	600
Clerk	1	...	150	900	1	900	1	...	150	900
Do.	1	...	110	660	1	660	1	...	110	660
Clerks (under Rs. 100) ...	142	99	2,607	15,723	142	15,834	149	99	2,724	*f* 16,344
Office Servants	13	8	82	492	13	492	13	10	82	492
Total...	166	...	...	29,550	166	30,936	172	...	...	30,096
Carried over...	219	...	...	48,140	220	54,562	226	...	...	51,622

REMARKS.

a. Moiety of salary drawn by Ag. Chief Auditor from 1st July to 6th October 1889.

b. On furlough draws half pay.

c. Travelling Auditor transferred to grade of Accountant, *vide* G. O., No. 34 R., dated 11-1-90.

d. *Vide* C.E. letter, No. 427, dated 14-5-90.

e. Acting Cashier—salary provided in that Branch.

f. Development of Traffic since last increase to Staff in January 1886.

MADRAS RAILWAY.

Chief Auditor's Department.—(*continued*).

ABSTRACT E.

Proposed Establishment for the Half-year ending 31*st December*, 1890.

PARTICULARS.	Actuals for Half-year ended 31st Dec., 1889.				Sanctions for Half-year ending 30th June 1890.		Proposed for the Half-year ending 31st Dec., 1890.				REMARKS.
	Number of each grade.	Maximum rate of salary.	Total Amount per mensem.	Total for the Half-year.	Number.	Total for the Half-year.	Number of each grade.	Maximum rate of salary.	Total Amount per mensem.	Total for the Half-year.	
		Rs.	Rs.	Rs.		Rs.		Rs.	Rs.	Rs.	
Brought forward...	219	...	...	48,140	220	54,562	226	...	...	51,622	
Store Audit.											
Store Auditor	1	...	...	1,688	1	2,100	1	350	350	2,100	
Stock-takers	14	...	368	2,209	14	2,300	14	60	383	2,300	
Office Servants	1	...	7	42	1	42	1	7	7	42	
Total...	16	...	...	3,939	16	4,442	16	...	...	4,442	
Locomotive Accounts.											
Superintendence.											
Locomotive Accountant ...	1	...	...	2,355	1	2,550	1	425	425	2,550	
Allowances, &c.											
Travelling	...	...	...	2,231	...	2,010	...	...	...	*g* 2,300	*g*. To meet actual expenditure.
Rent	...	...	...	48	...	60	...	...	...	60	
Total...	...	...	...	2,279	...	2,070	...	...	...	2,360	
Contingencies	...	...	...	358	...	350	...	...	...	350	
Stationery	...	...	...	2,856	...	2,950	...	...	...	2,950	
Total...	...	...	...	3,214	...	3,300	...	...	...	3,300	
Carried over...	236	...	...	59,927	237	66,924	243	...	...	64,274	

MADRAS RAILWAY.

Chief Auditor's Department.—*(concluded).*

ABSTRACT E.

Proposed Establishment for the Half-year ending 31st December, 1890.

PARTICULARS.	Actuals for the Half-year ended 31st Dec., 1889.				Sanctions for Half-year ending 30th June, 1890.		Proposed for the Half-year ending 31st December, 1890.			
	Number of each grade.	Maximum rate of salary.	Total Amount per mensem.	Total for the Half-year.	Number.	Total for the Half-year.	Number of each grade.	Maximum rate of salary.	Total Amount per mensem.	Total for the Half-year.
		Rs.	Rs.	Rs.		Rs.		Rs.	Rs.	Rs.
Brought forward...	236	...	..	59,927	237	66,924	243	...	...	64,274
Cash and Pay Office.										
Cashier	1	...	...	1,403	1	3,000	1	500	250	*h* 1,500
Acting do.	...	...	...	799	...	...	...	...	438	2,625
Deputy Cashier	1	...	...	1,161	...	...	...	...	...	...
Assistant to Cashier... ...	1	...	200	1,200	1	1,200	1	...	200	1,200
Personal Allowance ...			25	150	...	150	...	...	25	150
Cashkeepers	11	50	542	3,252	11	3,300	11	50	550	3,300
Clerks	7	60	345	2,067	7	1,770	7	70	295	1,770
Shroffs	5	25	107	639	5	660	5	25	110	660
Cash Peons	24	10	188	1,131	24	1,092	24	10	182	1,092
Guard Peons	15	9	107	639	15	642	15	9	107	642
Office Servants...	2	5	10	60	2	60	2	5	10	60
Total ...	67	...	...	12,501	66	11,874	66	...	...	12,999
Allowances, &c.										
Travelling Allowances ...	...	...	97	585	...	1,000	...	...	167	1,000
Contingencies	...	...	98	586	...	540	...	...	90	540
Stationery	...	...	77	464	...	600	...	...	100	600
Total...	...	...	...	1,635	...	2,140	...	...	...	2,140
Grand Total...	303	...	...	74,063	303	80,938	309	...	...	79,413

Abstract.

	Rs.
Superintendence	9,300
General Audit and Accounts	12,226
Traffic and Travelling Audit	30,096
Store Audit	4,442
Locomotive Accounts Superintendence	2,550
Allowances, &c.	5,660
Cash and Pay Office	12,999
Do. Allowances, &c.	2,140
Grand Total...	79,413

MADRAS, *9th May,* 1890.

(Signed) FRED. DUNSTERVILLE,
Acting Chief Auditor.

REMARKS.

h. On furlough draws half pay.

MADRAS RAILWAY.

General Stores Department.

ABSTRACT E.

Proposed Establishment for the Half-year ending 31st December, 1890.

PARTICULARS.	Actuals for Half-year ended 31st Dec., 1889.				Sanctions for Half-year ending 30th June, 1890.		Proposed for the Half-year ending 31st Dec., 1890.			
	Number of each grade.	Maximum rate of salary.	Total Amount per mensem.	Total for the Half-year.	Number.	Total for the Half-year.	Number of each grade.	Maximum rate of salary.	Total Amount per mensem.	Total for the Half-year.
		Rs.	Rs.	Rs.		Rs.		Rs.	Rs.	Rs.
General Storekeeper	1	600	600		1	2,700	1	600	400	2,400
Ag. do.	...	...	225	a 2,710	...	...	...	...	...	...
Chief Warder	1	200	200	1,200	1	1,200	1	200	200	1,200
Warder	1	125	125	750	1	750	1	125	125	750
Chief Clerk	1	100	100	600	1	600	1	100	100	600
Assistant Warders	4	60	138	822	4	828	4	60	138	828
Clerks	14	80	419	2,475	15	2,514	15	80	419	2,514
Weigh-bridge Conicopillay ...	1	15	15	90	1	90	1	15	15	90
Time-keeper	1	17	17	95	1	102	1	17	17	102
Moochee	1	12	12	72	1	72	1	12	12	72
Travelling Clerk	1	80	71	430	1	480	1	80	80	480
Travelling Peons	2	12	24	144	2	144	2	12	24	144
Ward Peons	7	8	49	292	7	294	7	8	49	294
Office Peons	3	8	22	129	3	132	3	8	22	132
Guard Peons	2	7	14	84	2	84	2	7	14	84
Carpenters	2	24	44	263	2	264	2	24	44	264
Book-binders	5	12	42	252	5	252	5	12	42	252
Cooper	1	9	9	54	1	54	1	9	9	54
Cooly Maistry	1	11	11	66	1	66	1	11	11	66
Office Servant	1	6	6	36	1	36	1	6	6	36
Chickledars	2	5	11	66	2	66	2	5	11	66
Chuckler	1	10	10	60	1	60	1	10	10	60
Marker	1	10	10	60	1	60	1	10	10	60
Travelling Allowances ...	...	...	21	126	...	180	...	..	30	180
Allowance for Rent	...	...	76	456	...	456	...	...	76	456
Total ...	54	...	...	11,332	55	11,484	55	...	...	11,184
Contingencies	...	...	...	253	...	500	...	...	83	500
Stationery	...	...	...	526	...	700	...	...	116	700
Grand Total ...	54	...	...	12,111	55	12,684	55	...	...	12,384

MADRAS, *3rd May*, 1890.

(Signed) D. ROSS JOHNSON,
General Storekeeper.

REMARKS.

a. 3 months and 20 days at 600 per month ... ... Rs. 2,187 0 0
2 months and 10 days at 225 per month ... ... Rs. 523 0 0
Rs...2710 0 0

MADRAS RAILWAY.

Medical Department.

ABSTRACT E.

Proposed Establishment for the Half-year ending 31st December, 1890.

PARTICULARS.	Actuals for Half-year ended 31st December, 1889.				Sanctions for Half-year ending 30th June, 1890.		Proposed for the Half-year ending 31st December, 1890.			
	Number of each grade.	Maximum rate of salary.	Total Amount per mensem.	Total for the Half-year.	Number.	Total for the Half-year.	Number of each grade.	Maximum rate of salary.	Total Amount per mensem.	Total for the Half-year.
		Rs.	Rs.	Rs		Rs.		Rs.	Rs.	Rs.
Medical Officer	1	650	650	3,900	1	3,900	1	650	650	3,900
Senior Apothecary	1	150	150	900	1	900	1	150	150	900
Allowance to do.	...	...	...	...	...	...	...	...	100	*a* 139
Apothecary	1	140	140	840	1	840	1	140	140	840
Apothecaries	3	130	390	2,340	3	2,340	3	130	390	2,340
Apothecary	1	110	110	550	2	1,320	2	110	220	1,320
Apothecaries (under Rs. 100) ...	13	90	...	5,915	12	5,500	12	...	917	5,500
Medical Storekeeper	1	50	50	300	1	300	1	50	50	300
Clerks	2	15	25	150	2	150	2	15	25	150
1st Class Vaccinator	1	18	18	72	1	108	1	23	23	*b* 138
2nd Class do	5	10	..	166	6	360	6	12½	75	*b* 450
Peons	17	10	...	758	17	776	17	10	...	776
Lascar	1	6	6	36	1	42	1	7	7	42
Watchmen	...	...	...	...	2	72	2	6	12	72
Allowance for Rent	...	...	...	1,505	...	1,506	...	...	...	1,506
Travelling Allowance	...	...	...	369	...	710	...	...	...	590
Total ...	47	...	...	17,801	50	18,824	50	...	...	18,963
Branch Dispensary Rent ...	...	10	10	60	...	120	...	...	...	120
Medicines	...	...	...	2,033	...	2,000	...	...	...	2,000
Contingencies	...	...	...	892	...	1,200	...	...	...	1,200
Stationery	...	...	...	190	...	400	..	...	...	400
Grand Total ...	47	...	...	20,886	50	22,544	50	...	...	22,683

MADRAS, *2nd May*, 1890.

(Signed) H. LESLIE ANSTED,

Medical Officer, M. R.

REMARKS.

a. Special allowance during the Medical Officer's absence on privilege leave to 12th August 1890. see C.E's Letter, No. 366, dated 25th April 1890.

b. Increase to (5) 2nd Class Vaccinators sanctioned by C.E's Letter, No. 114 of 5th February 1890, and to (one) at Meeting of 5th June 1890.

MADRAS RAILWAY.

Police Department.

ABSTRACT E.

Proposed Establishment for the Half-year ending 31st December, 1890.

PARTICULARS.	Actuals for Half-year ended 31st December, 1889.				Sanctions for Half-year ending 30th June, 1890.		Proposed for the Half-year ending 31st December, 1890.			
	Number of each grade.	Maximum rate of salary.	Total Amount per mensem.	Total for the Half-year.	Number.	Total for the Half-year.	Number of each grade.	Maximum rate of salary.	Total Amount per mensem.	Total for the Half-year.
		Rs.	Rs.	Rs.		Rs.		Rs.	Rs.	Rs.
Superintendent of Watchmen.	1	300	283	1,700	1	1,800	1	300	300	1,800
Chief Prosecuting Inspector ...	1	160	160	960	1	960	1	160	160	960
Prosecuting Inspectors ...	5	100	278	1,669	5	1,830	5	100	305	1,830
Relieving Inspector ...	1	45	45	270	1	270	1	45	45	270
Clerk	1	20	20	120	1	120	2	20	*a* 30	180
Record Keeper	...	...	...	...	...	...	1	10	*b* 10	60
Sub-Pros. Inspectors ...	5	25	144	863	5	750	5	25	125	750
Detectives	7	20	106	636	7	660	7	20	110	660
Checkers	10	12	116	695	10	696	10	12	116	696
Naigues	23	7	156	937	24	996	24	7	*c* 167	1,002
Peons	30	8	212	1,271	30	1,290	30	8	215	1,290
Watchmen	220	6	1,241	7,444	222	7,620	226	6	*d* 1,306	7,836
Head Watchmen	12	35	279	1,677	12	1,695	12	35	282	1,695
Travelling Allowances ...	...	...	...	1,543	...	1,350	...	...	...	1,350
Water Allowances... ...	...	...	...	...	...	...	...	...	*e* 5½	33
Total...	316	...	...	19,785	319	20,037	325	...	...	20,412
Contingencies—										
Payment to Nizam's Govt....	...	...	...	1,298	...	1,350	...	...	...	1,350
Unforeseen requirements ...	...	...	...	356	...	360	...	...	...	360
Stationery & Contingent Expenses	...	...	...	1,091	...	1,800	...	...	...	1,800
Clothing	...	...	...	784	...	1,000	...	...	...	200
Total...	...	...	...	3,529	...	4,510	...	...	...	3,710
Grand Total...	316	...	...	23,314	319	24,547	325	...	...	24,122

MADRAS, 15*th May*, 1890.

(Signed) J. W. REYNOLDS,
Superintendent of Watchmen.

REMARKS.

a. One clerk on Rs. 10 for Chief Prosecuting Inspector's Office.

b. One clerk on Rs. 10 for Supt. of Watchmen's Office.

c. Increase of salary to one Naigue from Rs. 6 to 7 (*vide* my letter No. C. 1198 of 8—5—90 and A & Ms. No. $\frac{3218}{212}$ of 14—5—89.

d. Includes two extra Watchmen for Salem, one for Mallapuram and one for Kodur on Rs. 6 each per mensem and increase of salary to 8 Watchmen from Rs. 4½ to 6 (*vide* my No. C. 1198 of 8—5—90 and A & Ms. No. $\frac{3318}{212}$ of 14—5—89.

e. Water allowance for Prosecuting Inspector at Gooty at 10 per cent. on salary *vide* A & Ms. No. $\frac{6699}{3602}$ of 12—5—90.

MADRAS RAILWAY.

Electric Telegraph Department.

ABSTRACT E.

Proposed Establishment for the Half-year ending 31st December, 1890.

PARTICULARS.	Actuals for Half-year ended 31st December, 1889.				Sanctions for Half-year ending 30th June, 1890.		Proposed for the Half-year ending 31st December, 1890.			
	Number of each grade.	Maximum rate of salary.	Total Amount per mensem.	Total for the Half-year.	Number.	Total for the Half-year.	Number of each grade.	Maximum rate of salary.	Total Amount per mensem.	Total for the Half-year.
		Rs.	Rs.	Rs.		Rs.		Rs.	Rs.	Rs.
Telegraph Engineer	1	864	864	5,182	1	5,182	1	864	864	5,182
Assistant do	1	300	300	1,800	1	1,800	1	300	300	1,800
Clerks	4	50	125	750	4	750	4	50	*a* 130	780
Storekeepers	2	50	75	292	2	450	2	50	75	450
Peons	2	7	7	49	2	84	2	7	14	84
Inspector (1st Class)	1	190	190	1,140	1	1,140	1	190	190	1,140
Do (2nd Class)	1	130	100	600	1	780	1	130	130	780
Do (3rd Class)	1	100	100	595	1	600	1	100	100	600
Inspectors (under Rs. 100) ...	6	99	480	2,130	8	2,880	8	99	480	2,880
Linemen	24	10	210	944	25	1,260	*b* 30	8	210	1,260
Travelling allowances ...	...	...	...	1,965	...	2,600	...	...	...	2,650
Bungalow rent allowances ...	...	...	...	676	...	900	...	...	...	900
Total ...	43	...	...	16,123	46	18,426	51	...	...	18,506
Maintenance	...	...	...	11,297	...	11,000	...	...	...	*c* 12,000
Clothing to Linemen & Peons.	...	...	...	...	...	...	...	...	...	*d* 187
Grand Total ...	43	...	...	27,420	46	29,426	51	...	...	30,693

ARKONAM, *2nd May*, 1890.

(Signed) G. K. WINTER,

Telegraph Engineer.

N.B.—The provision for Traffic Telegraph Inspectors, Signallers, &c., is given in the Traffic Manager's Estimate on page 64 and amounts to Rs. 36,738.

REMARKS.

a. Increase of Rs. 5 per mensem to the Head Clerk (from Rs. 45 to Rs. 50.)

b. Number increased for better working without additional cost being incurred.

c. Includes Rs. 500 on account of Rent, &c., for Government Telegraph wires.

d. To provide uniform similar to that worn by Traffic Porters.

MADRAS RAILWAY.

Estimate of General and Miscellaneous Charges not included in the Estimate of General Charges Establishment.

PARTICULARS.	Actuals for Half-year ended 31st Dec., 1889.	Sanctions for Half-year ending 30th June 1890.	Proposed for the Half-year ending 31st Dec., 1890.
ABSTRACT **E.**	Rs.	Rs.	Rs.
Directors & Secretary, or Managing Directors, Auditors & Accountants...	28,989	30,000	30,000
Consulting Engineer & Inspecting Officers' Fees & Travelling Expenses...	3,381	4,500	4,500
Rents of Buildings and Lands	...	500	500
Advertising (all advertisements of all Departments)	2,019	3,000	3,000
Expenses connected with Fire-engines	2,583	4,000	4,000
Loss by Exchange	14,143	14,000	14,000
Carriage of Revenue Stores	666	800	800
Loss on Stores	...	...	...
Furniture Fittings, &c., (Staff Quarters, Gooty.)	410	...	...
ABSTRACT **G.**			
Law Charges	**Cr.** 203	3,500	3,500
Compensation	4,256	5,000	5,000
Rates and Taxes	7,456	5,000	*a* 7,500
Hire of Locomotives	...	...	...
Hire of Vehicles	...	...	...
Mileage and Demurrage of Foreign Stock	1,130	3,000	3,000
Rents of Stations, &c., jointly occupied	...	...	...
Prizes for Station Gardens, &c.	516	1,000	1,000
Miscellaneous	8,277	9,000	9,000
Total ...	73,623	83,300	85,800
Deduct amount chargeable to Fire Insurance Fund. Expenses of Fire-engines	2,583	4,000	4,000
Total ...	71,040	79,300	81,800

MADRAS, 10*th May*, 1890.

(Signed) FRED. DUNSTERVILLE,

Ag. Chief Auditor.

REMARKS.

a. To meet actuals.

MADRAS RAILWAY.

Estimate of General and Miscellaneous Charges not included in the Estimate of General Charges Establishment.

PARTICULARS.	Actuals for Half-year ended 31st Dec., 1889.	Sanctions for Half-year ending 30th June 1890.	Proposed for the Half-year ending 31st Dec., 1890.	REMARKS.
ABSTRACT **E.**	Rs.	Rs.	Rs.	
Directors & Secretary, or Managing Directors, Auditors & Accountants...	28,989	30,000	30,000	
Consulting Engineer & Inspecting Officers' Fees & Travelling Expenses...	3,381	4,500	4,500	
Rents of Buildings and Lands	...	500	500	
Advertising (all advertisements of all Departments)	2,019	3,000	3,000	
Expenses connected with Fire-engines	2,583	4,000	4,000	
Loss by Exchange	14,143	14,000	14,000	
Carriage of Revenue Stores	666	800	800	
Loss on Stores	...	...	...	
Furniture Fittings, &c., (Staff Quarters, Gooty.)	410	...	...	
ABSTRACT **G.**				
Law Charges	**Cr.** 203	3,500	3,500	
Compensation	4,256	5,000	5,000	
Rates and Taxes	7,456	5,000	*a* 7,500	*a.* To meet actuals.
Hire of Locomotives	...	...	...	
Hire of Vehicles	...	...	...	
Mileage and Demurrage of Foreign Stock	1,130	3,000	3,000	
Rents of Stations, &c., jointly occupied	...	...	...	
Prizes for Station Gardens, &c.	516	1,000	1,000	
Miscellaneous	8,277	9,000	9,000	
Total ...	73,623	83,300	85,800	
Deduct amount chargeable to Fire Insurance Fund. Expenses of Fire-engines	2,583	4,000	4,000	
Total ...	71,040	79,300	81,800	

MADRAS, 10*th May*, 1890.

(Signed) FRED. DUNSTERVILLE,

Ag. Chief Auditor.

Estimate of Establishment and other Charges for Half-year ending 31st Dec., 1890.

ABSTRACT E.

General Charges.

	Salaries.			Travelling Allowances.			Contingencies.			Rs.	A.	P.	Rs.	A.	P.
1st.—Home Expenditure—															
(1.)—Directors and Secretary, or Managing Director										30,000	0	0			
(2.)—Auditors and Accountants															
(3.)—Consulting Engineer and Inspecting Officers' fees and travelling allowances										4,500	0	0			
(4.)—Office expenses										...	...	...	34,500	0	0
2nd.—Salaries of Indian Management, including Offices—															
(1.)—Agent's Office ...	27,574	0	0	990	0	0	...	...	...	28,564	0	0			
(2.)—Auditor's ,, ...															
(3.)—Accounts' ,, ...															
(4.)—Paymaster's (Cashier's) Office ...	71,613	0	0	3,300	0	0	500	0	0	75,413	0	0			
(5.)—Store Department ...	10,548	0	0	180	0	0	456	0	0	11,184	0	0			
(6.)—Medical	16,867	0	0	590	0	0	1,506	0	0	18,963	0	0			
(7.)—Rents of Buildings and Lands										620	0	0			
(8.)—Furniture Fittings and other Miscellaneous expenses ...										4,150	0	0			
(9.)—Printing and Stationery										5,150	0	0			
(10.)—Medicine and Contributions to Hospitals										2,000	0	0	1,46,044	0	0
3rd.—Police—															
(1.)—Supervision										2,160	0	0			
(2.)—Constables										18,252	0	0			
(3.)—Contingencies										3,710	0	0	24,122	0	0
4th.—Advertising—(*All advertisements of all Departments*)										...	...	...	3,000	0	0
5th.—Electric Telegraph—															
(1.)—Salaries of Superintendents and Assistants										9,502	0	0			
(2.)—Signallers										36,738	0	0			
(3.)—Travelling Expenses										1,400	0	0			
(4.)—Office Expenses, Contingencies, &c.										2,501	0	0			
(5.)—Maintenance, Wages and Stores										16,790	0	0			
(6.)—Government Telegraph Department for Rent, Maintenance and Inspection										500	0	0	67,431	0	0
6th.—Clearing Accounts with other Lines										...	...	...	...	...	...
7th.—Unclassified Expenditure—															
(1.)—Loss on Stores, &c....										...	...	...			
(2.)—Expenses connected with Fire-engines										4,000	0	0			
(3.)—Loss by Exchange										14,000	0	0			
(4.)—Carriage of Revenue Stores										800	0	0	18,800	0	0
Total ...										...	...	...	2,93,897	0	0
Deduct { Value of Stores returned to stock										...	...	...			
{ Sum chargeable to Fire Insurance Fund, &c. ...										4,000	0	0	4,000	0	0
Total ...										...	...	...	2,89,897	0	0

MADRAS, *15th May*, 1890.

(Signed) FRED. DUNSTERVILLE,
Ag. Chief Auditor.

Estimate of Special and Miscellaneous Expenditure for Half-year ending 31st December, 1890.

ABSTRACT G.

Special and Miscellaneous Expenditure.

				Rs.	A.	P.	Rs.	A.	P.
1st.—Law Charges				...	...	...	3,500	0	0
2nd.—Compensation—									
(1.)—For Goods lost or damaged				4,000	0	0			
(2.)—For Personal injury				500	0	0			
(3.)—For other claims				500	0	0			
							5,000	0	0
3rd.—Rates and Taxes *(including Municipal Water-rates)*				...	...	...	7,500	0	0
4th.—Payments to other Lines—		Rs.	A.	P.					
(1.)—Hire of Locomotives ...	Gross Charges.	...	...	...					
	Gross Receipts.	...	...	...	...	...	...		
(2.)—Hire of Vehicles	Gross Charges.	...	...	...					
	Gross Receipts.	...	...	...	...	...	...		
(3.)—Mileage and Demurrage of Foreign Stock	Gross Charges.	...	...	...					
	Gross Receipts.	...	...	...	3,000	0	0		
(4.)—Rent of Stations, &c., jointly occupied... ...	Gross Charges.	...	...	...					
	Gross Receipts.	...	...	...	...	...	...		
							3,000	0	0
5th.—Contributions to—									
(1.)—Benevolent Fund				...	...	...			
							1,000	0	0
6th.—Prizes for Station Gardens, &c.				...	...	...			
7th.—Miscellaneous—									
(1.)—Loss on Light Coins				...	...	...			
(2.)—Bridge Toll Collection, Establishment, &c.				...	...	...			
(3.)—Conservancy				3,200	0	0			
(4.)—Loss by Exchange				...	...	...			
(5.)—Railway Schools				5,800	0	0	9,000	0	0
	Total ...			...	...	...	29,000	0	0
Deduct sum chargeable to .....Fund...				...	...	...	...	...	...
	Total ...			...	...	...	29,000	0	0

MADRAS, 10*th May*, 1890.

(Signed) FRED. DUNSTERVILLE,

Ag. Chief Auditor.

MADRAS RAILWAY.

Engineering Department.

ABSTRACT A.

Proposed Establishment for the Half-year ending 31st December, 1890.

PARTICULARS.	Actuals for Half-year ended 31st Dec., 1889.				Sanctions for Half-year ending 30th June, 1890.		Proposed for the Half-year ending 31st Dec., 1890.			
	Number of each grade.	Maximum rate of salary.	Total Amount per mensem.	Total for the Half-year.	Number.	Total for the Half-year.	Number of each grade.	Maximum rate of salary.	Total Amount per mensem.	Total for the Half-year.
		Rs.	Rs.	Rs.		Rs.		Rs.	Rs.	Rs.
I.—Head Quarters.										
Chief Engineer	1	1,818	1,818	9,544	1	9,000	1	1,500	1,727	10,364
Personal Allowance...								*a* 227		
Deputy Chief Engineer ...	1	1,273	1,273	7,178	1	6,982	1	864	1,164	6,982
Presidency Allowance...								300		
Asst. Engr., 4th class, 1st grade	1	360	360	2,160	1	2,160	1	409	409	*b* 2,454
Office Establishment.										
Chief Clerk	1	200	200	1,200	1	1,200	1	200	200	1,200
Clerks (under Rs. 100.) ...	20	90	924	5,537	20	5,940	20	99	990	5,940
Moochee	1				1		1			
Superintendent of Drawing Office	1	200	200	1,200	1	1,200	1	250	200	1,200
Draftsmen (under Rs. 100)...	15	80	550	3,270	15	3,480	15	99	580	3,480
Moochee	1				1		1			
Peons	8	10	62	364	8	372	8	10	62	372
Lascars	8	7	56	*c* 378	8	336	8	7	56	336
Punkahmen	3	7	21	126	3	126	3	7	21	126
Office Servant	1	4	4	21	1	21	1	4	4	21
Cash-keeper	1	50	50	300	1	300	1	50	50	300
Cash Peon	1	8	8	30	1	48	1	8	8	48
Guard Peons	2	7	14	84	2	84	2	7	14	84
II.—District Establishments.										
Engineers, 1st class, 1st grade.	3	864	1,727	*d* 11,840	2	10,364	2	864	1,727	10,364
Do. 1st do. 2nd do...	...	...	...	...	...	...	...	...	...	...
Do. 2nd do. 1st do...	1	659	659	4,636	1	5,185	*e* 1	659	659	1,318
Do. Personal allowance ...			114							
Do. 2nd class, 2nd grade.	1	591	591	3,545	1	3,545		591	591	2,364
Do. 3rd do. 1st do...	...	...	...	...	1	2,713	1	454	454	2,713
Do. 3rd do. 2nd do...	1	409	409	2,455	...	...	...	...	...	...
Do. 4th do. 1st do...	2	364	728	3,973	2	4,364	2	364	728	4,364
Do. 4th do. 2nd do...	3	318	955	5,387	3	5,727	3	320	956	5,738

REMARKS.

a. Sanctioned *vide*, G. O., No. 408 R., dated 22-3-90.

b. Mr. Ross Chisholm is entitled to promotion to the rank of 3rd Class, 2nd Grade, Assistant Engineer, from 1st July, 1890.

c. Includes Rs. 42, being Gratuity paid to Lascar Parasooraman.

d. Includes Rs. 1,477, drawn by Mr. West.

e. Mr. H. J. Thompson is entitled to promotion to 2nd Class, 1st Grade, 1st November, 1890.

MADRAS RAILWAY.

Engineering Department—(*continued*).

ABSTRACT A.

PARTICULARS.	Actuals for Half-year ended 31st Dec., 1889.				Sanctions for Half-year ending 30th June, 1890.		Proposed for the Half-year ending 31st Dec., 1890.				REMARKS.
	Number of each grade.	Maximum rate of salary.	Total Amount per mensem.	Total for the Half-year.	Number.	Total for the Half-year.	Number of each Grade.	Maximum rate of salary.	Total amount per mensem.	Total for the Half-year.	
		Rs.	Rs.	Rs.		Rs.		Rs.	Rs.	Rs.	
II.—District Establishments.—(*Continued*).											
Sub-Assistant Engineer ...	1	250	250	1,500	1	1,500	1	250	250	1,500	
Engineering Assistant ...	1	200	200	1,200	1	1,200	1	200	200	1,200	
Permanent Way Inspectors	5	190	950	5,679	6	6,840	6	190	1,140	6,840	
	8	160	1,280	7,520	9	8,640	9	160	1,440	8,640	
	9	130	1,170	6,890	11	8,580	11	130	1,430	8,580	
	8	100	800	4,850	8	4,800	8	100	800	4,800	
Probationary Inspectors ...	2	75	150	900	5	2,250	5	75	375	2,250	
Sub-Inspectors	7	50	350	1,500	7	2,100	7	50	350	2,100	
Inspector's Assistants ...	20	40	730	4,381	24	5,160	24	40	860	5,160	
Covenanted Inspector of Station Machinery ...	1	284	284	851	1	851	1	284	284	*f* 851	*f*. Full pay for 3 months, other moiety provided in Abstract D.
Do. Points and Crossings, &c.	1	250	250	1,250	1	1,500	1	300	250	1,500	
Clerks	21	50	735	4,397	21	4,410	20	50	700	4,200	
Storekeepers	7	50	335	2,010	7	2,100	6	50	300	1,800	
Peons	15	7	105	628	15	630	13	7	91	546	
III.—Terminal Workshops											
Superintendent	1	200	200	1,200	1	1,200	1	200	200	1,200	
Book-keeper	1	120	120	720	1	720	1	120	120	720	
Timekeepers	1	40	40	240	1	240	3	40	65	*g* 390	*g*. Transfer from Muster Roll under C. E's. letter, No. 127 of the 11th February 1890.
Clerks	...	...	...	...	...	...	6	25	115	*g* 690	
Loading Clerks	...	...	...	...	...	...	4	33	68	*g* 408	
Store Lascars	...	...	...	...	...	...	4	10	40	*g* 240	
Peons and Watchmen ...	6	7	42	248	7	294	8	7	56	*g* 336	
Total Rupees ...	...	...	...	1,09,192	...	1,16,162	...	...	...	1,13,719	
IV.—General.											
Allowances for Rent... ...	...	...	...	2,442	...	2,500	...	...	...	2,500	
Travelling Allowances, including Engineers' Tentage, &c.	...	...	...	8,482	...	8,500	...	...	...	8,500	
Contingencies	...	...	...	6,436	...	4,500	...	...	...	4,500	
Stationery	...	...	...	1,966	...	2,000	...	...	...	2,000	
Grand Total Rupees ...	...	...	...	1,28,518	...	1,33,662	...	...	...	1,31,219	

MADRAS, 8*th May*, 1890.

(Signed) HENRY C. WEST,
Offg. Chief Engineer.

MADRAS RAILWAY.

Engineering Department.

Statement showing the Location of Employés provided for in the Proposed Establishment for the Half-year ending 31st December, 1890.

PARTICULARS.	1st Division S. W. Line. Madras to Jalarpet.	2nd Division S. W. Line. Jalarpet to Mallapuram, including Bangalore Branch up to Pettah.	3rd Division S. W. Line. Mullapuram to Podanur.	4th Division S. W. Line. Podanur to Calicut, including Nilgiri and Palghat Branches.	1st Division N. W. Line. Arkonam to North point of Kondapuram.	2nd Division N. W. Line. North point of Kondapuram to Raichur.	Laying New Permanent Way over Girder Bridges, &c.	Special Duty.	Relieving Officers.	Total.	REMARKS.
District Establishments.											
Assistant Engineers	1	1	1	1	1	1	...	1	2	9	
Sub-Assistant Engineer ...	...	...	...	...	...	...	1	...	...	1	
Engineering Assistant ...	...	...	...	...	...	...	...	1	...	1	
Permanent Way Inspectors ...	6	4	4	6	5	4	...	2	3	34	
Probationary Inspectors ...	1	...	...	...	1	...	...	2	1	5	
Sub-Inspectors	1	1	1	1	1	1	...	...	1	7	
Inspectors' Assistants... ...	3	3	3	3	7	4	...	1	...	24	
Covenanted Ins. of St. Machy.	...	...	...	...	...	...	...	1	...	1	
Do. do. Points & Crossings,&c.	...	...	...	...	...	...	...	1	...	1	
Writers	3	3	3	3	4	4	...	...	...	20	
Store-keepers	1	1	1	1	1	1	...	...	...	6	
Peons	2	2	2	2	3	2	...	...	...	13	

MADRAS, *8th May*, 1890.

(Signed) HENRY C. WEST,
Offg. Chief Engineer.

MADRAS RAILWAY.

Estimate for Maintenance.

Half-year ending 31st December, 1890.

1st Division, South-West Line, from Madras to Jalarpet.

Miles Maintained.	Departmentally.	By Contract.	Total.
	Ms. Chs. Ft.		Ms. Chs. Ft.
Main Line. Double	42 32 $34\frac{1}{2} \times 2$	...	84 65 3
Main Line. Single	92 3 $10\frac{1}{2}$	...	92 3 $10\frac{1}{2}$
Sidings	33 61 26	...	33 61 26
		Total ...	210 49 $39\frac{1}{2}$

Head.	Description of Works.	Ordinary.	Extra-ordinary.
	Maintenance, Permanent Way.	Rs.	Rs.
II.	(1.) *Wages*—		
	a 65 Gangs at Rs. 51-1-0 × 6 Lorrymen	19,914	...
	b Establishment at Rs. 1,435-8-0 × 6	...	...
	(2.) *Materials*—		
	Ballast C. Yds. 20,000 @ 4 Annas	8,613	...
	Rails...	5,000	...
	Sleepers	27,000	...
	... ...	15,000	...
	Total Head II...	75,527	...
	Repairs, Wages and Materials.		
III.	(1.) Bridges and Culverts	1,500	*c* 28,600
	Tunnels	...	..
	(2.) Earthwork	1,000	*d* 3,000
	Fences	1,500	...
	Roads and Level Crossings	500	...
	Miscellaneous	1,000	...
	Total Head III...	5,500	31,600
	Repairs, Wages and Materials.		
IV.	(1.) Station buildings, yards, &c.	*e* 13,300	*f* 12,000
	Signals, Gate Lodges, &c.	175	...
	(2.) Staff Quarters	1,750	...
	Total Head IV...	15,225	12,000
	Maintenance by Contract.		
V.	(1.) Amount paid to Contractors	...	...
	(2.) Materials supplied by the Company	...	...
	Total Head V...	...	...
VI.	*New Minor Works*	1,250	...
	Total Head VI...	1,250	...
	Unclassified Expenditure.		
VII.	(1.) Plantations	...	...
	(2.) Tools and Plant	1,000	...
	(3.) Loss on Stores	50	...
	(4.) Loss by Exchange..	8,000	...
	(5.) Carriage of Revenue Stores	3,000	...
	Total Head VII...	12,050	...
	Grand Total...	1,09,552	43,600

MADRAS, *8th May*, 1890.

(Signed) HENRY C. WEST,
Offg. Chief Engineer.

REMARKS.

1 Gang consisting of—

No.		Rs. A. P.	Maximum pay. Rs. A. P.
1	Maistry (average) ...	12 0 0	15 0 0
$7\frac{13}{16}$	Coolies at Rs. 5 ...	39 1 0	
	a Total Rupees ...	51 1 0	

Establishment.

		Rs. A. P.
5	Inspector's Writers ... at Rs. 20	100 0 0
1	Section Maistry	30 0 0
3	Do. Maistries ... ... „ „ 20	60 0 0
1	Do. Maistry	17 8 0
1	Time-keeper	25 0 0
1	Carpenter Maistry	25 0 0
1	Carpenter	20 0 0
2	Carpenters ... ... „ „ 17	34 0 0
1	Blacksmith Maistry... ...	25 0 0
2	Blacksmiths ... ... „ „ 17	34 0 0
1	Blacksmith	15 0 0
1	Blacksmith	20 0 0
5	Hammermen ... ... „ „ 6	30 0 0
6	Bellows' Boys ... ... „ „ 5	30 0 0
1	Tinker	17 0 0
1	Filer	8 0 0
1	Painter	17 0 0
2	Engineer's Lascars ... ... „ „ 7	14 0 0
1	Store Lascar	7 0 0
8	Do. Watchmen ... ... „ „ 7	56 0 0
1	Do. Watchman	8 0 0
6	Do. Coolies ... ... „ „ 5	30 0 0
74	Line Watchmen ... ... „ „ 7	518 0 0
8	Bridge do. ... ... „ „ 7	56 0 0
2	Patrolling Watchmen ... „ „ 15	30 0 0
	Proportional amount of Wages of Arkonam Depôt Staff...	14 0 0
	Repairs to Turn Tables and Water Columns	180 0 0
	Acting allowance for extra men in case of sickness	10 0 0
	Loading and unloading materials	5 0 0
	b Total Rupees...	1,435 8 0

c. Increase to water way at 60 Miles, Rs. 27,000 and Bridge at $\frac{2}{8}$ Rs. 1,600.

d. Pitching Tank at $\frac{46}{17}$ to $\frac{47}{3}$ & $\frac{99}{8 \text{ to } 14}$ Miles.

e. Includes repairs to Terminal Buildings, Rs. 9,000.

f. Extraordinary repairs to the Terminal Buildings, Rs. 12,000.

MADRAS RAILWAY.

Estimate for Maintenance.

Half-year ending 31st December, 1890.

2nd Division, South-West Line, from Jalarpet to Mullapuram, including Bangalore Branch up to Bangalore City.

Miles Maintained.	Departmentally.	By Contract.	Total.
	Miles.		Miles.
Main Line. { Double	...	...	...
Main Line. { Single	136	...	136
Sidings	18½	...	18½
		Total ...	154½

Head.	Description of Works.	Ordinary.	Extra-ordinary.
	Maintenance, Permanent Way.	Rs.	Rs.
II.	(1.) *Wages*—		
	b 18 Gangs at Rs. 46-0-0=828-0-0 × 6	4,968	...
	a 39½ Do. at Rs. 40-0-0=1,580-0-0 × 6	9,480	...
	c Establishment at Rs. 1,172-3-0 × 6	7,033	...
	(2.) *Materials*—		
	Ballast C. Yds. 10,500 at Ans. 4-pies 6		
	Rails...	2,953	...
	Sleepers	15,593	...
	... ...	6,573	...
	Total Head II...	46,600	...
	Repairs, Wages and Materials.		
III.	(1.) Bridges and Culverts ...		
	(1.) Tunnels	750	...
	(2.) Earthwork	...	...
	(2.) Fences	900	...
	(2.) Roads and Level Crossings	800	...
	(2.) Miscellaneous	500	...
	... ...	890	...
	Total Head III...	3,750	...
	Repairs, Wages and Materials.		
IV.	(1) Station buildings, yards, &c.		
IV.	(1) Signals, Gate Lodges, &c.	3,300	...
IV.	(2) Staff Quarters	150	...
	... ...	3,000	...
	Total Head IV...	6,450	...
	Maintenance by Contract.		
V.	(1) Amount paid to Contractors		
V.	(2) Materials supplied by the Company	...	...
	... ...	...	...
	Total Head V...	...	...
VI.	*New Minor Works*	2,000	...
	Total Head VI...	2,000	...
	Unclassified Expenditure.		
VII.	(1.) Plantations		
VII.	(2.) Tools and Plant	...	...
VII.	(3.) Loss on Stores	500	...
VII.	(4.) Loss by Exchange	50	...
VII.	(5.) Carriage of Revenue Stores...	5,000	...
	... ...	2,000	...
	Total Head VII...	7,550	...
	Grand Total...	66,350	...

MADRAS, *8th May*, 1890.

(Signed) HENRY C. WEST,
Offg. Chief Engineer.

REMARKS.

1 Gang consisting of—

No.		Rs. A. P.	Maximum pay. Rs. A. P.
1	Maistry at ...	10 0 0	15 0 0
6	Coolies at Rs. 5 ...	30 0 0	
	a. Total Rupees ...	40 0 0	

1 Gang consisting of—

No.		Rs. A. P.
1	Maistry ...	10 0 0
6	Coolies at 6-0-0 ...	36 0 0
	b. Total Rupees ...	46 0 0

Establishment.

			Rs. A. P.
4	Inspector's Writers	at Rs. 15 0 0	60 0 0
2	Section Maistries ...	,, ,, 20 0 0	40 0 0
1	Do. Maistry ...		18 0 0
2	Do. Maistries...	at Rs. 15 0 0	30 0 0
1	Time-keeper ...		25 0 0
1	Carpenter Maistry...		30 0 0
1	Carpenter		20 4 0
1	Blacksmith Maistry		30 0 0
1	Blacksmith		20 4 0
1	Do. ...		18 9 0
3	Hammermen ...	at Rs. 6 12 0	20 4 0
4	Bellows' Boys ...	,, ,, 3 6 0	13 8 0
1	Tinker		22 0 0
2	Engineer's Lascars	,, ,, 7 0 0	14 0 0
2	Store do. ...	,, ,, 7 0 0	14 0 0
7	Do. Watchmen ...	,, ,, 7 0 0	49 0 0
2	Do. do. ...	,, ,, 6 8 0	13 0 0
19	Line Watchmen ...	,, ,, 7 0 0	133 0 0
78	Do. do. ...	,, ,, 6 0 0	468 0 0
	Proportional amount of Wages of Arkonam Depôt Staff		14 0 0
	Repairs to Turn Tables and Water Columns		100 0 0
	Acting allowance for extra men in case of sickness		10 0 0
	Loading and unloading materials		9 6 0
	c. Total Rupees ...		1,172 3 0

MADRAS RAILWAY.

Estimate for Maintenance.

Half-year ending 31st December, 1890.

3rd Division, South-West Line, from Mullapuram to Podanur.

Miles Maintained.	Departmentally.	By Contract.	Total.
	Miles.		Miles.
Main Line. Double	...	...	...
Main Line. Single	$121\frac{1}{2}$	...	$121\frac{1}{2}$
Sidings	$9\frac{3}{4}$	...	$9\frac{3}{4}$
		Total ...	$131\frac{1}{4}$

Head.	Description of Works.	Ordinary.	Extra-ordinary.
		Rs.	Rs.
	Maintenance, Permanent Way.		
II.	(1.) *Wages*—		
	a 38 Gangs at Rs. 45-0-0 × 6 ...		
	Lorrymen	10,260	...
	b Establishment at Rs 1,129-3-0 × 6	...	...
	(2.) *Materials*—	6,775	...
	Ballast C. Yds. 8,800 at 4 annas		
	Rails	2,200	...
	Sleepers	22,000	...
	... ...	4,600	...
	Total Head II...	45,835	...
	Repairs, Wages and Materials.		
III.	(1) Bridges and Culverts		
	Tunnels	1,800	...
	(2) Earthwork	...	...
	Fences	400	...
	Roads and Level Crossings	800	*c* 6,850
	Miscellaneous	480	...
	... ...	1,800	...
	Total Head III...	5,280	6,850
	Repairs, Wages and Materials.		
IV.	(1) Station buildings, yards, &c.		
	Signals, Gate Lodges, &c.	3,000	..
	(2) Staff Quarters	400	...
	.. ..	2,000	...
	Total Head IV...	5,400	...
	Maintenance by Contract.		
V.	(1) Amount paid to Contractors	...	...
	(2) Materials supplied by the Company	...	...
	Total Head V...	...	...
VI.	*New Minor Works*	1,000	...
	Total Head VI...	1,000	...
	Unclassified Expenditure.		
VII.	(1) Plantations	450	...
	(2) Tools and Plant	400	...
	(3) Loss on Stores	50	...
	(4) Loss by Exchange	4,000	..
	(5) Carriage of Revenue Stores	2,000	...
	Total Head VII...	6,900	...
	Grand Total ...	64,415	6,850

MADRAS, *8th May*, 1890.

(Signed) HENRY C. WEST,
Offg. Chief Engineer.

REMARKS.

1 Gang consisting of—

No.		Rs. A. P.	Maximum pay. Rs. A. P.
1	Maistry at ...	10 0 0	14 0 0
7	Coolies at Rs. 5 ...	35 0 0	
	a. Total Rupees ...	45 0 0	

Establishment.

		Rs. A. P.
4	Inspector's Writers at Rs. 15 0 0	60 0 0
1	Section Maistry ...	20 0 0
1	Do. ...	19 0 0
2	Do. ... ,, ,, 18 0 0	36 0 0
1	Time-keeper	20 0 0
1	Workshop Maistry	30 0 0
4	Carpenters ... ... ,, ,, 17 8 0	70 0 0
3	Blacksmiths ... ... ,, ,, 17 8 0	52 8 0
3	Hammermen ... ... ,, ,, 7 1 0	21 3 0
4	Bellows' Boys ... ,, ,, 3 6 0	13 8 0
1	Tinker	14 0 0
1	Filer	12 0 0
1	Painter	18 0 0
2	Engineer's Lascars ,, ,, 7 0 0	14 0 0
4	Store Lascars ... ,, ,, 6 0 0	24 0 0
3	Do. Watchmen ... ,, ,, 7 0 0	21 0 0
4	Do. Coolies ... ... ,, ,, 5 0 0	20 0 0
90	Line Watchmen ... ,, ,, 6 0 0	540 0 0
	Proportional amount of Wages of Arkonam Depôt Staff	14 0 0
	Repairs to Turn Tables and Water Columns	100 0 0
	Acting allowance for extra men in case of sickness	10 0 0
	b. Total Rupees ...	1,129 3 0

c. 7 Miles of wire fencing required between Mullapuram and Salem to replace aloe hedge destroyed by wild animals.

MADRAS RAILWAY.

Estimate for Maintenance.

Half-year ending 31st December, 1890.

4th Division, South-West Line, from Podanur to Calicut including Nilgiri and Palghat Branches.

Miles Maintained.	Departmentally.	By Contract.	Total.
	Ms.		Ms.
Main Line. { Double ...	...	...	...
Main Line. { Single ...	139½	...	139½
Sidings	18	...	18
		Total...	157½

Head.	Description of Works.	Ordinary.	Extra-ordinary.
		Rs.	Rs.
	Maintenance, Permanent Way.		
II.	(1.) *Wages*—		
	a 56 Gangs at Rs. 54-0-0 × 6	18,144	...
	Lorrymen	...	...
	b Establishment at Rs. 1,063-0-0 × 6	6,378	82
	(2.) *Materials*—		
	Ballast Sand C. Yds. 26,600 at Rs. 0-3-6	5,819	...
	Do. (Laterite) Yds. 4,000 at Rs. 0-6-0	1,500	...
	Rails...	14,000	410
	Sleepers	9,800	...
	Total Head II...	55,641	*c* 492
	Repairs, Wages and Materials.		
III.	(1) { Bridges and Culverts		
	(1) { Tunnels	1,650	50,000
	(2) { Earthwork	...	...
	(2) { Fences	2,050	...
	(2) { Roads and Level Crossings	*e* 3,350	...
	(2) { Miscellaneous	1,660	...
		650	...
	Total Head III...	9,360	*d* 50,000
	Repairs, Wages and Materials.		
IV.	(1) { Station buildings, yards, &c.		
	(1) { Signals, Gate Lodges, &c.	4,100	...
	(2) Staff Quarters	400	...
		2,500	...
	Total Head IV...	7,000	...
	Maintenance by Contract.		
V.	(1) Amount paid to Contractors	...	...
	(2) Materials supplied by the Company	...	...
	Total Head V...	...	...
VI.	*New Minor Works.*	1,250	...
	Total Head VI...	1,250	...
	Unclassified Expenditure.		
VII.	(1) Plantations	400	...
	(2) Tools and Plant	1,100	...
	(3) Loss on Stores	50	...
	(4) Loss by Exchange	3,000	...
	(5) Carriage of Revenue Stores	3,300	...
	Total Head VII...	7,850	...
	Grand Total...	81,101	50,492

MADRAS, *8th May*, 1890.

(Signed) HENRY C. WEST,
Offg. Chief Engineer.

REMARKS.

1 Gang consisting of—

No.		Rs. A. P.	Maximum pay. Rs. A. P.
1	Maistry (average) ...	12 0 0	13 0 0
7	Coolies at Rs. 6 ...	42 0 0	
	a. Total Rs. ...	54 0 0	

Establishment.

			Rs. A. P.
5	Inspector's Writers.,	at Rs. 15 0 0	75 0 0
4	Section Maistries ...	„ „ 16 0 0	64 0 0
3	Do. ...	„ „ 15 0 0	45 0 0
1	Timekeeper		20 0 0
1	Carpenter Maistry...		31 0 0
4	Carpenters	„ „ 16 0 0	64 0 0
1	Blacksmith Maistry		30 0 0
3	Blacksmiths	„ „ 13 0 0	39 0 0
3	Hammermen	„ „ 7 0 0	21 0 0
3	Bellows' Boys	„ „ 4 0 0	12 0 0
3	Filers	„ „ 10 0 0	30 0 0
2	Engineer's Lascars...	„ „ 7 0 0	14 0 0
1	Store Lascar	„ „ 7 0 0	7 0 0
7	Do. Watchmen ...	„ „ 6 0 0	42 0 0
16	Line Watchmen ...	6 0 0	96 0 0
62	Do. do. ...	„ „ 5 0 0	310 0 0
1	Bridge do. ...	„ „ 7 0 0	7 0 0
2	Do. do. ...	„ „ 6 0 0	12 0 0
	Proportional amount of Wages of Arkonam Depôt Staff		14 0 0
	Repairs to Turn Tables and Water Columns.		100 0 0
	Acting allowance for extra men in case of sickness		10 0 0
	Loading and unloading materials		20 0 0
	b. Total Rupees ...		1,063 0 0

c. Laying New Permanent Way on Bridge at $\frac{29}{32}$ Mile Rs. 492-0-0.

d. Reconstruction of Thotha Bridge, S. W. Line, Rs. 50,000.

e. Includes replacement of insufficient aloe fence by wire and stone wall Rs. 1,500.

MADRAS RAILWAY.

Estimate for Maintenance.

Half-year ending 31st December, 1890.

1st Division, North-West Line, from Arkonam to Kondapuram.

Miles Maintained.	Departmentally.	By Contract.	Total.
	Miles.		Miles.
Main Line. Double ...	...	...	...
Main Line. Single ...	167⅞	...	167⅞
Sidings	15½	...	15½
		Total...	183⅜

Head.	Description of Works.	Ordinary.	Extra-ordinary.
	Maintenance, Permanent Way.	Rs.	Rs.
II.	(1.) *Wages*—		
	a 60 Gangs at Rs. 47-0-0 × 6 ...	16,920	...
	Lorrymen	...	...
	b Establishment at Rs. 1,388-0-0 × 6	8,328	...
	(2.) *Materials*—		
	Ballast C. Yds. 23,000 at Ans. 4	5,750	...
	Rails....	18,000	...
	Sleepers	9,750	...
	Total Head II...	58,748	...
	Repairs, Wages and Materials.		
III.	(1.) Bridges and Culverts	2,250	*c* 50,000
	(1.) Tunnels	...	...
	(2.) Earthwork	2,500	*d* 440
	(2.) Fences	2,000	...
	(2.) Roads and Level Crossings	300	...
	(2.) Miscellaneous	550	...
	Total Head III...	7,600	50,440
	Repairs, Wages and Materials.		
IV.	(1.) Station buildings, yards, &c.	3,150	...
	(1.) Signals, Gate Lodges, &c.	225	...
	(2.) Staff Quarters	1,750	...
	Total Head IV...	5,125	...
	Maintenance by Contract.		
V.	(1.) Amount paid to Contractors	...	...
	(2.) Materials supplied by the Company	...	...
	Total Head V...	...	...
VI.	*New Minor Works*	2,250	...
	Total Head VI...	2,250	...
	Unclassified Expenditure.		
VII.	(1.) Plantations	125	...
	(2.) Tools and Plant	750	...
	(3.) Loss on Stores	75	...
	(4.) Loss by Exchange	8,500	...
	(5.) Carriage of Revenue Stores	6,250	...
	Total Head VII...	15,700	...
	Grand Total...	89,423	50,440

MADRAS, *8th May*, 1890.

(Signed) HENRY C. WEST,
Offg. Chief Engineer.

REMARKS.

1 Gang consisting of—

No.		Rs. A. P.	Maximum pay. Rs. A. P.
1	Maistry at ...	12 0 0	12 0 0
7	Coolies at Rs. 5 ...	35 0 0	
	a. Total Rupees ...	47 0 0	

Establishment.

			Rs. A. P.
2	Inspector's Writers...	at Rs. 20 0 0	40 0 0
2	Do. do. ...	,, ,, 17 0 0	34 0 0
2	Do. do. ...	,, ,, 15 0 0	30 0 0
2	Section Maistry ...	,, ,, 20 0 0	40 0 0
4	Do. Maistries ...	,, ,, 18 0 0	72 0 0
1	Timekeeper ...		25 0 0
1	Carpenter Maistry ...		27 0 0
4	Carpenters	,, ,, 18 0 0	72 0 0
2	Do. ...	,, ,, 16 0 0	32 0 0
1	Blacksmith Maistry		30 0 0
4	Blacksmiths	,, ,, 17 0 0	68 0 0
5	Hammermen ...	,, ,, 6 0 0	30 0 0
5	Bellows' Boys ...	,, ,, 5 0 0	25 0 0
1	Tinker		18 0 0
1	Filer..		9 0 0
1	Painter		15 0 0
2	Engineer's Lascars	,, ,, 7 0 0	14 0 0
1	Store Watchman...		8 0 0
7	Do. Watchmen ...	,, ,, 7 0 0	49 0 0
6	Do. Coolies ...	,, ,, 5 0 0	30 0 0
60	Line Watchmen ...	,, ,, 6 8 0	390 0 0
30	Do. do. ...	,, ,, 6 0 0	180 0 0
	Proportional amount of Wages of Arkonam Depôt Staff		20 0 0
	Repairs to Turn Tables and Water Columns		100 0 0
	Acting allowance for extra men in case of sickness		15 0 0
	Loading and unloading materials		15 0 0
	b. Total Rs.		1,388 0 0

c. Reconstruction of Papaghni and Chitravati Bridges, Rs. 50,000 0 0.

d. Pitching and earthwork to tank bund at 198/4 Miles.

MADRAS RAILWAY.

Estimate for Maintenance.

Half-year ending 31st December, 1890.

1st Division, North-West Line, from Arkonam to Kondapuram.

Miles Maintained.	Departmentally.	By Contract.	Total.
	Miles.		Miles.
Main Line. { Double ...	...	...	...
Main Line. { Single ...	$167\frac{7}{8}$	...	$167\frac{7}{8}$
Sidings	$15\frac{1}{2}$	...	$15\frac{1}{2}$
		Total...	$183\frac{3}{8}$

Head.	Description of Works.	Ordinary.	Extra-ordinary.
	Maintenance, Permanent Way.	Rs.	Rs.
II.	(1.) *Wages*—		
	a 60 Gangs at Rs. 47-0-0 × 6	16,920	...
	Lorrymen	...	...
	b Establishment at Rs. 1,388-0-0 × 6	8,328	...
	(2.) *Materials*—		
	Ballast C. Yds. 23,000 at Ans. 4	5,750	...
	Rails....	18,000	...
	Sleepers	9,750	...
	Total Head II...	58,748	...
	Repairs, Wages and Materials.		
III.	(1.) { Bridges and Culverts	2,250	*c* 50,000
	(1.) { Tunnels	...	...
	(2.) { Earthwork	2,500	*d* 440
	(2.) { Fences	2,000	...
	(2.) { Roads and Level Crossings	300	...
	(2.) { Miscellaneous	550	...
	Total Head III...	7,600	50,440
	Repairs, Wages and Materials.		
IV.	(1.) { Station buildings, yards, &c.	3,150	...
	(1.) { Signals, Gate Lodges, &c.	225	...
	(2.) Staff Quarters	1,750	...
	Total Head IV...	5,125	...
	Maintenance by Contract.		
V.	(1.) Amount paid to Contractors	...	...
	(2.) Materials supplied by the Company	...	...
	Total Head V...	...	...
VI.	*New Minor Works*	2,250	...
	Total Head VI...	2,250	...
	Unclassified Expenditure.		
VII.	(1.) Plantations	125	...
	(2.) Tools and Plant	750	...
	(3.) Loss on Stores	75	...
	(4.) Loss by Exchange	8,500	...
	(5.) Carriage of Revenue Stores	6,250	...
	Total Head VII...	15,700	...
	Grand Total...	89,423	50,440

MADRAS, *8th May*, 1890.

(Signed) HENRY C. WEST,
Offg. Chief Engineer.

REMARKS.

1 Gang consisting of—

No.		Rs. A. P.	Maximum pay. Rs. A. P.
1	Maistry at ...	12 0 0	12 0 0
7	Coolies at Rs. 5 ...	35 0 0	
	a. Total Rupees ...	47 0 0	

Establishment.

		Rs. A. P.
2	Inspector's Writers... at Rs. 20 0 0	40 0 0
2	Do. do. ... ,, ,, 17 0 0	34 0 0
2	Do. do. ... ,, ,, 15 0 0	30 0 0
2	Section Maistry ... ,, ,, 20 0 0	40 0 0
4	Do. Maistries ... ,, ,, 18 0 0	72 0 0
1	Timekeeper ...	25 0 0
1	Carpenter Maistry ...	27 0 0
4	Carpenters ... ... ,, ,, 18 0 0	72 0 0
2	Do. ... ,, ,, 16 0 0	32 0 0
1	Blacksmith Maistry	30 0 0
4	Blacksmiths ... ... ,, ,, 17 0 0	68 0 0
5	Hammermen ... ,, ,, 6 0 0	30 0 0
5	Bellows' Boys ... ,, ,, 5 0 0	25 0 0
1	Tinker	18 0 0
1	Filer..	9 0 0
1	Painter	15 0 0
2	Engineer's Lascars ,, ,, 7 0 0	14 0 0
1	Store Watchman...	8 0 0
7	Do. Watchmen ... ,, ,, 7 0 0	49 0 0
6	Do. Coolies ... ,, ,, 5 0 0	30 0 0
60	Line Watchmen ... ,, ,, 6 8 0	390 0 0
30	Do. do. ... ,, ,, 6 0 0	180 0 0
	Proportional amount of Wages of Arkonam Depôt Staff	20 0 0
	Repairs to Turn Tables and Water Columns	100 0 0
	Acting allowance for extra men in case of sickness	15 0 0
	Loading and unloading materials	15 0 0
	b. Total Rs.	1,388 0 0

c. Reconstruction of Papaghni and Chitravati Bridges, Rs. 50,000 0 0.

d. Pitching and earthwork to tank bund at 198/4 Miles.

MADRAS RAILWAY.

Estimate for Maintenance.

Half-year ending 31st December, 1890.

2nd Division, North-West Line, from Kondapuram to Raichur.

Miles Maintained.	Departmentally.	By Contract.	Total.
	Miles.		Miles.
Main Line. Double ...	...	...	...
Main Line. Single ...	140¼	...	140¼
Sidings	18	...	18
		Total ...	158¼

Head.	Description of Works.	Ordinary.	Extra-ordinary.
		Rs.	Rs.
	Maintenance, Permanent Way.		
II.	(1.) *Wages*—		
	a 50 Gangs at Rs. 53-8-0 × 6	16,050	5,000
	Lorrymen	...	
	b Establishment at Rs. 1,353-0-0 × 6	8,118	
	(2.) *Materials*—		
	Ballast C. Yds 19,000 at Ans. 4	4,750	15,000
	Rails	1,950	
	Sleepers	4,400	
	Total Head II...	35,268	*c.* 20,000
	Repairs, Wages and Materials.		
III.	(1.) Bridges and Culverts	2,750	...
	Tunnels	...	...
	(2.) Earthwork	1,600	*d* 3,000
	Fences	900	...
	Roads and Level Crossings	500	...
	Miscellaneous	950	...
	Total Head III...	6,700	3,000
	Repairs, Wages and Materials.		
IV.	(1.) Station buildings, yards, &c.	3,400	...
	Signals, Gate Lodges, &c.	140	...
	(2.) Staff Quarters	2,400	...
	Total Head IV...	5,940	...
	Maintenance by Contract.		
V.	(1.) Amount paid to Contractors	...	...
	(2.) Materials supplied by the Company	...	...
	Total Head V...	...	...
VI.	*New Minor Works*	2,250	...
	Total Head VI...	2,250	...
	Unclassified Expenditure.		
VII.	(1.) Plantations	275	...
	(2.) Tools and Plant	700	...
	(3.) Loss on Stores	75	...
	(4.) Loss by Exchange	3,500	...
	(5.) Carriage of Revenue Stores	7,750	...
	Total Head VII...	12,300	...
	Grand Total...	62,458	23,000

MADRAS, *8th May*, 1890.

(Signed) HENRY C. WEST,
Offg. Chief Engineer.

REMARKS.

1 Gang consisting of—

No.		Rs. A. P.	Maximum pay. Rs. A. P.
1	Maistry (average) ...	11 8 0	11 0 0
8	Coolies at Rs. 5 4 ...	42 0 0	
	a. Total Rupees ...	53 8 0	

	Establishment.		Rs. A. P.
5	Inspector's Writers ...	at Rs. 15 0 0	75 0 0
3	Section Maistries ...	,, ,, 20 0 0	60 0 0
2	Do. ...	,, ,, 18 0 0	36 0 0
1	Timekeeper		25 0 0
1	Carpenter Maistry ...		27 0 0
4	Carpenters ...	,, ,, 20 0 0	80 0 0
1	Carpenter		15 0 0
1	Blacksmith Maistry...		33 0 0
1	Blacksmith ...		24 0 0
3	Blacksmiths	,, ,, 20 0 0	60 0 0
3	Hammermen	,, ,, 8 0 0	24 0 0
2	Do.	,, ,, 7 0 0	14 0 0
5	Bellows' Boys	,, ,, 5 0 0	25 0 0
1	Tinker		20 0 0
1	Painter		20 0 0
1	Do.		14 0 0
2	Engineer's Lascars ...	,, ,, 7 0 0	14 0 0
8	Store Watchmen ...	,, ,, 7 0 0	56 0 0
2	Do. Coolies... ..	,, ,, 8 0 0	16 0 0
8	Do. Coolies ...	,, ,, 7 0 0	56 0 0
70	Line Watchmen ...	,, ,, 7 0 0	490 0 0
9	Bridge do. ...	,, ,, 7 0 0	63 0 0
	Proportional amount of Wages of Arkonam Depôt Staff		21 0 0
	Repairs to Turn Tables and Water Columns		70 0 0
	Acting allowance for extra men in case of sickness		15 0 0
	b. Total Rupees ...		1,353 0 0

c. Laying New Permanent way over Tungabhadra Bridge, Rs. 20,000.

d. Pitching of tanks at $\frac{238}{7}$ to $\frac{239}{7}$ Miles injured by floods in October, 1889.

MADRAS RAILWAY.

Abstract of Estimates for Maintenance.

Half-year ending 31st December, 1890.

HEADS OF CHARGES.	1st Division S. W. Line. Madras to Jalarpet. 92 Miles (Single.) 42¾ „ (Double.) 33¾ „ (Siding.) 210½		2nd Division S. W. Line. Jalarpet to Mullapuram including Bangalore Branch up to Pettah. 136 Miles (Single) 18½ „ (Siding) 154½		3rd Division S. W. Line. Mullapuram to Podanur. 121¼ Miles (Single) 9¾ „ (Siding) 131¼		4th Division S. W. Line. Podanur to Calicut including Nilgiri & Palghat Branches. 139½ Miles (Single) 18 „ (Siding) 157½		1st Division N. W. Line. Arkonam to Kondapuram. 167¾ Miles (Single) 15½ „ (Siding) 183⅜		2nd Division N. W. Line. Kondapuram to Raichur. 140¼ Miles (Single) 18 „ (Siding) 158¼		TOTAL. 881⅞ Miles (Single.) 113½ „ (Siding.) 995⅜	
	Amount.	Per Mile.	Amount.	Per Mile	Amount.	Per Mile.	Amount.	Per Mile.	Amount.	Per Mile.	Amount.	Per Mile.	Amount.	Per Mile.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Head No. II. Ordinary ...	75,527	359	46,600	301	45,835	349	55,641	353	58,748	320	35,268	223	3,17,619	319
Head No. II. Extraordinary ...	...	...	...	...	...	...	492	3	...	...	20,000	126	20,492	21
Head No. III. Ordinary ...	5,500	26	3,750	24	5,280	40	9,360	59	7,600	42	6,700	42	38,190	38
Head No. III. Extraordinary ...	31,600	150	...	...	6,850	52	50,000	318	50,440	275	3,000	19	1,41,890	143
Head No. IV. Ordinary ...	15,225	73	6,450	42	5,400	41	7,000	45	5,125	28	5,940	38	45,140	45
Head No. IV. Extraordinary ...	12,000	57	...	...	...	...	...	...	...	...	...	...	12,000	12
Head No. V. Ordinary ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Head No. V. Extraordinary ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Head No. VI. Ordinary ...	1,250	6	2,000	13	1,000	8	1,250	8	2,250	12	2,250	14	10,000	10
Head No. VII Ordinary ...	12,050	57	7,550	49	6,900	53	7,850	50	15,700	86	12,300	78	62,350	63
Head No. VII Extraordinary ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...	1,53,152	728	66,350	429	71,265	543	1,31,593	836	1,39,863	763	85,458	540	6,47,681	651

MADRAS, *8th May*, 1890.

HENRY C. WEST,
Offg. Chief Engineer.

MADRAS RAILWAY.

ABSTRACT A.

For the Half-year ending 31st December, 1890.

Maintenance of Way, Works and Stations.	Rs.	Rs.
1st.—General Superintendence.		
(1.)—Engineer's Salaries	49,361	
(2.)—Allowances of do. including Travelling	8,000	
(3.)—Subordinate Superintendents	42,641	
(4.)—Allowances of do. including Travelling	500	
(5.)—Overtime Allowances	...	
(6.)—Office Expenses	30,717	1,31,219
2nd.—Maintenance and Renewal of Permanent Way.		
(1.)—Wages	1,46,063	
(2.)—Materials	1,92,048	3,38,111
3rd.—Repairs of Bridges, &c., Wages and Materials.		
(1.)—Bridges and Tunnels	1,39,300	
(2.)—Miscellaneous, including Earthwork, Roads, Fencing, &c.	40,780	1,80,080
4th.—Repairs of Stations and Buildings, &c., Wages and Materials.		
(1.)—Repairs of Buildings of every description, including Station yards and Signals, but excepting Quarters for the Staff	43,740	
(2.)—Repairs of Staff Quarters	13,400	57,140
5th.—Maintenance by Contract.		
(1.)—Amount paid to Contractors	...	
(2.)—Materials supplied by the Company	...	
6th.—New Minor Works	10,000	10,000
7th.—Unclassified Expenditure.		
(1.)—Plantations	1,250	
(2.)—Tools and Plant	4,450	
(3.)—Loss on Stores	350	
(4.)—Loss by Exchange	32,000	
(5.)—Carriage of Revenue Stores and Materials	24,300	62,350
Total Rupees ...	...	7,78,900

MADRAS, *8th May*, 1890.

(Signed) HENRY C. WEST,
Offg. Chief Engineer.

MADRAS RAILWAY.

Locomotive Department.

ABSTRACTS B. AND C.

Proposed Establishment for the Half-year ending 31st December, 1890.

PARTICULARS.	Actuals for the Half-year ended 31st December, 1889.				Sanctions for Half-year ending 30th June, 1890.		Proposed for the Half-year ending 31st December, 1890.			
	Number of each grade.	Maximum rate of salary.	Total Amount per mensem.	Total for the Half-year.	Number.	Total for the Half-year.	Number of each grade.	Maximum rate of salary.	Total Amount per mensem.	Total for the Half-year.
General Superintendence.		Rs.	Rs.	Rs.		Rs.		Rs.	Rs.	Rs.
Locomotive and Carriage Supt.	*a* 1	...	...	5,164	...	...	...	...	...	...
Ag. Loco. and Carriage Supt.	1	...	...	5,466	1	6,546	1	1,091	1,091	6,546
Personal allowance	...	...	...	675	...	675	...	113	113	675
Ag. Dy. Loco. & Carriage Supt.	1	700	700	4,398	1	4,200	1	...	...	*b* 1,800
Asst. do. do. do. ...	1	...	...	2,844	1	2,264	1	475	475	*c* 2,850
Ag. do. do. do. ...	...	...	...	...	...	...	1	...	...	*c* 1,200
Foremen in charge of Divisions.	9	...	...	*d* 17,061	9	18,300	9	350	2,700	16,200
Personal allowance ...	...	...	...	203	...	204	...	...	...	204
Foremen in charge of Perambur Works	6	350	2,100	12,177	6	12,600	6	350	2,100	12,600
Office Establishment.										
Clerk	1	200	200	1,200	1	1,200	1	200	200	1,200
Personal allowance ...	...	...	...	...	...	...	...	25	25	*c* 150
Clerk	1	150	150	900	1	900	1	100	100	*e* 600
Clerks (under Rs. 100) ...	20	99	610	3,507	20	3,660	20	99	660	*e* 3,960
Duffadar	1	10	10	60	1	60	1	10	10	60
Naigues	2	9	17	102	2	102	2	9	18	*f* 108
Peons	6	7	42	252	6	252	6	7	42	252
Store-keeper	1	200	175	900	1	1,050	1	200	175	1,050
Locomotive Accounts Office, See page 50	...	...	...	12,188	...	12,608	...	...	...	12,608
Running Expenses.										
Drivers, Covenanted ...	3	250	686	4,118	3	4,116	3	250	686	4,118
Do. Uncovenanted borne on Muster Roll Firemen do. do.	...	...	...	1,27,163	...	1,30,000	...	...	...	1,30,000
Carriage Examiners... ...	22	...	1,500	8,603	22	9,000	22	...	1,500	9,000
Fuel Inspector	1	300	250	1,500	1	1,500	1	300	270	1,620
Coal ... ... Coke ... ... Patent Fuel ... Wood	...	...	...	3,42,078	...	3,20,000	...	...	...	*g* 3,50,000
Oil, Tallow, and other Stores for Engines at work ...	...	...	...	17,820	...	17,000	...	...	...	*h* 19,000
Stores, Oil, Grease, &c., for running Vehicles ...	...	...	...	13,050	...	12,000	...	...	...	*h* 13,000
Water (including wages and stores)...	...	...	...	12,138	...	11,000	...	...	...	*i* 12,000

REMARKS.

a. Salary of Locomotive Superintendent, provided in Agent and Manager's Establishment Estimate.

b. Mr. Pavey on furlough.

c. *Vide* Consulting Engineer's letter, No. 32, dated 15th January 1890.

c. *Vide* do. do. do.

d. Includes Gratuity of Rs. 2,100, to Foreman G. Henrice.

c. *Vide* Consulting Engineer's letter, No 32 of 15th January, 1890.

e. Reorganization of Office Establishment.

f. Increase of one Rupee per month to one Naigue.

g. Increased cost of Fuel.

h. Increase in cost of Oil.

h. Do. do.

i. To meet actuals.

MADRAS RAILWAY.

Locomotive Department—(*concluded.*)

ABSTRACTS B. AND C.

PARTICULARS.	Actuals for Half-year ended 31st December, 1889.				Sanctions for Half-year ending 30th June, 1890.		Proposed for the Half-year ending 31st December, 1890.				REMARKS.
	Number of each grade.	Maximum rate of salary.	Total amount per mensem.	Total for the Half-year.	Number.	Total for the Half-year.	Number of each grade.	Maximum rate of salary.	Total amount per mensem.	Total for the Half-year.	
Wages of Workmen borne on Form A & Muster Roll.		Rs.	Rs.	Rs.		Rs.		Rs.	Rs.	Rs.	
Erector and Fitter	1	237	213	1,276	1	1,278	1	237	213	1,278	
Carriage Builder	1	237	237	1,422	1	1,422	1	237	237	1,422	
Do. Personal Allowance ...	...	...	...	44	...	...	...	33	33	*j* 198	*j.* *Vide* Government Order, No. 1359 R., dated 7th December 1889.
Turner	1	200	200	1,200	1	1,200	1	200	200	1,200	
Draughtsman	1	350	300	1,336	1	1,800	1	350	150	*k* 900	*k.* Half of Mr. Stanley's pay drawn by him while acting for Mr. Lefebure.
Do.	1	237	213	353	1	1,278	1	237	213	1,278	
Boiler Smith	1	237	237	1,422	1	1,422	1	237	237	1,422	
Blacksmith	1	300	300	1,800	1	1,800	1	300	300	1,800	
Do. Personal Allowance ...	...	50	50	300	...	300	...	50	50	300	
Spring Smith	...	...	...	...	1	1,200	...	...	...	...	
Carriage Painter	1	237	213	1,278	1	1,286	1	237	237	1,422	
Wages of Workmen borne on Muster Roll	...	...	...	3,21,343	...	3,33,000	...	...	...	3,30,784	
Materials for repairs and renewals of Locomotive and Carriages	...	...	...	2,80,563	...	3,04,400	...	...	...	2,78,102	
General.											
Contingencies	...	...	...	110	...	100	...	...	...	100	
Stationery	...	...	...	1,682	...	2,000	...	...	...	2,000	
Overtime	...	...	...	792	...	1,200	...	...	...	1,200	
Batta	...	...	...	3,454	...	3,000	...	...	...	3,000	
Rent allowances	...	...	...	4,218	...	4,000	...	...	...	*l* 4,200	*l.* To meet actuals.
Unclassified Expenditure.											
Loss on Stores	...	...	...	...	...	2,000	...	...	...	2,000	
Loss by Exchange	...	...	...	85,366	...	70,000	...	...	...	90,000	
Carriage of Revenue Stores ...	...	...	...	37,464	...	30,000	...	...	...	38,000	
New Minor Works	...	...	...	480	...	2,500	...	...	...	2,500	
Total ...	...	...	...	13,39,470	...	13,34,423	...	...	...	13,63,907	

Distribution of Charges.

Capital	Rs.	7,500
Expenditure in manufactures debitable to Stores	„	50,000
	Total Capital, Rs...	57,500
Revenue	„	13,06,407
	Total, Rs...	13,63,907

MADRAS, *7th May*, 1890.

(Signed) C. E. PHIPPS,
Ag. Locomotive Superintendent.

MADRAS RAILWAY.

Locomotive Accounts Office.

Proposed Establishment for the Half-year ending 31st December, 1890.

PARTICULARS.	Actuals for Half-year ended 31st December, 1889.				Sanctions for Half-year ending 30th June, 1890.		Proposed for the Half-year ending 31st December, 1890.			
	Number of each grade.	Maximum rate of salary.	Total amount per mensem.	Total for the Half-year.	Number.	Total for the Half-year.	Number of each grade.	Maximum rate of salary.	Total amount per mensem.	Total for the Half-year.
		Rs.	Rs.	Rs.		Rs.		Rs.	Rs.	Rs.
Clerk	1	200	200	1,200	1	1,200	1	200	200	1,200
Clerks under Rs. 100	59	80	1,769	10,612	59	10,830	59	80	1,805	10,830
Moochies	2	10	19	114	2	114	2	10	19	114
Peons	6	8	44	262	6	264	6	8	44	264
Travelling allowance	...	...	...	...	...	200	...	...	...	200
Total ...	68	...	...	12,188	68	12,608	68	...	...	12,608

(Signed) FRED. DUNSTERVILLE,
Ag. Chief Auditor.

MADRAS, 1st *May*, 1890.

REMARKS.

MADRAS RAILWAY.

Locomotive Department.

Proposed constructions and renewals of Rolling Stock to be carried out during the Half-year ending 31st December, 1890.

DESCRIPTION OF STOCK.	CAPITAL.		REVENUE.	
	Number.	Cost.	Number.	Cost.
		Rs.		Rs.
3rd Class carriages	10	35,000	...	...
2nd Class carriages	...	...	2	8,500
Composite carriages	...	...	4	22,600
Old muster composite carriages to be converted into III Class	...	...	2	290
Covered Goods wagons, wooden	...	...	80	1,28,000
Repairs.				
Engines	...	...	...	2,31,446
Coaching	...	...	...	66,208
Goods	...	..	...	74,062
Total ...	10	35,000	88	5,31,106

MADRAS, *7th May*, 1890.

(Signed) C. E. PHIPPS,
Ag. Locomotive Superintendent.

REMARKS.

MADRAS RAILWAY.

Locomotive Department.

Abstract B.

Estimate of Locomotive Expenses for the Half-year ending 31st December, 1890.

	Rs.	A.	P.	Rs.	A.	P.
1st.—General Superintendence.						
1.—Salaries of Superintendents and Assistants	8,952	0	0			
2.—Allowances of ditto, including travelling ...	1,181	0	0			
3.—Subordinate Superintendents	20,548	0	0			
4.—Allowances of ditto, including travelling	1,073	0	0			
5.—Overtime allowances	...	...	...			
6.—Office expenses	15,810	0	0	47,564	0	0
2nd.—Running Expenses (wages connected with the working of Locomotive Engines).						
1.—Wages of Drivers and Firemen	1,09,118	0	0			
2.—Overtime allowances	30,000	0	0			
3.—All labor connected with fuelling, cleaning, and looking after Engines in Yards	26,920	0	0			
4.—Contingent expenses, including clothing and travelling expenses	...	...	...	1,66,038	0	0
3rd.—Fuel.						
1.—Coal Tons						
2.—Coke "						
3.—Patent Fuel "	3,50,000	0	0			
4.—Wood "						
4th.—Water, *(including Wages and Stores).*	12,000	0	0	3,50,000	0	0
5th.—Oil, Tallow, and other stores.—*(Expended on Engines in Work).*	19,000	0	0	12,000	0	0
6th.—Maintenance and Renewals of Locomotive Engines and Machinery.				19,000	0	0
1.—Wages	1,38,446	0	0			
2.—Overtime allowances	8,000	0	0			
3.—Materials	85,000	0	0	2,31,446	0	0
7th.—New Minor Works	1,500	0	0	1,500	0	0
8th.—Payments to other Lines.						
1.—For Haulage of Trains	...	...	...	...	...	...
9th.—Unclassified Expenditure.						
1.—Loss on Stores, &c.	1,000	0	0			
2.—Loss by Exchange	60,000	0	0			
3.—Carriage of Revenue Stores	35,500	0	0	96,500	0	0
Deduct sum chargeable to ..... Total ...	...	...	...	...	...	...
Fund ...	...	...	...	...	...	...
Total ...	...	...	...	9,24,048	0	0

Madras, *7th May*, 1890.

(Signed) C. E. PHIPPS,
Ag. Locomotive Superintendent.

MADRAS RAILWAY.

Locomotive Department.

Abstract C.

Estimate of Carriage and Wagon Expenses for the Half-year ending 31st Dec., 1890.

				Rs.	A.	P.	Rs.	A.	P.
1st.—General Superintendence.									
1.—Salaries of Superintendents and Assistants				3,594	0	0			
2.—Allowances of ditto, including travelling				474	0	0			
3.—Subordinate Superintendents				8,252	0	0			
4.—Allowances of ditto, including travelling				431	0	0			
5.—Overtime allowances				...	...	...			
6.—Office expenses				6,348	0	0			
							19,099	0	0
2nd.—Repairs and Renewals of Vehicles and Machinery.	Rs.	A.	P.						
Coaching Vehicles—1.—Wages	46,496	0	0						
2.—Overtime	1,000	0	0						
3.—Materials	50,102	0	0						
				97,598	0	0			
Goods Vehicles—1.—Wages	58,062	0	0						
2.—Overtime	1,000	0	0						
3.—Materials	1,43,000	0	0	2,02,062	0	0			
							2,99,660	0	0
3rd.—Cleaning Carriages and Wagons, and Oiling.									
1.—Labor, including wages of Oilers, Carriage Cleaners and Examiners				16,100	0	0			
2.—Stores, including Oil, Grease, and other Stores for consumption on running Vehicles				13,000	0	0			
							29,100	0	0
4th.—New Minor Works				1,000	0	0			
							1,000	0	0
5th.—Unclassified Expenditure.									
1.—Loss on Stores, &c.				1,000	0	0			
2.—Loss by Exchange				30,000	0	0			
3.—Carriage of Revenue Stores				2,500	0	0			
							33,500	0	0
			Total ...	...	...	...	...	...	...
Deduct sum chargeable to ... ... Fund ...				...	...	...	...	...	...
			Total ...	...	...	...	3,82,359	0	0

Madras, *7th May*, 1890.

(Signed) C. E. PHIPPS,
Ag. Locomotive Superintendent.

MADRAS RAILWAY.

Locomotive Department.

Rates of Wages for different Trades, Current at the Perambur Works.

No.	DESIGNATION.	European and Eurasian.				Native.			
		1st Grade.		2nd Grade.		1st Grade.		2nd Grade.	
		Rs.	As.	Rs.	As.	Rs.	As.	Rs.	As.
1	Chargemen (Erectors)...	6	0	...		...		...	
2	1st Mates	4	0	...		...		...	
3	Fitters	3	8	2	0	0	12	...	
4	Turners	3	0	1	12	0	12	...	
5	Machinemen	...		...		0	10	0	6
6	Coppersmiths	...		...		0	12	...	
7	Smiths	...		...		0	12	0	8
8	Strikers	...		...		0	6	...	
9	Platers	4	0	...		...		...	
10	Boilersmiths	3	0	1	12	0	12	...	
11	Rivetters	...		...		0	12	...	
12	Angle-iron Smiths	...		...		1	0	...	
13	Spring Smiths	...		...		0	12	...	
14	Carriage Lifters	2	0	1	8	...		...	
15	Carriage Fitters	1	0	...		0	10	...	
16	Carpenter Maistry	...		...		1	8	...	
17	Carpenters	...		...		0	12	0	8
18	Painters	...		...		0	12	0	8
19	Trimmers	...		...		0	8	...	
20	Sawyers (Machinemen)	2	0	...		0	12	...	
21	Saw-sharpeners	...		...		0	10	...	
22	Moulders	2	0	...		0	12	0	8
23	Tin Smiths	...		...		0	10	...	
24	Cobblers	...		...		0	8	...	
25	File-cutters	...		...		...		...	
26	Coolies	...		...		0	4	...	

MADRAS, *7th May*, 1890.

(Signed) C. E. PHIPPS,
Ag. Locomotive Superintendent.

REMARKS.

MADRAS RAILWAY.

Traffic Department.

Abstract D.

Proposed Establishment for the Half-year ending 31st December, 1890.

PARTICULARS.	Actuals for Half-year ended 31st Dec., 1889.				Sanctions for Half-year ending 30th June, 1890.		Proposed for the Half-year ending 31st Dec., 1890.				REMARKS.
	Number of each grade.	Maximum rate of salary.	Total Amount per mensem.	Total for the Half-year.	Number.	Total for the Half-year.	Number of each grade.	Maximum rate of salary.	Total Amount per mensem.	Total for the Half-year.	
1st.—Salaries, Wages, &c.		Rs.	Rs.	Rs.		Rs.		Rs.	Rs.	Rs.	
(a.) *General Superintendence.*											
(1.) Traffic Manager	1	1,300	1,265	7,590	1	7,800	1	1,364	1,364	*a* 7,829	*a.* Mr. Moss' increased salary from 18th December, 1890.
Deputy Traffic Manager ...	1	850	856	5,136	1	5,100	1	850	638	*b* 3,400	*b.* Half pay for 4 months, Mr. A. W. Darke.
Assistant do.	1	727	727	4,364	1	4,362	1	727	727	4,362	
Do. do.	1	545	545	3,273	1	3,270	...	...	...	...	*c.* Half pay for 6 months, Mr. Taylor.
Do. do.	1	455	451	2,707	1	2,730	1	455	228	*c* 1,368	*d.* Moiety of the Deputy Traffic Manager's salary for 4 months.
Do. do.	1	545	545	3,304	1	3,270	1	545	640	*d* 4,030	*e.* Mr. Read's full salary for 3 months.
Do. do.	...	...	...	...	1	1,364	1	455	455	*e* 1,364	
Officer in charge	1	409	409	2,454	1	2,454	1	409	409	2,454	*f.* Mr. Johnstone's salary *vide* C. E.'s letter No. 261, dated, 10—3—90.
Do. do.	...	...	...	...	...	...	1	500	500	*f* 3,000	*g.* Mr. W. Smith's salary *vide* C. E.'s letter No. 280, dated, 25—3—90.
Commission on Tourists' Tickets	...	...	...	...	...	...	1	300	300	*g* 1,800	
Total ...	7	...	83	466	...	1,200	...	...	200	1,200	
(2.) *Office Establishment.*			...	29,294	8	31,550	9	...	...	30,807	
Head Quarters.											
Clerks	1	250	250	1,500	1	1,500	1	250	250	1,500	
Do.	1	200	110	660	1	1,200	1	200	200	1,200	
Do.	1	125	125	750	1	750	1	125	125	750	
Do.	1	130	65	390	1	720	1	130	120	720	
Do.	1	110	90	540	1	660	1	110	110	660	
Do. (under Rs. 100) ...	77	85	1,857	11,141	79	11,718	79	85	1,953	11,718	
Lithographic Peons	3	10	18	105	3	144	3	10	24	144	
Book-Binders	2	10	16	98	2	114	2	10	19	114	
Peons	16	10	115	687	16	720	16	10	120	720	
Punkahmen	4	6	24	144	4	144	4	6	24	144	
Districts.											
Clerks	1	150	80	480	1	750	1	150	125	750	
Do. (under Rs. 100) ...	32	80	678	4,069	33	4,350	33	80	725	4,350	
Lithographic Peons	4	8	32	191	4	192	4	8	32	192	
Peons	9	7	63	376	9	378	9	7	63	378	
Punkahmen	4	6	21	125	4	144	4	6	24	144	
(3.) Travelling Allowances ...	...	...	531	3,184	...	3,660	...	...	610	3,660	
(4.) Contingencies	...	...	712	4,270	...	4,000	...	...	717	*h* 4,300	*h.* Increased rent of the Bungalows charged to working expenses.
Total ...	157	...	...	28,710	160	31,144	160	...	...	31,444	

MADRAS RAILWAY.

Traffic Department—*(continued)*.

Abstract D.

PARTICULARS.	Actuals for Half-year ended 31st December, 1889.				Sanctions for Half-year ending 30th June, 1890.		Proposed for the Half-year ending 31st December, 1890.			
	Number of each grade.	Maximum rate of salary.	Total Amount per mensem.	Total for the Half-year.	Number.	Total for the Half-year.	Number of each grade.	Maximum rate of salary.	Total Amount per mensem.	Total for the Half-year.
(*b*.) Station Staff.		Rs.	Rs.	Rs.		Rs.		Rs.	Rs.	Rs.
Station Masters	1	250	250	1,500	1	1,500	1	250	250	1,500
Do. do.	1	225	210	1,260	1	1,350	1	225	225	1,350
Do. do.	2	200	360	2,160	1	1,110	2	200	385	*i* 2,310
Do. do.	1	175	175	1,050	2	2,100	1	175	175	1,050
Do. do.	4	150	520	3,120	4	3,060	4	150	510	3,060
Do. do.	3	125	350	2,100	3	2,250	3	125	375	2,250
Station Masters, Junc. Supts., &c., (under Rs. 100) ...	5	110	488	2,930	5	3,120	5	110	520	3,120
Block Signallers and allowance	242	90	6,981	41,887	253	43,914	255	90	7,327	*j* 43,962
Chief Booking Clerk	9	50	267	1,602	9	2,220	9	50	370	2,220
Coaching Clerks, &c., (under Rs. 100)	1	100	100	600	1	600	1	100	100	600
Goods Agent	127	85	2,853	17,116	131	18,510	136	85	3,190	*k* 19,140
Goods Clerk	1	500	500	3,000	1	3,000	1	500	500	3,000
Do. (under Rs. 100)	1	120	120	720	1	720	1	120	120	720
Shunting Masters, &c., Do.	144	90	3,847	23,079	153	25,530	156	90	4.350	*l* 25,890
Porters, Peons, Pointsmen, and Signalmen, &c.	77	60	1,830	10,980	82	12,846	86	60	2,241	*m* 13,446
Waiting Room Attendants, Watermen, Masalchees, &c...	1,238	15	8,737	52,421	1,317	56,958	1,345	15	9,707	*n* 58,242
Gatemen	254	12	1,544	9,266	284	10,602	290	12	1,802	*o* 10,812
Allowances	260	25	1,434	8,605	266	8,952	267	25	1,499	*p* 8,994
Loading and Unloading ...	...	...	291	1,743	...	1,500	...	...	250	1,500
Total ...	...	...	680	4,081	...	4,400	...	...	733	4,400
	2,371	...	...	1,89,220	2,515	2,04,242	2,564	...	...	2,07,566
Train Staff.										
Guards	1	100	100	565	1	600	2	100	200	*q* 1,200
Do. and Assistant Guards (under Rs. 100)	163	90	7,515	45,125	165	46,080	168	90	7,750	*r* 46,500
Overtime	...	...	11	69	...	300	...	...	50	300
Travelling Ticket Collectors ...	3	55	106	636	4	798	4	55	133	798
Total ...	167	...	...	46,395	170	47,778	174	...	...	48,798

REMARKS.

i. Increase to Station Master of Madras Rs. 175 to 200 former sanctions Rs. 225.

j.

Amount.	No.	Particulars.
10		Increase to Station Master, Tyakal.
25	1	Asst. Station Master for Tyakal on a/c of block system.
25	1	Asst. Station Master for Krishnarajapuram on a/c of new Train service.
5		Increase to Station Master, Olavakode.
20	1	Station Master for Teroomali Kuppum Trial Station
15		Increase to Station Master Jakkulachervu on a/c of Block.
10		Increase to Asst. Station Master, Raichur.
10		Increase to Traffic Canvasser.
40		Increase to Traffic Inspector in lieu of 1 account Clerk withdrawn.
160	3	
Less. 40	1	Account Clerk withdrawn.
120	2	
1,789		Deducted, being ⅛ of the pay of the Station Masters and Assistants where no Telegraph Staff is employed, as per statement attached, is deducted from the pay of the Station Masters and included in the Telegraph Staff.
1,669	2	

k.

20	1	Asst. Booking Clerk for Katpadi.
20	1	Asst. Booking Clerk for Gudiyatam in lieu of a Signaller withdrawn.
20	1	Asst. Booking Clerk for Vaniyambadi in lieu of a Signaller withdrawn.
20	1	Ticket Collector for Podanur.
20	1	Asst. Booking Clerk for Coimbatore.
5		Increase to Booking Clerk at Renigunta.
105	5	

l.

15	1	Extra Clerk for Kolar Road.
20	1	Weigh Bridge Clerk for Bangalore City.
25	1	Extra Transhipping clerk do.
60	3	

m.

20	1	Shunting Master for Bangalore Cantonment, due to night Service.
20	1	Number Taker for Bangalore City.
30	1	Platform Constable for Raichur.
30	1	Baggage Constable for Bangalore City.
100	4	

n

10		Increase to Porter Maistries at Salt Cotaurs.
7	1	Marker for Ambur.
14	2	Pointsmen for Kolar Road, due to night Service.
16	2	Pointsmen for Kuppam. do. do.
7	1	Pointsman for Tyakal on a/c of Block. do.
7	1	Pointsman for Devangoondi. do.
16	2	Pointsmen for Bangalore Cantonment. do.
8	1	Shunting Porter do. do.
78	11	Cooly Porters in lieu of loading and unloading contract for Bangalore Cantonment.
14	2	Porters for Bangalore City, due to night Service.
9	1	Pointsman for Salem.
14	2	Porters for Goods Shed at Mettupalaiyam.
6	1	Porter for Pallipuram.
6	1	Porter for Nandalur.
7	1	Pointsman for Jakkulachervu.
9	1	Pointsman for Podanur.
228	30	
Less. 7	1	Pointsman at Cauvery withdrawn.
7	1	Peon at Coimbatore withdrawn.
214	28	

o.

5	1	Scavenger for Sevvapet. New Latrines.
5	1	Scavenger for Krishnarajapuram. do.
4	1	do. for Bangalore City.
5	1	do. for Thinnapetti. do.
3		Increase to Scavengers at Walayar Parli and Tanur.
6	1	Scavenger for Krishnapuram. New Latrines.
8	1	Masalchee for Raichur.
6	1	Scavenger for Jakkulachervu. do.
42	7	
Less. 7	1	Waterman at Timmancherla withdrawn.
35	6	

p. One Gateman for Raichur on Rs. 7.

q. Increase from Rs. 90 to 100 to an old and deserving Guard.

r. 2 Sets of Guards for new Train Service on Bangalore Branch, and annual increments to Guards.

MADRAS RAILWAY.

Traffic Department—*(continued)*.

Abstract D.

PARTICULARS.	Actuals for Half-year ended 31st December, 1889.				Sanctions for Half-year ending 30th June, 1890.		Proposed for the Half-year ending 31st December, 1890.			
	Number of each grade.	Maximum rate of salary.	Total Amount per mensem.	Total for the Half-year.	Number.	Total for the Half-year.	Number of each grade.	Maximum rate of salary.	Total Amount per mensem.	Total for the Half-year.
(b.) Station Staff.		Rs.	Rs.	Rs.		Rs.		Rs.	Rs.	Rs.
Station Masters	1	250	250	1,500	1	1,500	1	250	250	1,500
Do. do.	1	225	210	1,260	1	1,350	1	225	225	1,350
Do. do.	2	200	360	2,160	1	1,110	2	200	385	*i* 2,310
Do. do.	1	175	175	1,050	2	2,100	1	175	175	1,050
Do. do.	4	150	520	3,120	4	3,060	4	150	510	3,060
Do. do.	3	125	350	2,100	3	2,250	3	125	375	2,250
Station Masters, Junc. Supts., &c., (under Rs. 100) ...	5	110	488	2,930	5	3,120	5	110	520	3,120
Block Signallers and allowance	242	90	6,981	41,887	253	43,914	255	90	7,327	*j* 43,962
Chief Booking Clerk	9	50	267	1,602	9	2,220	9	50	370	2,220
Coaching Clerks, &c., (under Rs. 100)	1	100	100	600	1	600	1	100	100	600
Goods Agent	127	85	2,853	17,116	131	18,510	136	85	3,190	*k* 19,140
Goods Clerk	1	500	500	3,000	1	3,000	1	500	500	3,000
Do. (under Rs. 100)	1	120	120	720	1	720	1	120	120	720
Shunting Masters, &c., Do.	144	90	3,847	23,079	153	25,530	156	90	4.350	*l* 25,890
Porters, Peons, Pointsmen, and Signalmen, &c.	77	60	1,830	10,980	82	12,846	86	60	2,241	*m* 13,446
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Gatemen	254	12	1,544	9,266	284	10,602	290	12	1,802	*o* 10,812
Allowances	260	25	1,434	8,605	266	8,952	267	25	1,499	*p* 8,994
Loading and Unloading ...	...	...	291	1,743	...	1,500	...	...	250	1,500
Total ...	...	...	680	4,081	...	4,400	...	...	733	4,400
	2,371	...	...	1,89,220	2,515	2,04,242	2,564	...	...	2,07,566
Train Staff.										
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Do. and Assistant Guards (under Rs. 100)	163	90	7,515	45,125	165	46,080	168	90	7,750	*r* 46,500
Overtime	...	...	11	69	...	300	...	...	50	300
Travelling Ticket Collectors ...	3	55	106	636	4	798	4	55	133	798
Total ...	167	...	...	46,395	170	47,778	174	...	...	48,798

REMARKS.

i. Increase to Station Master of Madras Rs. 175 to 200 former sanctions Rs. 225.

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Amount.	No.	Particulars.
10		Increase to Station Master, Tyakal.
25	1	Asst. Station Master for Tyakal on a/c of block system.
25	1	Asst. Station Master for Krishnarajapuram on a/c of new Train service.
5		Increase to Station Master, Olavakode.
20	1	Station Master for Teroomali Kuppum Trial Station
15		Increase to Station Master Jakkulachervu on a/c of Block.
10		Increase to Asst. Station Master, Raichur.
10		Increase to Traffic Canvasser.
40		Increase to Traffic Inspector in lieu of 1 account Clerk withdrawn.
160	3	
Loss. 40	1	Account Clerk withdrawn.
120	2	
1,789		Deducted, being ½ of the pay of the Station Masters and Assistants where no Telegraph Staff is employed, as per statement attached, is deducted from the pay of the Station Masters and included in the Telegraph Staff.
1,669	2	

k.

20	1	Asst. Booking Clerk for Katpadi.
20	1	Asst. Booking Clerk for Gudiyatam in lieu of a Signaller withdrawn.
20	1	Asst. Booking Clerk for Vaniyambadi in lieu of a Signaller withdrawn.
20	1	Ticket Collector for Podanur.
20	1	Asst. Booking Clerk for Coimbatore.
5		Increase to Booking Clerk at Renigunta.
105	5	

15	1	Extra Clerk for Kolar Road.
20	1	Weigh Bridge Clerk for Bangalore City.
25	1	Extra Tranship clerk do.
60	3	

m.

20	1	Shunting Master for Bangalore Cantonment, due to night Service.
20	1	Number Taker for Bangalore City.
30	1	Platform Constable for Raichur.
30	1	Baggage Constable for Bangalore City.
100	4	

n

10		Increase to Porter Maistries at Salt Cotaurs.
7	1	Marker for Ambur.
14	2	Pointsmen for Kolar Road, due to night Service.
16	2	Pointsmen for Kuppam. do. do.
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14	2	Porters for Bangalore City, due to night Service.
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14	2	Porters for Goods Shed at Mettupalaiyam.
6	1	Porter for Pallipuram.
6	1	Porter for Nandalur.
7	1	Pointsman for Jakkulachervu.
9	1	Pointsman for Podanur.
228	30	
Less. 7	1	Pointsman at Cauvery withdrawn.
7	1	Peon at Coimbatore withdrawn.
214	28	

o.

5	1	Scavenger for Sevvapet. New Latrines.
5	1	Scavenger for Krishnarajapuram. do.
4	1	do. for Bangalore City.
5	1	do. for Thinnapetti. do.
3		Increase to Scavengers at Walayar Parli and Tanur.
6	1	Scavenger for Krishnapuram. New Latrines.
8	1	Masalchee for Raichur.
6	1	Scavenger for Jakkulachervu. do.
42	7	
Less. 7	1	Waterman at Timmancherla withdrawn.
35	6	

p. One Gateman for Raichur on Rs. 7.

q. Increase from Rs. 90 to 100 to an old and deserving Guard.

r. 2 Sets of Guards for new Train Service on Bangalore Branch, and annual increments to Guards.

MADRAS RAILWAY.

Traffic Department—*(concluded)*.

ABSTRACT D.

PARTICULARS.	Actuals for Half-year ended 31st December, 1889.				Sanctions for Half-year ending 30th June, 1890.		Proposed for the Half-year ending 31st December, 1890.				REMARKS.
	Number of each grade.	Maximum rate of salary.	Total Amount per mensem.	Total for the Half-year.	Number.	Total for the Half-year.	Number of each grade.	Maximum rate of salary.	Total Amount per mensem.	Total for the Half-year.	
		Rs.	Rs.	Rs.		Rs		Rs.	Rs.	Rs.	
2nd.—Fuel, Lighting, Water and General Stores.											
(1.)—Fire, Lights, Water and General Stores	...	...	6,302	37,811	...	38,000	...	...	6,333	38,000	
(2.)—Wagon Covers and Ropes, Tarpaulin Inspectors, &c.	3	80	100	599	3	660	3	80	110	660	
Do. Repairers ...	40	12	367	2,199	45	2,400	45	12	400	2,400	
Do. Materials ...	...	...	1,369	8,213	...	13,000	...	...	2,000	12,000	
(3.)—Office and Station fittings and furniture	...	...	353	2,117	...	4,000	...	...	500	3,000	
3rd.—Clothing	...	...	867	5,203	...	5,000	...	...	833	5,000	
4th.—Printing, Stationery and Tickets.											
Ticket Printer	1	100	81	485	1	600	1	100	100	600	
Do. do (under Rs. 100.)	4	50	125	748	5	1,170	5	50	195	1,170	
Peon	1	8	8	48	1	48	1	8	8	48	
Ticket, Stationery, &c. ...	...	...	5,770	34,623	...	30,000	...	...	5,333	*s* 32,000	
5th.—Charges for delivery and collection of Goods ...	...	...	169	1,012	...	750	...	...	125	750	
6th.—Miscellaneous Expenses	...	...	74	444	...	400	...	...	67	400	
Clock Winders	4	25	70	420	4	480	4	25	80	480	
Weighing Machine Inspector...	1	284	151	904	1	852	1	284	284	*t* 852	
Do. Fitters ...	2	100	200	1,200	2	1,200	2	100	200	1,200	
Do. Coolies ...	2	10	23	135	2	138	2	12	23	138	
Lamp Repairers ...	3	25	28	168	4	270	4	25	45	270	
7th.—Payments to other Lines.											
Mileage of Foreign Stock ...	...	...	...	...	...	...	...	...	...	...	
8th.—Unclassified Expenditure.											
Loss on Stores	...	...	...	...	...	...	...	...	...	...	
Carriage of Revenue Stores ...	...	...	231	1,384	...	1,000	...	...	166	1,000	
Loss by Exchange	...	...	1,768	10,608	...	8,000	...	...	1,333	8,000	
Grand Total...	2,763	...	...	4,01,940	2,921	4,22,682	2,975	...	...	4,26,583	
Telegraph Inspectors, Signallers, Clerks and Peons ...	122	125	5,708	34,256	122	36,342	121	125	6,123	*u* 36,738	

MADRAS, *9th May*, 1890.

(Signed) L. S. MOSS,
Traffic Manager.

s. To meet actuals.

t. Full pay for 3 months, other moiety provided in Abstract A.

u. Rs. 1,789 per mensem, being $\frac{1}{3}$ of the amount of Station Masters' salaries at small stations where no Signaller is kept, is debited to Telegraph Dept. and credited to the Traffic Department.

	7	1	Peon for Rayapuram Telegraph Office.
Less.	28	1	Signaller at Gudiyatam withdrawn.
,,	25	1	do. at Vaniyambadi withdrawn.
Less.	46	1	

MADRAS RAILWAY.

Traffic Department—*(concluded)*.

ABSTRACT D.

PARTICULARS.	Actuals for Half-year ended 31st December, 1889.				Sanctions for Half-year ending 30th June, 1890.		Proposed for the Half-year ending 31st December, 1890.				REMARKS.
	Number of each grade.	Maximum rate of salary.	Total Amount per mensem.	Total for the Half-year.	Number.	Total for the Half-year.	Number of each grade.	Maximum rate of salary.	Total Amount per mensem.	Total for the Half-year.	
		Rs.	Rs.	Rs.		Rs		Rs.	Rs.	Rs.	
2nd.—Fuel, Lighting, Water and General Stores.											
(1.)—Fire, Lights, Water and General Stores	...	...	6,302	37,811	...	38,000	...	...	6,333	38,000	
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Ticket Printer	1	100	81	485	1	600	1	100	100	600	
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Peon	1	8	8	48	1	48	1	8	8	48	
Ticket, Stationery, &c. ...	...	...	5,770	34,623	...	30,000	...	...	5,333	*s* 32,000	*s.* To meet actuals.
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Do. Fitters ...	2	100	200	1,200	2	1,200	2	100	200	1,200	
Do. Coolies ...	2	10	23	135	2	138	2	12	23	138	
Lamp Repairers ...	3	25	28	168	4	270	4	25	45	270	
7th.—Payments to other Lines.											
Mileage of Foreign Stock ...	...	...	...	...	...	...	...	...	...	...	
8th.—Unclassified Expenditure.											
Loss on Stores	...	...	...	...	...	...	...	...	...	...	
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Grand Total...	2,763	...	...	4,01,940	2,921	4,22,682	2,975	...	...	4,26,583	
Telegraph Inspectors, Signallers, Clerks and Peons ...	122	125	5,708	34,256	122	36,342	121	125	6,123	*u* 36,738	*u.* Rs. 1,789 per mensem, being $\frac{1}{3}$ of the amount of Station Masters' salaries at small stations where no Signaller is kept, is debited to Telegraph Dept. and credited to the Traffic Department.

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Less.	46	1	

MADRAS, *9th May*, 1890.

(Signed) L. S. MOSS,
Traffic Manager.

MADRAS RAILWAY.

Statement of Allowances to be paid to Officers and Servants of the Traffic Department, provided for in the Establishment List for the Half-year ending 31st December, 1890.

No.	Designation.	Allowances.			Nature of Allowances.
		Rs.	A.	P.	
	Traffic Manager ...	105	0	0	Fixed allowance in lieu of Travelling Expenses.
	Deputy Traffic Manager ...	60	0	0	Do do do
	Asst. Traffic Managers in charge of a Division ...	60	0	0	
	Do do N.-W. Line allowances ...	50	0	0	
	Do do Presidency allowance ...	50	0	0	
1	Patakottacheru Station ...	4	0	0	Water allowance.
1	Nancherla Station ...	8	0	0	Do do
1	Aspari do ...	8	0	0	Do do
1	Kosgi do ..	8	0	0	Do do
1	Tungabhadra do ...	8	0	0	Do do
1	Matmari do ...	8	0	0	Do do
1	Kupgal do ...	4	0	0	Do do
1	Mallagavalli do ...	2	0	0	Do do
1	Station Master, Samalpati ...	5	0	0	Special do Unhealthy Station.
1	Do do Mullapuram ...	5	0	0	Do do do do
1	Assistant Station Master, Mullapuram ...	5	0	0	Do do do do
1	Station Master, Kadiampatti ...	5	0	0	Do do do do
1	Do do Walayar ...	5	0	0	Do do do do
1	Do do Kanyikod ...	5	0	0	Do do do do
6	Station Masters, Shoranur, Rs. 1-8-0; Gudalur, Rs. 2-0-0; Karaimadi, Rs. 2-8-0; Kadalundi, 1-8-0; Cauvery, 1-8-0; and Palghat, Rs. 10 (on account of House-rent) ...	19	0	0	Special allowance.
1	Travelling Ticket Inspector ...	10	0	0	Fixed allowance in lieu of Travelling Batta
2	Do do Collectors at Rs. 5 each ...	10	0	0	Do do do

All Guards working on the North-West Line between Arkonam and Raichur (1st and 2nd Divisions) are allowed 10 per cent. on their salaries.

Signallers in charge of Cuddapah, Gooty and Raichur Offices are allowed Rs. 10 each over and above their salaries, and the 2nd grade Signallers placed at the above Stations, as well as the Signallers at Adoni, are allowed at Rs. 5 each. Junior Signallers at Cuddapah, Gooty, Raichur and Guntakal Junction are allowed 10 per cent. on their salaries.

Overtime.—Guards allowed $\frac{2}{3}$ day's pay or $\frac{1}{3}$ day's pay according to the number of hours they are required to work after their ordinary daily work is ended.

Traffic Manager's Office.—Staff Section Clerks' Overtime.—Staff Section Clerks are allowed two extra days' pay monthly when engaged on Sundays in preparing the pay sheets, provided that the total amount does not exceed Rupees 15.

Batta.—Clerks, Head Porters, Peons, &c., are allowed, when travelling, Batta according to the Batta Scale printed in the Traffic Manager's Gazette of May, 1881.

Madras, *9th May*, 1890.

(Signed) L. S. MOSS,

Traffic Manager.

Madras Railway, Establishment List for the Half-year ending 31st December, 1890.

STATIONS.	Station Masters, Junction Superintendents and Inspectors.		Goods Clerks.		Coaching Clerks and Ticket Collectors.		Shunting Master, No. Takers, Baggage and Luggage Constables.		Peons, Signalmen, Porters, Markers and Pointsmen.		Waiting Room Attendants, Guards' Cooks, Watermen, Mussalchees, Dhoby and Gardeners.		Gatemen.		Total Regular Staff at full pay.		Telegraph Inspectors, Signallers, Clerks and Peons.		REMARKS.
	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	
1st and 2nd Divisions, South-West Line.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.	
Madras	1	200	...	...	1	100	...	...	...	...	...	...	...	...	...	...	1	100	
(under Rupees 100)...	3	110	...	...	23	563	7	210	61	424	16	99	19	144	131	1,850	28	788	
Rayapuram	1	90	2	50	2	65	1	25	13	94	2	11	2	11	23	346	3	90	
Washermenpet	2	30	...	...	...	...	...	...	1	6	...	...	...	...	3	36	...	...	
Salt Cotaurs	...	...	2	620	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
(under Rupees 100)...	8	215	63	1,690	...	...	4	83	150	1,242	7	45	...	...	234	3,895	2	45	
Perambur	1	90	...	...	5	120	...	...	8	63	2	9	5	28	21	310	2	50	
Connur	1	15	...	...	...	...	...	...	1	6	...	...	1	6	3	27	...	...	
* Ambatur	1	30	...	...	...	...	...	...	3	20	1	6	...	...	5	56	...	...	
* Avadi	1	70	...	...	...	...	...	...	4	26	1	5	1	6	7	107	...	...	
* Tinnanur	1	40	...	...	...	...	...	...	3	20	1	6	1	6	6	72	...	...	
* Sevvapet Road	1	20	...	...	...	...	...	...	2	14	1	5	...	...	4	39	...	...	
* Tiruvallur	1	60	...	...	1	25	...	...	5	35	4	26	1	5	12	151	...	...	
* Kadambatur	1	35	...	...	...	...	...	...	3	20	1	6	1	6	6	67	...	...	
* Chinnamapet...	1	35	...	...	...	...	...	...	3	20	1	6	...	...	5	61	...	...	
Arkonam	1	185	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
(under Rupees 100)...	2	120	3	90	10	208	5	160	52	416	8	52	2	11	83	1,242	16	510	
* Minnal	2	60	...	...	...	...	...	...	3	21	...	...	...	...	5	81	...	...	
* Sholinghur	2	75	...	...	...	...	...	...	5	32	2	11	...	...	9	118	...	...	
* Arcot	2	100	2	60	2	35	1	25	21	146	2	14	...	...	30	380	...	...	
* Tiruvallum	2	70	...	...	...	...	...	...	4	26	1	5	1	6	8	107	...	...	
Catpaudy	1	100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
(under Rupees 100)...	1	60	7	160	4	95	3	75	40	290	6	36	2	11	64	827	3	140	
* Virinjipuram...	2	70	...	...	...	...	...	...	4	27	1	6	...	...	7	103	...	...	
* Gudiyatam	2	160	...	...	1	20	...	...	11	70	2	13	2	11	18	274	...	...	
* Ulli	1	20	...	...	...	...	...	...	3	19	...	...	...	...	4	39	...	...	
* Mailpati	2	75	...	...	...	...	...	...	6	40	1	6	1	6	10	127	...	...	
* Ambur	2	80	...	...	...	...	...	...	7	47	2	15	...	...	11	142	...	...	
* Vaniyambadi...	2	85	...	...	1	20	...	...	12	75	2	12	...	...	17	192	...	...	
* Ketandapatti	1	20	...	...	...	...	...	...	3	19	...	...	...	...	4	39	...	...	
Jalarpet	1	225	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
(under Rupees 100) ...	2	140	3	90	10	210	6	190	63	539	6	36	...	...	91	1,430	7	275	
* Patchur	2	55	...	...	...	...	...	...	5	40	...	...	...	...	7	95	...	...	
* Mulanur	2	55	...	...	...	...	...	...	4	28	...	...	...	...	6	83	...	...	
* Kuppam	2	75	...	...	...	...	...	...	8	59	3	18	1	6	14	158	...	...	
* Kamasamudram	2	70	...	...	...	...	...	...	4	26	1	6	...	...	7	102	...	...	
Kolar Road	2	140	5	118	1	20	1	25	34	244	3	19	...	...	46	566	1	28	
* Tyakal	2	60	...	...	...	...	...	...	4	27	1	7	...	...	7	94	...	...	
* Malur	2	90	...	...	...	...	...	...	5	35	1	7	...	...	8	132	...	...	
Devangoondi	1	20	...	...	...	...	...	...	2	13	...	...	...	...	3	33	...	...	
* Kadgodi	2	70	...	...	...	...	...	...	4	28	1	6	...	...	7	104	...	...	
* Krishnarajapuram	2	65	...	...	...	...	...	...	2	14	1	5	2	11	7	95	...	...	
Bangalore Cantonment .	1	175	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
(under Rupees 100) ...	1	60	6	175	7	185	3	70	41	307	4	25	1	7	64	1,004	3	155	
Do. City	1	120	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
(under Rupees 100) ...	1	70	9	255	5	120	5	125	26	192	6	37	...	...	53	919	2	73	
* Tirupatur	2	90	...	...	1	20	...	...	9	62	2	12	...	...	14	184	...	...	
* Kagankerai	1	20	...	...	...	...	...	...	2	12	...	...	...	...	3	32	...	...	
* Samalpati	2	70	...	...	...	...	...	...	4	27	2	12	2	11	10	120	...	...	
* Kallavi	1	20	...	...	...	...	...	...	3	19	1	6	...	...	5	45	...	...	
* Morappur	2	75	...	...	...	...	...	...	6	36	1	6	2	11	11	128	...	...	
* Baddireddipatti	1	20	...	...	...	...	...	...	3	19	1	5	...	...	5	44	...	...	
* Mallapuram	2	70	...	...	...	...	2	50	8	54	2	15	...	...	14	189	...	...	
* Kadiampatti	1	35	...	...	...	...	...	...	2	13	1	6	1	6	5	60	...	...	
* Dinampatti	2	55	...	...	...	...	...	...	3	20	1	5	...	...	6	80	...	...	
Salem	1	135	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
(under Rupees 100) ...	1	70	5	120	5	110	2	75	28	207	5	37	2	11	49	765	10	306	
Ariyanur	1	15	...	...	...	...	...	...	1	6	...	...	...	...	2	21	...	...	
* McDonald's Choultry ...	2	70	...	...	...	...	...	...	3	20	1	5	...	...	6	95	...	...	
* Sankaridrug	2	80	...	...	...	...	...	...	6	39	2	11	...	...	10	130	...	...	
* Cauvery	2	38	...	...	...	...	...	...	2	13	...	...	...	...	4	51	...	...	
Erode	2	160	4	125	4	90	1	25	61	435	3	23	2	11	77	869	3	140	
* Perundurai	2	70	...	...	...	...	...	...	4	28	1	7	...	...	7	105	...	...	
Vijiamangalam	1	15	...	...	...	...	...	...	1	6	...	...	...	...	2	21	...	...	
* Uttukuli	2	70	...	...	...	...	...	...	4	27	1	5	...	...	7	102	...	...	
* Tirupur	2	85	1	23	1	20	...	...	13	86	2	11	...	...	19	225	...	...	
* Mangalam	2	60	...	...	...	...	...	...	2	14	1	5	2	11	7	90	...	...	
* Somanur	2	70	...	...	...	...	...	...	5	34	1	5	2	11	10	120	...	...	

Madras Railway, Establishment List for the Half-year ending 31st December, 1890.

STATIONS.	Station Masters, Junction Superintendents and Inspectors.		Goods Clerks.		Coaching Clerks and Ticket Collectors.		Shunting Master, No. Takers, Baggage and Luggage Constables.		Peons, Signalmen, Porters, Markers and Pointsmen.		Waiting Room Attendants, Guards' Cooks, Watermen, Mussalchees, Dhoby and Gardeners.		Gatemen.		Total Regular Staff at full pay.		Telegraph Inspectors, Signallers, Clerks and Peons.		REMARKS.
	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	
		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.	
* Sulur	2	55	...	...	...	...	...	...	3	20	1	6	2	11	8	92	...	...	
* Singanallur	2	38	...	...	...	...	...	...	...	...	...	...	4	22	6	60	...	...	
Podanur	1	135	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
(under Rupees 100)...	2	140	2	60	7	110	4	130	37	279	7	37	2	11	62	902	7	268	
Coimbatore	2	120	2	75	4	95	...	...	20	133	1	6	2	11	31	440	1	50	
* Tudiyalur	1	40	...	...	...	...	...	...	3	21	1	6	...	...	5	67	...	...	
Gudalur	1	20	...	...	..	...	..	...	1	6	...	...	...	...	2	26	...	...	
* Karaimadai	1	40	...	...	...	...	...	...	3	21	1	5	2	11	7	77	...	...	
Mettupalaiyam	1	110	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
(under Rupees 100)...	...	..	1	50	3	85	...	...	14	96	6	34	2	12	27	387	2	78	
* Madukarai	1	40	...	...	...	...	...	...	3	20	1	5	...	...	5	65	...	...	
* Walayar	1	35	...	...	...	...	...	...	3	22	1	6	1	6	6	69	...	...	
* Kanyikod	1	40	...	...	...	...	...	...	3	20	1	5	1	5	6	70	...	...	
Olavakode	1	50	2	35	3	80	2	50	26	128	2	10	2	13	38	366	2	70	
* Palghat	1	90	3	90	3	75	...	...	24	161	2	12	1	6	34	434	...	...	
* Parli	1	45	...	...	...	...	...	...	3	20	1	5	1	6	6	76	...	...	
* Lakkidi	1	40	...	...	...	...	...	...	3	20	1	5	...	...	5	65	...	...	
* Ottapalam	1	40	...	...	...	...	...	...	4	26	2	12	..	...	7	78	...	...	
Shoranur	1	45	...	...	...	...	...	...	3	20	2	12	1	5	7	82	1	30	
* Pattambi	1	40	...	...	...	...	...	..	3	20	2	12	...	...	6	72	...	...	
Pallipuram	1	15	...	...	...	...	..	...	1	6	...	...	...	...	2	21	...	...	
* Kuttipuram	1	40	...	...	...	...	...	...	3	20	1	5	...	...	5	65	...	...	
Edakolam	1	20	..	...	...	...	...	...	...	...	1	2	...	...	2	22	...	...	
* Tirur	1	80	...	...	2	45	..	...	11	71	3	17	1	6	18	219	...	...	
* Tanur	1	45	...	...	...	...	...	...	3	19	1	5	..	...	5	69	...	...	
* Perpanangadi	1	45	...	...	...	...	...	...	3	20	1	5	1	5	6	75	...	...	
* Kadalundi	1	30	...	...	..	...	...	...	3	20	...	...	...	...	4	50	...	...	
Ferok	1	50	1	30	1	20	...	...	23	144	2	13	4	25	32	282	1	20	
* Kallai	1	40	...	...	...	...	...	...	7	49	1	6	2	11	11	106	...	...	
Calicut	1	125	...	...	..	...	...	...	...	...	...	...	...	...	...	...	..	..	
(under Rupees 100)...	...	...	6	200	6	160	2	50	38	244	3	20	1	6	57	805	4	144	
TOTAL...	144	6,856	129	4,116	113	2,696	49	1,368	1,048	7,573	164	987	86	525	1,733	24,121	99	3,360	

1st and 2nd Divisions, N.-W. Line.																		
* Tirutani	2	80	...	...	...	...	...	...	7	47	2	12	3	17	14	156	...	...
* Nagari	2	75	...	...	...	...	...	...	6	42	1	5	1	6	10	128	...	...
Tiroomali Kuppam	1	20	...	...	...	...	...	..	...	...	...	...	...	...	1	20	...	...
* Puttur	2	75	...	...	...	...	...	...	5	33	3	17	2	11	12	136	...	...
* Pudi	2	75	...	...	...	...	...	...	5	33	1	5	2	11	10	124	...	...
Renigunta	1	125	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...
(under Rupees 100)...	2	70	4	120	8	195	6	183	48	358	6	46	...	...	75	1,097	5	175
* Mamandur	2	70	...	...	...	...	...	...	3	24	1	7	2	11	8	112	...	...
* Pethapaud	2	70	...	...	...	...	...	...	3	21	1	6	...	...	6	97	...	...
* Kodur	2	75	...	...	...	...	...	...	6	42	3	18	...	...	11	135	...	...
* Urampad	2	70	...	...	...	...	...	...	3	20	1	6	...	...	6	96	...	...
* Reddipalle	2	70	...	...	...	...	...	...	4	26	2	12	...	...	8	108	...	...
* Rajampet	2	75	...	...	...	...	...	...	6	39	2	12	1	6	11	132	...	...
* Nandalur	2	70	...	...	...	...	...	...	6	39	2	12	...	...	10	121	...	...
* Vontimitta	2	70	...	...	...	...	...	...	4	28	2	12	...	...	8	110	...	...
* Siddhavattam	2	55	...	...	...	...	...	...	2	14	...	...	...	...	4	69	...	...
Cuddapah	1	125	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...
(under Rupees 100) ...	1	70	6	158	6	113	3	105	40	283	5	55	2	11	64	920	6	243
* Krishnapuram	2	70	...	...	...	...	...	...	4	27	1	6	...	...	7	103	...	...
Valur	1	20	...	...	...	...	...	...	1	6	...	...	...	...	2	26	...	...
* Kamalapuram	2	70	...	...	...	...	...	...	4	27	2	12	2	11	10	120	...	...
* Yerraguntla	2	80	...	...	...	...	...	...	6	40	3	20	...	...	11	140	...	...
* Muddanur	2	75	...	...	...	...	...	...	4	27	1	6	...	...	7	108	...	...
* Mangapatnam	1	20	..	...	...	...	...	...	1	7	...	...	2	11	4	38	...	...
* Kondapuram	2	70	...	...	...	...	...	...	3	21	2	13	...	...	7	104	...	...
Vanganur	1	15	...	...	...	...	...	...	...	...	...	...	1	6	2	21	...	...
* Tadpatri	2	85	1	23	...	...	...	...	12	77	3	19	...	...	18	204	...	...
* Penner	1	35	...	...	...	...	...	...	3	21	...	...	1	6	5	62	...	...
* Rayalcheru	1	40	...	...	...	...	...	...	2	14	1	6	2	12	6	72	...	...
* Jakkulachervu	1	30	...	...	...	...	...	...	1	7	1	6	...	...	3	43	...	...
Gooty	1	135	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(under Rupees 100) ...	1	70	1	40	4	88	1	40	22	160	3	21	2	11	35	565	5	206

Madras Railway, Establishment List for the Half-year ending 31st December, 1890.

STATIONS.	Station Masters, Junction Superintendents and Inspectors.		Goods Clerks.		Coaching Clerks and Ticket Collectors.		Shunting Master No. Takers, Baggage and Luggage Constables.		Peons, Signalmen, Porters, Markers and Pointsmen.		Waiting Room Attendants, Guards' Cooks, Watermen, Mussalchees, Dhoby and Gardeners.		Gatemen.		Total Regular Staff at full pay.		Telegraph Inspectors, Signallers, Clerks and Peons.		REMARKS.
	No.	Amount.	No.	Amount	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	
		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.	
* Patakottacheru	1	35	...	...	...	...	...	...	2	14	...	...	...	...	3	49	...	...	
* Timmancherla	1	40	...	...	1	25	...	...	5	38	1	6	1	6	9	115	...	...	
Guntakal Junction	...	...	*3*	*83*	...	...	*2*	*50*	...	...	...	...	...	...	5	*133*	*2*	*60*	
* Nancherla	1	35	...	...	...	...	...	...	2	14	1	8	1	6	5	63	...	...	
* Aspari	1	40	...	...	...	...	...	...	2	14	2	14	...	...	5	68	...	...	
Mallagavalli	1	20	...	...	...	...	...	...	...	...	...	...	...	...	1	20	...	...	
Adoni	1	90	2	65	1	23	...	...	18	122	3	19	2	13	27	332	1	50	
* Kupgal	1	35	...	...	...	...	...	...	2	14	1	7	...	...	4	56	...	...	
* Kosgi	2	70	...	...	...	...	...	...	2	14	1	8	...	...	5	92	...	...	
* Tungabhadra	2	70	...	...	...	...	...	...	2	14	2	13	...	...	6	97	...	...	
* Matmari	2	70	...	...	...	...	...	...	2	14	1	7	...	...	5	91	...	...	
Raichur	1	250	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
(under Rupees 100)...	1	80	12	330	4	150	7	235	28	230	7	57	2	15	62	1,347	3	165	
Total ...	67	2,990	29	819	24	594	19	613	276	1,971	68	473	29	170	512	7,630	22	899	
1st and 2nd Divisions, S.-W. Line	144	6,856	129	4,116	113	2,696	49	1,368	1,048	7,573	164	987	86	525	1,733	24,121	99	3,360	
1st and 2nd Divisions, N.-W. Line	67	2,990	29	819	24	594	19	613	276	1,971	68	473	29	170	512	7,630	22	899	
Travelling Ticket Collectors ...	...	...	...	...	4	133	...	...	...	...	...	...	...	...	4	133	...	...	
Block Signallers & Allowance.	9	370	...	...	...	...	...	...	...	...	...	...	...	...	9	370	...	...	
Relieving Staff	54	1,280	...	...	...	...	18	260	21	163	...	...	...	...	93	1,703	...	...	
Inspectors	7	430	...	...	...	...	...	...	...	...	...	...	...	...	7	430	...	...	
Conservancy	...	...	...	...	...	...	...	...	...	...	58	342	...	...	58	342	...	...	
Gatemen, Engineering ...	...	...	...	...	...	...	...	...	...	...	...	...	152	804	152	804	...	...	
Total ...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	
Telegraph Signallers, North-West Line Allowance ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	75	
Grand Total ...	281	11,926	158	4,935	141	3,423	86	2,241	1,345	9,707	290	1,802	267	1,499	2,568	35,533	121	4,334	

N.B.—At the stations marked with an Asterisk no Signallers are employed and therefore ⅓ of the pay of the Station Masters and Assistants is transferred from the cost of the Traffic Staff and charged to the Telegraph Department Abstract **E** as Signallers.

MADRAS, *9th May*, 1890.

(Signed) L. S. MOSS,

Traffic Manager.

MADRAS RAILWAY.

Establishment List of Railway Schools for Half-year ending 31st December, 1890.

PARTICULARS.	Actuals for Half-year ended 31st December, 1889.				Sanctions for Half-year ending 30th June, 1890.		Proposed for the Half-year ending 31st December, 1890.			
	Number of each grade.	Maximum rate of salary.	Total Amount per mensem.	Total for the Half-year.	Number.	Total for the Half-year.	Number of each grade.	Maximum rate of salary.	Total Amount per mensem.	Total for the Half-year.
		Rs.	Rs.	Rs.		Rs.		Rs.	Rs.	Rs.
Teachers. Masters ...	2	80	140	840	2	6,000	2	100	1,000	6,000
Teachers. Mistresses ...	15	50	608	3,647	18		18	60		
Gymnastic Instructor ...	1	30	30	180	1	180	1	30	30	180
Clerk	1	10	10	60	1	90	1	15	15	90
School Servants	11	7	69	414	13	500	13	7	83	500
Grants-in-aid	...	...	...	...	...	100	...	...	...	100
Rent of School, Raichur ...	...	...	...	382	...	385	...	...	...	*a* 385
Books and Stores	...	...	...	1,110	...	1,000	...	...	...	1,000
School Prizes	...	...	...	260	...	250	...	...	...	*b* 250
Travelling Allowances ...	...	...	...	92	...	300	...	...	...	300
				6,985		8,805				8,805
Less School Fees, Government grants, &c.	...	...	...	1,830	...	2,505	...	...	...	2,500
Total ...	30	...	...	*c* 5,155	35	6,300	35	...	...	6,305

MADRAS, 10*th May*, 1890.

(Signed) F. H. TREVITHICK,
Ag. Agent and Manager.

REMARKS.

a. Divisible between Madras and G. I. P. Railways.

b. Annual charge—*Vide* Consulting Engineer's letter, No. 632, dated 13th October, 1886.

c. Net expenditure chargeable to Revenue.

MADRAS RAILWAY.

Length, 839 Miles, 23 Chains, 54 Feet.

Summary of Cost of Working and Maintaining the Open Line for the Half-year ending 31st December, 1890.

Page.	HEAD OF ACCOUNT.		Sanctions. 1st half of 1890.	Sanctions. 2nd half of 1890.	Actual, 2nd half of 1889.
			Rs.	Rs.	Rs.
44	Maintenance of Way, Works and Stations...	Abstract. A ...	8,44,986	7,78,900	8,64,530
54	Locomotive Expenses	B ...	8,67,959	9,24,048	9,12,010
56	Carriage and Wagon Expenses ...	C ...	4,03,864	3,82,359	3,66,649
64	Traffic Expenses	D ...	4,22,682	4,26,583	4,01,941
20	General Charges	E ...	2,90,715	2,89,897	2,67,180
22	Special and Miscellaneous Expenses ...	G ...	26,500	29,000	21,432
		Total ...	28,56,706	28,30,787	28,33,742
	Estimated average earnings per open mile ...		5,231	5,231	5,486
	Monthly cost of Establishment		1,58,168	1,57,870	1,49,681
	Cost of Establishment per open mile		1,131	1,129	1,070
			Ms. Ch. Ft.	Ms. Ch. Ft.	Ms. Ch. Ft.
	Number of miles open throughout the half-year ...		839 21 53½	839 23 54	839 23 54

	Rupees.
Estimated Gross Earnings	43,90,000
Do. Expenses being 64·48 per cent	28,30,787
Estimated net profits ...	15,59,213

Estimated Train Mileage 11,85,000 miles.

REMARKS.

Summary of Estimates for the Half-year ending 31st December, 1890.

PARTICULARS.	Page.	Estimate for 1890.	Corresponding Sanction for 1889.	Actual Expenditure for 1889.	Comparison of Estimate for 1890 with actual Expenditure for 1889. Increase.	Decrease.
Agent and Manager's Office ...	2	31,064	25,869	25,521	*a* 5,543	...
Audit Office	4 to 9	79,413	79,117	74,063	*b* 5,350	...
General Stores Department ...	10	12,384	13,584	12,111	*c* 273	...
Medical Department	12	22,683	21,766	20,886	*d* 1,797	...
Police Department	14	24,122	23,555	23,314	*e* 808	...
Electric Telegraph Department—						
Do. (Telegraph) ...	16	30,693	29,326	27,420	*f* 3,273	...
Do. (Traffic) ...	...	36,738	36,072	34,256	*g* 2,482	...
Miscellaneous Charges	18	81,800	79,300	71,040	*h* 10,760	...
Engineering Department—						
Establishment	24	1,31,219	1,41,274	1,28,518	*i* 2,701	...
Maintenance	42	6,47,681	6,10,641	7,36,012	...	*j* 88,331
Locomotive Department—						
Wages	48	5,66,205	5,67,487	5,57,024	*k* 9,181	...
Stores	...	7,97,702	7,07,100	7,82,446	*l* 15,256	...
Traffic Department—						
1. Salaries, Wages, &c. ...	60	3,18,615	3,07,422	2,93,619	*m* 24,996	...
2. Fuel, Lighting, Water and General Stores	64	56,060	58,060	50,939	*n* 5,121	...
3. Clothing	...	5,000	5,000	5,203	...	203
4. Printing, Stationery and Tickets ...	...	33,818	31,818	35,904	...	*o* 2,086
5. Charges for Collection and Delivery of Goods, &c. ...	...	750	750	1,012	...	262
6. Miscellaneous Expenditure ...	...	3,340	3,340	3,271	69	...
8. Unclassified Expenditure ...	...	9,000	9,000	11,992	...	*o* 2,992
Total Rs ...	...	28,88,287	27,50,481	28,94,551	87,610	93,874
Revenue Abstracts. A	44	7,78,900	7,51,915	8,64,530	...	85,630
Do. B	54	9,24,048	8,40,912	9,12,010	12,038	...
Do. C	56	3,82,359	3,76,475	3,66,649	15,710	...
Do. D	64	4,26,583	4,15,390	4,01,941	24,642	...
Do. E	20	2,89,897	2,80,089	2,67,180	22,717	...
Do. G	22	29,000	28,500	21,432	7,568	...
Total Rs ...	...	28,30,787	26,93,281	28,33,742	82,675	85,630

F. H. TREVITHICK,

Ag. Agent & Manager.

SIDNEY SMITH, MAJOR, R. E.,

Offg. Consulting Engineer for Railways.

REMARKS.

a. Provision made for half salary of Locomotive Superintendent who is to act for Agent and Manager, and increase to Head Clerk from Rs. 175 to 200 per mensem.

b. Chief Auditor's half salary in 1889 not drawn. Portion of 3rd Assistant Auditor's salary saved in current half-year and provision made for 7 additional Clerks

c. Portion of General Storekeeper's salary not darwn for 2 months in 1889.

d. Increases to salaries of Apothecaries and increases to Vaccinators in current half-year.

e. Provision made for 2 Clerks, 4 Extra Watchmen, and increases to Naigues and Watchmen. Expenditure under Stationery and Contingencies in 1889, below sanction.

f. Expenditure in 1889 under Inspectors, Linemen and Travelling Allowances, &c., below sanction. Provision made for increase of pay to Assistant Telegraph Engineer and Head Clerk and for Clothing to Linemen and Peons in current half-year.

g. Expenditure in 1889, below sanction. Rs. 1,789 per mensem transferred from Station Staff.

h. Expenditure in 1889, below sanction.

i. Expenditure for "Engineers" and "Permanent Way Inspectors" below sanction in 1889. Increases provided this half-year for Engineers.

j. Expenditure under "Maintenance" in 1889 abnormally high due to Capital portion of Expenditure on Beypore-Calicut extension amounting to Rs. 1,94,324-6-10 having been transferred to Revenue.

k. Expenditure under Foremen in 1889 below sanction and increased provision for Drivers, etc., borne on Muster Roll.

l. Increased provision under Oil, Coal, Coke, etc.

m. Increase of pay provided for Traffic Manager and increased provision for Station Staff.

n. Expenditure in 1889 below sanction.

o. Expenditure in 1889, in excess of sanction.