Public Works (1899) Department.

RAILWAY BRANCH.

G.O., No. 650-51. Ry

DATED 10th June 1899.

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[Despatch Abstract.]

Capital & Revenue Revised Budget Estimates,
Madras Ry

Directing ~~that~~ that the Final issue often — for the
Years 1898-99 & 1899-1900, be fixed at the Est.d.

Forwarding the Final issue often — for
the Years 1898-99 & 1899-1900.

P. W. D.
21-24-5-25

Indexed

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

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G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

RAILWAY.

Government {1899} of Madras.

PUBLIC WORKS.

Recd. } 1899. *Enclosures*

Regd. *Spare copies*

G.O., No. 650 Ry., 10th June 1899.

JUNE.

Capital and Revenue Revised and Budget Estimates, Madras Railway

Directing that the Final issue of the — for the years 1898-99 and 1899-1900, be forwarded to the Government of India.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Railway.

Read the following paper :—

From—The Agent and Manager, Madras Railway.
To—The Consulting Engineer for Railways.
Dated—Madras, 11th May 1899, No. 10352/537.

ORDER—No. 650 Ry., dated 10th June 1899.

Ordered that the Final Issue of the Capital and Revenue Revised and Budget Estimates of the Madras Railway for the years 1898–99 and 1899–1900, be forwarded to the Government of India.

[Here enter No. 651 Ry., dated 10th June 1899.]

(True Extract.)

FRANCIS J. E. SPRING,
Joint Secretary.

To the Agent and Manager, Madras Railway.
" Examiner, Guaranteed Railway Accounts, Madras.
" Consulting Engineer for Railways.

Exd. T. K. Narayana Aiyangar.

FINAL ISSUE.

CAPITAL AND REVENUE REVISED AND BUDGET ESTIMATES

OF THE

MADRAS RAILWAY

FOR THE YEARS

1898-99 & 1899-1900.

CAPITAL ACCOUNT.

ABSTRACT of the ESTIMATED CASH EXPENDITURE on the MADRAS RAILWAY for the official year 1899–1900.

Particulars.	Actuals for 1897–98.	Budget estimate for 1898–99.	Revised estimate for 1898–99.	Budget estimate for 1899–1900.
INDIAN.				
CAPITAL OUTLAY.	RS.	RS.	RS.	RS.
Engineering Department.				
Sanctioned works as per schedule A ...		1,56,613	1,34,435	1,13,191
Works to be sanctioned as per schedule B ...		3,18,434	...	1,61,745
Emergent works as per schedule D		...	...	...
Locomotive Department.				
Sanctioned works as per schedule A	2,66,191	5,453	1,673	3,646
Works to be sanctioned as per schedule B ...		300	...	300
Carriage and Wagon Department.				
Sanctioned works as per schedule A		94,152	23,484	1,06,654
Works to be sanctioned as per schedule B ...		82,900	...	21,400
General.				
Establishment	...	...	...	...
Stores as per schedule E	18,93,119	20,12,148	16,40,408	15,41,064
Miscellaneous	3,057	5,000	4,000	5,000
Suspense miscellaneous	1,35,537	1,50,000	3,96,000	1,50,000
Increase or decrease of balance of Capital Advance Account	**76,023**	...	...	...
Total, Withdrawals on Capital Account ...	22,21,881	28,25,000	22,00,000	21,03,000
Receipts to be credited to Capital Account.				
Share capital paid in India	...	...	...	...
Refunds for stores sold to Revenue, &c. ...	25,86,479	25,00,000	24,50,000	22,00,000
Other refunds—				
Home expenditure, &c.	2,18,799	3,00,000	5,50,000	3,00,000
Total, Payments on Capital Account ...	28,05,278	28,00,000	30,00,000	25,00,000
Net cash demand in India on Capital Account ...	**5,83,397**	25,000	**8,00,000**	**3,97,000**
ENGLAND.				
Probable amount of outstanding indents of the previous year	...	7,36,026	3,35,000	3,00,000
Probable amount of indents to be sent home for compliance during the year	...	16,52,338	8,61,000	13,43,000
Total ...	...	23,88,364	11,96,000	16,43,000
Deduct probable amount of outstanding indents at the close of the year ...	...	6,00,000	3,00,000	7,51,000
Total, Outlay for Stores ...	7,39,981	17,88,364	8,96,000	8,92,000
Home Expenditure and Payments.				
Home expenditure	79,419	81,818	83,000	83,000
Furlough and sick leave allowances		10,909	11,000	11,000
Family and sundry payments less receipts ...		10,909	11,000	11,000
Total, Home Expenditure and Payments ...	79,419	1,03,636	1,05,000	1,05,000
Total, Cash Demand in England ...	8,19,400	18,92,000	10,01,000	9,97,000

REVENUE ACCOUNT.

ABSTRACT of ESTIMATED REVENUE RECEIPTS and EXPENDITURE of the MADRAS RAILWAY for the official year 1899–1900.

Particulars.	Actuals for 1897–98.	Budget estimate for 1898–99.	Revised estimate for 1898–99.	Budget estimate for 1899–1900.
RECEIPTS AS PER SCHEDULE F.	RS.	RS.	RS.	RS.
Coaching traffic	44,90,323	46,00,000	38,25,000	42,00,000
Goods do.	66,56,408	62,00,000	62,18,000	65,22,000
Electric Telegraph earnings	19,703	20,000	17,000	18,000
Sundries	2,21,867	1,80,000	1,90,000	1,60,000
Total (1) ...	1,13,88,301	1,10,00,000	1,02,50,000	1,09,00,000
Receipts on account of traffic appertaining to other lines	17,95,328	16,00,000	18,00,000	18,00,000
Receipts from Capital Account other than traffic earnings				
Receipts from foreign lines other than traffic earnings				
Other abnormal receipts in detail or as per schedule attached	...	...	...	...
Total, Payments into Treasury on Revenue Account (2) ...	1,31,83,629	1,26,00,000	1,20,50,000	1,27,00,000
EXPENDITURE AS PER SCHEDULE G.				
Maintenance of way, works and stations ...	12,41,243	13,00,000	12,52,000	12,57,000
Locomotive expenses	21,33,395	21,00,000	20,62,000	20,86,000
Carriage and wagon expenses	6,05,445	5,50,000	4,41,000	4,33,000
Traffic expenses	8,36,170	8,50,000	8,53,000	8,24,000
General charges	5,81,280	6,05,000	5,90,000	5,84,000
Special and miscellaneous expenditure ...	1,08,299	95,000	1,02,000	1,16,000
Total (3) ...	55,05,832	55,00,000	53,00,000	53,00,000
Payments to other lines of their proportion of through traffic, &c.	17,86,328	16,00,000	18,00,000	18,00,000
Payments to Capital Account other than for stores, &c., included in the working expenses in schedule G				
Other abnormal payments in detail or as per schedule attached	...	...	...	...
Total, Withdrawals from Treasury on Revenue Account (4) ...	72,92,160	71,00,000	71,00,000	71,00,000
Net earnings (1) — (3) ...	58,82,469	55,00,000	49,50,000	56,00,000
Net receipts (2) — (4) ...	58,91,469	55,00,000	49,50,000	56,00,000
Surplus profits, Company's share ...	85,969	...	94,114	44,000
Contribution to Provident Institution ...	10,224	...	48,886	56,000

CAPITAL.

Schedule A or Construction Works—Part I.

Budget Estimate of Sanctioned Works of the Madras Railway for the official year 1899–1900.

Number of items.	Sanctions. Number.	Sanctions. Date.	Particulars.	Amount of estimate. Cash outlay in India.	Value of stores.	Total expenditure.	Actual expenditure up to close of official year 1897-98. Cash outlay in India.	Value of stores.	Total.	Probable expenditure during 1898-99. Cash outlay in India.	Value of stores.	Total.	Budget Estimate of expenditure for official year 1899-1900. Cash outlay in India.	Value of stores.	Total.	Estimated expenditure in future years.	Remarks.
			Engineering Department.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
			Bridge work.														
1	G.O., No. 132 R. M.O.M. .. M.O.M. .. M.O.M. .. M.O.M. ..	17th Feb. 1896. 29th Oct. 1897. 3rd Dec. ,, 25th Mar. 1898. 18th Oct. ,,	Converting the 30-feet arch bridge at 168/10 miles, Bangalore branch, into a girder opening.	5,450	2,379	7,829	3,169	1,502	4,671	937	..	937	..	..	..	..	
2	G.O., No. 834 R. M.O.M. ..	16th Oct. 1897. 6th Dec. 1898.	Diversion of the Koduru river at 107/10-11 miles, North-west line.	19,427	..	19,427	4,733	..	4,733	14,692	..	14,692	..	..	..	..	
3	G.O., No. 336 R. M.O.M. .. G.O., No. 1003 Ry. M.O.M. ..	11th May 1897. 25th Mar. 1898. 6th Aug. ,, 18th Oct. ,,	Restoration of bridge No. 251 at 107/10-11 miles, North-west line.	14,156	2,999	17,155	14,156	3,906	18,062	..	Cr. 907	Cr. 907	..	..	..	..	The alteration is due to re-allocation which has been approved of, but not recorded being under Rs. 500.
			Stations and Buildings.														
			Rayapuram.														
4	G.O., No. 728 R. M.O.M. .. M.O.M. .. M.O.M. ..	24th Sept. 1897. 13th ,, 1898. 24th Jan. 1899. 7th Mar. ,,	Alteration of sidings, &c., at Rayapuram.	1,456	4,331	5,787	780	439	1,219	676	3,499	4,175	..	..	..	..	
5	G.O., No. 719 Ry.	13th May 1898.	Extra accommodation to Chief Auditor's office over Ticket Printing office at Rayapuram.	6,790	4,528	11,318	..	..	..	2,830	5,518	8,348	2,970	..	2,970	..	Necessary re-allocation will be obtained.
6	G.O., No. 1164 Ry.	22nd Sept. 1898.	Additional rooms for Audit office on 3rd storey to replace rooms on groundfloor to be acquired for records at Rayapuram.	5,063	9,229	14,292	..	..	..	700	7,000	7,700	4,363	2,229	6,592	..	
7	G.I. No. 041 R.C. G.O., No. 264 Ry.	16th Feb. 1899. 6th Mar. ,,	Extension of Madras Railway from Rayapuram to Joint Station opposite to General Post Office on the beach.	35,079	37,694	72,773	..	..	..	550	15,000	15,550	34,529	22,694	57,223	..	
8	G.O., No. 693 R. M.O.M. .. M.O.M. .. M.O.M. ..	20th Sept. 1897. 25th Mar. 1898. 1st July ,, 6th Dec. ,,	Foot over-bridge at Elephant gate level crossings.	1,750	4,650	6,400	1,128	4,235	5,363	622	409	1,031	..	..	..	..	One-half of the cost borne by the Madras Municipality. The alteration is due to re-allocation which has been approved of, but not recorded being under Rs. 500.
			Washermanpet.														
9	G.O., No. 56 R. M.O.M. .. M.O.M. ..	26th Jan. 1897. 28th ,, 1898. 18th Oct. ,,	Extension of the through siding for the Ennur line at Washermanpet.	3,160	3,375	6,535	2,854	3,329	6,183	18	46	64	..	..	..	..	The alteration is due to re-allocation which has been approved of, but not recorded being under Rs. 500.
			Perambur Works.														
10	G.I. No. 104 R.C. G.O., No. 117 R. M.O.M. .. M.O.M. ..	27th Jan. 1896. 13th Feb. ,, 25th Mar. 1898. 18th April 1899.	Extension of the erecting shed, Foreman's office and tool stores at Perambur works.	20,211	17,335	37,546	12,024	13,223	25,247	1,402	2,717	4,119	..	..	..	..	
11	G.O., No. 1147 R. M.O.M. ..	16th Dec. 1897. 7th Mar. 1899.	Raising boundary wall at Perambur works.	4,809	950	5,759	185	..	185	81	612	693	..	..	..	..	
11A	G.O., No. 1020 Ry.	10th Aug. 1898.	Bungalow for Medical officer at Perambur.	5,381	4,219	9,600	..	..	..	20	5,000	5,020	3,980	600	4,580	..	The necessary re-allocation of the estimates will be obtained.
12	G.O., No. 1072 Ry.	20th ,, ,,	Bungalow for the Second Assistant Locomotive Superintendent at Perambur.	4,329	2,871	7,200	..	..	..	3,200	3,000	6,200	1,000	..	1,000	..	
13	G.O., No. 81 Ry. M.O.M. ..	17th Jan. ,, 6th Dec. ,,	Filling up side ditches at 3/13-20 miles, South-west line.	5,996	..	5,996	..	..	..	4,882	..	4,882	..	..	..	..	
			Arkonam.														
14	G.O., No. 513 Ry.	1st April 1898.	Converting the existing Telegraph workshop and store yards into quarters for weigh-bridge fitter, and his assistant and a power house for electric lighting installations at Arkonam.	3,970	1,333	5,303	..	..	..	1,883	3,579	5,462	..	..	..	..	Sanction will be obtained for the excess,
			Jalarpet.														
15	G.O., No. 4 R. M.O.M. .. M.O.M. .. M.O.M. .. M.O.M. ..	4th Jan. 1897. 25th Mar. 1898. 1st July ,, 13th Sept. ,, 6th Dec. ,,	Additional water-supply at Jalarpet ..	6,572	4,322	10,894	2,767	2,384	5,151	656	1,938	2,594	3,149	..	3,149	..	
			Bisanatham.														
16	G.O., No. 412 Ry. M.O.M. ..	15th Mar. 1898. 7th ,, 1899.	Station-house, &c., at Bisanatham ..	2,533	3,529	6,062	..	..	..	700	1,000	1,700	1,833	2,529	4,362	..	

Budget Estimate of Sanctioned Works of the Madras Railway for the official year 1899–1900—*cont.*

Number of items.	Sanctions. Number.	Sanctions. Date.	Particulars.	Amount of estimate. Cash outlay in India.	Value of stores.	Total expenditure.	Actual expenditure up to close of official year 1897–98. Cash outlay in India.	Value of stores.	Total.	Probable expenditure during 1898–99. Cash outlay in India.	Value of stores.	Total.	Budget estimate of expenditure for official year 1899–1900. Cash outlay in India.	Value of stores.	Total.	Estimated expenditure in future years.	Remarks.
			ENGINEERING DEPARTMENT—*cont.*	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
			Stations and Buildings—cont.														
			Whitefield (Watering Station).														
17	G.O., No. 964 R. M.O.M. .. M.O.M. .. M.O.M. .. M.O.M. ..	14th Nov. 1896. 29th Sept. 1897. 3rd Dec. „ 1st July 1898. 13th Sept. „	Watering arrangements from nullah at 203/14 miles, Bangalore branch.	3,105	14,873	17,978	210	6,280	6,490	1,214	11,703	12,917	4	..	4	..	Revised estimate will be submitted.
			Bangalore City.														
18	G.I. No. 94 R.C. G.O., No. 81 R. C.E. No. 3061. M.O.M. .. G.I. No. 1340 R.C. G.I. No. 1831 R.C. G.O., No. 1041 R. M.O.M. ..	30th Jan. 1894. 6th Feb. „ 30th Sept. 1895. 30th „ 1896. 8th „ „ 4th Dec. „ 14th „ „ 13th Sept. 1898.	Alterations and additions to station-house, platform, &c., at Bangalore City.	2,19,939	1,74,413	3,94,352	1,60,904	95,970	2,56,874	46,100	20,500	66,600	12,935	57,943	70,878	..	
			Mangalam.														
19	G.O., No. 1158 R. M.O.M. ..	17th Dec. 1897. 18th Oct. 1898.	Extension of goods godown and siding at Mangalam.	1,282	5,074	6,356	106	1,702	1,808	915	2,057	2,972	..	..	..	..	
			Kallayi.														
20	G.O., No. 269 R. M.O.M. ..	17th Feb. 1898. 24th Jan. 1899.	Additional dock at Kallayi	2,107	5,814	7,921	..	..	..	1,859	3,853	5,712	..	..	..	..	
			Ponpadi.														
21	G.O., No. 416 R. M.O.M. .. M.O.M. .. M.O.M. ..	25th June 1897. 1st July 1898. 13th Sept. „ 7th Mar 1899..	Station-house, &c., at Ponpadi	5,362	4,095	9,457	380	1,286	1,666	1,539	737	2,276	3,443	2,072	5,515	..	
			Nagari.														
22	G.O., No. 522 R M.O.M. .. M.O.M .. M.O.M. .. M.O.M. ..	15th Aug. 1895. 29th Sept. 1897. 29th Oct. „ 25th Mar. 1898. 1st July „ 13th Sept. „	Interlocking points and signals at Nagari.	830	8,462	9,292	1,149	8,405	9,554	177	49	226	..	..	..	..	Sanction for the excess over estimate will be obtained.
			Nandalur.														
23	G.I. No. 899 R.C. G.O., No. 907 Ry	28th June 1898. 11th July „	Conversion of Nandalur into an engine-changing station.	29,371	21,828	51,199	29,381	23,683	53,064	Cr. 10	Cr. 202	Cr. 212	..	..	..	..	Sanction for the excess will be obtained.
			Yerragudipad.														
24	G.O., No. 130 Ry.	24th Jan. 1898.	Station-house, &c., at Yerragudipad ..	7,834	4,176	12,010	..	..	..	7,900	3,000	10,900	..	1,110	1,110	..	Sanction for a re-allocation of the estimate will be obtained.
			Kalamala.														
25	G.O., No. 410 R. M.O.M. .. M.O.M. .. M.O.M. ..	19th June 1897. 1st July 1898. 13th Sept. „ 24th Jan. 1899.	Station-house at Kalamala	7,121	5,387	12,508	3,881	1,161	5,042	3,508	4,076	7,584	..	..	..	..	Sanction for excess over estimate will be obtained.
			Gooty.														
26	G.O., No. 898 R.	7th July 1898.	Locomotive workshops, alteration of locomotive sidings and new 50-feet engine turn-table in lieu of the existing 40-feet one at Gooty.	1,877	11,195	13,072	..	..	..	1,280	6,000	7,280	597	5,195	5,792	..	
27	G.O., No. 1159 R. M.O.M. .. M.O.M. ..	17th Jan. 1897. 29th July 1898. 7th Mar. 1899.	Twenty-two houses for subordinate staff (Traffic department).	4,630	2,760	7,390	35	574	609	1,125	2,000	3,125	3,470	186	3,656	..	
28	G.O., No. 1562 Ry.	19th Dec. 1898.	Twenty-five houses for subordinate staff (Traffic department).	4,491	2,935	7,426	..	..	..	470	935	1,405	4,021	2,000	6,021	..	
29	G.O., No. 208 R. M.O.M. .. M.O.M. .. M.O.M. ..	26th Mar. 1897. 26th Aug. „ 13th Sept. 1898. 6th Dec. „	Alteration of home signals so that their arms will fly to danger on any connection breaking on South-west and North-west lines.	4,185	4,340	8,525	3,930	3,436	7,366	..	1,682	1,682	..	..	..	..	Adjustment will be made for the excess.
30	G.O., No. 1169 R. M.O.M. ..	23rd Sept. 1898. 7th Mar. 1899.	Making and fitting Whitney's point bolt locks at points of blind sidings running off the main line and trapping points on the South-west and North-west lines.	1,177	5,683	6,860	..	..	..	..	..	..	1,177	5,683	6,860	..	
			Electric Telegraph.														
31	G.O., No. 1115 Ry.	3rd Sept. 1898.	Lighting the Arkónam station and yard by electricity.	2,470	15,251	17,721	612	11,670	12,282	250	500	750	1,608	3,081	4,689	..	
			Sanctioned minor works as per Schedule C.	86,316	78,688	1,65,004	12,328	13,171	25,499	34,259	39,384	73,643	34,112	27,371	61,483	..	
			Total, Engineering Department ..	5,28,229	4,68,718	9,96,947	2,54,712	1,96,356	4,51,068	1,34,435	1,44,655	2,79,120	1,13,191	1,32,693	2,45,884	..	

Budget Estimate of Sanctioned Works of the Madras Railway for the official year 1899-1900—*cont.*

Number of items.	Sanctions. Number.	Sanctions. Date.	Particulars.	Amount of estimate. Cash outlay in India.	Value of stores.	Total expenditure.	Actual expenditure up to close of official year 1897-98. Cash outlay in India.	Value of stores.	Total.	Probable expenditure during 1898-99. Cash outlay in India.	Value of stores.	Total.	Budget estimate of expenditure for official year 1899-1900. Cash outlay in India.	Value of stores.	Total.	Estimated expenditure in future years.	Remarks.
			LOCOMOTIVE DEPARTMENT.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
1	G.O., No. 804 R. M.O.M. .. M.O.M. ..	21st Sept. 1896. 29th April 1898. 13th Sept. ,,	Fitting automatic vacuum brake gear to ten engines.	2,496	12,124	14,620	2,459	8,882	11,341	21	395	416	..	..	..	..	*
2	G.I. No. 302 R.S. G.O., No. 642 R. M.O.M. ..	13th July 1896. 28th ,, ,, 28th Jan. 1898.	Do. do. do.	1,200	8,680	9,880	19	6,639	6,658	1,095	1,291	2,386	86	750	836	..	
3	G.O., No. 14 R. M.O.M. ..	8th ,, 1897. 28th ,, 1898.	Fitting automatic vacuum brake gear to four engines.	1,200	3,889	5,089	135	2,337	2,472	5	1,508	1,513	1,060	44	1,104	..	
4	G.I. No. 213 R.S. G.O., No. 391 R. M.O.M. .	22nd May 1897. 5th June ,, 28th Jan. 1898.	Fitting automatic vacuum brake gear to six engines.	2,500	6,760	9,260	..	..	..	..	6,027	6,027	2,500	733	3,233	..	
5	G.I. No. 191 R.S. G.O., No. 361 R. M.O.M. ..	5th May 1897. 20th ,, ,, 1st July 1898.	Two new locomotive engines	7,982	28,068	36,050	7,982	27,930	35,912	..	138	138	..	..	..	..	
6	G.O., No. 445 R. M.O.M. .. M.O.M. ..	8th ,, 1897. 25th Feb. 1898. 1st July ,,	One planing machine	180	6,090	6,270	..	..	..	180	6,090	6,270	..	..	..	..	
			Sanctioned minor works ..	429	4,271	4,700	..	..	..	372	3,872	4,244	..	..	..	..	
			Total, Locomotive Department ..	15,987	69,882	85,869	10,595	45,788	56,383	1,673	19,321	20,994	3,646	1,527	5,173	..	
			CARRIAGE AND WAGON DEPARTMENT.														
1	G.I., No. 55 R.S. G.O., No. 102 R. M.O.M. ..	2nd Feb. 1897. 13th ,, ,, 28th Jan. 1898.	Fitting carriages with apparatus for gas lighting.	20,814	1,90,442	2,11,256	20,040	1,53,500	1,73,540	302	13,216	13,518	472	23,726	24,198	..	
2	G.O., No. 804 R. M.O.M. .. M.O.M. ..	21st Sept. 1896. 29th April 1898. 13th Sept. ,,	Fitting automatic vacuum brake gear to fifty carriages.	4,254	21,153	25,407	3,560	23,699	27,259	..	..	..	..	..	..	..	*
3	G.I. No. 302 R.S. G.O., No. 642 R. M.O.M. ..	13th July 1896. 28th ,, ,, 28th Jan. 1898.	Do. do. do.	5,000	22,380	27,380	4,961	23,992	28,953	39	2,837	2,876	..	..	..	..	A revised estimate has been submitted.
4	G.I. No. 213 R.S. G.O., No. 391 R. M.O.M. ..	22nd May 1897. 5th June ,, 28th Jan. 1898.	Fitting automatic vacuum brake gear to two hundred carriages.	25,684	85,507	1,11,191	3,297	43,081	46,378	3,894	55,328	59,222	18,493	..	18,493	..	Sanction for the excess will be obtained.
5	G.I. No. 1729 R.S. G.O., No. 50 R.	30th Dec. ,, 10th Jan. 1899.	Do. do. do.	20,000	95,100	1,15,100	..	..	..	952	27,724	28,676	19,048	67,376	86,424	..	
6	G.I. No. 191 R.S. G.O., No. 344 Ry.	5th May 1897. 28th Mar. 1899.	Two composite bogie, seventeen third-class carriages, two third-class carriages with brakes and two ordinary brake-vans.	26,200	1,11,500	1,37,700	18,861	96,939	1,15,800	8,763	16,174	24,937	..	..	..	..	Sanction for the excess will be obtained.
7	G.O., No. 136 R. ,, ,, 949 Ry. M.O.M. .. M.O.M. ..	18th Feb. 1896. 23rd July 1898. 1st ,, ,, 18th Oct. ,,	One bogie corridor composite carriage ..	4,271	17,158	21,429	3,768	16,117	19,885	472	1,041	1,513	..	..	..	..	The alteration is due to re-allocation which has been approved of, but not recorded being under Rs. 500.
8	G.I. No. 395 R.S. G.O., No. 814 R.	4th Oct. 1897. 13th ,, ,,	Five bogie composites, 1st, 2nd and 3rd class. Five bogie third-class carriages ..	35,850	1,14,150	1,50,000	..	..	..	4,062	13,273	17,335	31,788	1,00,877	1,32,665	..	443/794 of the total cost of the stock to be recovered from Great Indian Peninsula Railway.
9	G.I., No. 1398 R.S. G.O., No. 751 R.	26th Aug. 1897. 30th Sept. ,,	Forty-six third-class carriages ..	31,510	1,64,473	1,95,983	38	246	284	853	..	853	8,054	89,673	97,727	97,119	
10	G.O., No. 939 Ry.	18th July 1898.	Converting seven second-class carriages into composites.	7,665	9,905	17,570	..	..	..	3,825	4,975	8,800	3,840	4,930	8,770	..	
11	G.O., No. 1133 Ry.	13th Sept. 1898.	Six oil tank wagons	4,620	19,080	23,700	..	..	..	320	1,120	1,440	4,300	17,960	22,260	..	
12	G.O., No. 69 Ry.	12th Jan. 1899.	Two horse boxes, double . ..	1,970	6,010	7,980	..	..	..	2	50	52	1,968	5,960	7,928	..	
13	G.I., No. 235 R.S. G.O., No. 210 Ry.	11th Feb. ,, 22nd ,, ,,	Two-hundred open goods wagons ..	47,436	3,20,564	3,68,000	..	..	..	..	..	..	16,742	3,20,564	3,37,306	30,694	
14	C.E., No. 807.	8th Mar. ,,	Converting existing luggage compartments of ten powder brakevans into powder compartments.	1,265	3,715	4,980	..	..	..	..	..	..	1,265	3,715	4,980	..	
			Sanctioned minor works	684	836	1,520	..	..	..	..	45	45	684	791	1,475	..	
			Total, Carriage and Wagon Department.	2,37,223	11,81,973	14,19,196	54,525	3,57,574	4,12,099	23,484	1,35,783	1,59,267	1,06,654	6,35,572	7,42,226	1,27,813	
			Total, Schedule A ..	7,81,439	17,20,573	25,02,012	3,19,832	5,99,718	9,19,550	1,59,592	2,99,789	4,59,381	2,23,491	7,69,792	9,93,283	1,27,813	

* The totals of these items are within the total sanctioned estimate.

SCHEDULE B OR CONSTRUCTION BUDGET Estimate of Unsanctioned Works of the Madras Railway for the official year 1899–1900.

Number of items.	Sanctions. Number.	Sanctions. Date.	Particulars.	Amount of estimate. Cash outlay in India.	Amount of estimate. Value of stores.	Amount of estimate. Total expenditure.	Actual expenditure up to close of official year 1897–98. Cash outlay in India.	Actual expenditure up to close of official year 1897–98. Value of stores.	Actual expenditure up to close of official year 1897–98. Total.	Probable expenditure during 1898–99. Cash outlay in India.	Probable expenditure during 1898–99. Value of stores.	Probable expenditure during 1898–99. Total.	Budget estimate of Expenditure for official year 1899–1900. Cash outlay in India.	Budget estimate of Expenditure for official year 1899–1900. Value of stores.	Budget estimate of Expenditure for official year 1899–1900. Total.	Estimated expenditure in future years.	Remarks
			ENGINEERING DEPARTMENT.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	
			Bridge Work.														
1	..	..	Strengthening the girders of bridge over the Cochrane's canal at 0/14 miles.	8,626	9,774	18,400	..	..	..	..	..	..	4,000	5,000	9,000	9,400	
2	..	..	Strengthening the girders of bridge over the Tirur river by inserting central masonry piers on screw piles, South-west line.	3,021	6,031	9,052	..	..	..	..	..	..	3,021	6,031	9,052	..	
3	..	..	Strengthening the girders of bridge over the Kadalandi by-screw pile piers and duplicating the girders, South-west line.	17,529	31,076	48,605	..	..	..	..	..	..	8,000	15,000	23,000	25,605	
4	..	..	Strengthening the girders of bridge No. 825 at 258/10 miles, North-west line.	4,386	7,662	12,048	..	..	..	..	..	..	4,386	7,662	12,048	..	
5	..	..	Strengthening the girders of bridge over the Cheyair river by inserting central masonry piers for four spans and replacing the other spans by new girders, North-west line.	26,767	41,307	68,074	..	..	..	..	..	..	8,000	20,000	28,000	40,074	
6	..	..	Strengthening the girders of the Tungabhadra bridge by converting land spans to be replaced by steel girders, North-west line.	56,825	88,103	1,44,928	..	..	..	..	..	..	8,000	20,000	28,000	1,16,928	
			Stations and Buildings.														
			Rayapuram.														
7	..	..	Export and import sheds and sidings at Rayapuram.	12,406	35,644	48,050	..	..	..	..	..	..	..	..	..	48,050	
8	..	..	Branch line and sidings for harbour coal traffic at Rayapuram.	5,156	18,672	23,828	..	..	..	..	..	..	..	..	..	23,828	
			Washermanpet.														
9	..	..	Branch line from Washermanpet to Salt Cotaurs.	91,912	56,733	1,48,645	..	..	..	..	..	..	5,000	10,000	15,000	1,33,645	
10	..	..	Junction station at Washermanpet ..	42,103	3,726	45,829	..	..	..	..	..	..	3,000	3,726	6,726	39,103	
11	..	..	Doubling the line between Washermanpet and Veyasarpandy.	11,158	22,796	33,954	..	..	..	..	..	..	4,000	10,000	14,000	19,954	
			Salt Cotaurs.														
12	..	..	Junction arrangement at Salt Cotaurs in connection with East Coast Railway.	3,14,147	71,916	3,86,063	..	..	..	..	..	..	7,000	10,000	17,000	3,69,063	
			Perambur Works.														
13	..	..	Extension of workshops at Perambur works.	3,31,626	2,73,508	6,05,134	..	..	..	..	..	..	6,000	10,000	16,000	5,89,134	
			Mosur.														
14	..	..	Station-house, Booking office, 3rd class Waiting room, Stationmaster's house, latrine for passengers, one hut for porter, one hut for scavenger and well.	3,253	3,012	6,265	..	..	..	..	..	..	3,253	3,012	6,265	..	
			Arkónam.														
15	..	..	Improvements and additions to the station yard at Arkonam.	54,286	37,260	91,546	..	..	..	..	..	..	7,000	10,000	17,000	74,546	
			Kettandapatti.														
16	..	..	Crossing station at Kettandapatti ..	2,897	10,923	13,820	..	..	..	..	..	..	2,897	10,923	13,820	..	
			Jalarpet.														
17	..	..	Re-arrangement of goods yard at Jalarpet.	3,211	15,658	18,869	..	..	..	..	..	..	3,211	15,658	18,869	..	
			Bowringpet.														
18	..	..	Proposed lay-bye and alteration of gravitation siding.	10,981	5,120	16,101	..	..	..	..	..	..	3,000	5,120	8,120	7,981	

Budget Estimate of Unsanctioned Works of the

Number of items.	Sanctions. Number.	Sanctions. Date.	Particulars.	Amount of estimate. Cash outlay in India.	Value of stores.	Total expenditure.
			ENGINEERING DEPARTMENT—*cont.*	RS.	RS.	RS.
			Stations and Buildings—cont.			
			Bangalore City.			
19	..	..	Five houses for European joint clerks at Bangalore City.	13,445	2,980	16,425
20	..	..	Shed for making gas and siding at Bangalore City.	5,613	6,987	12,600
21	..	..	Watering arrangements at Bangalore City.	3,000	12,000	15,000
22	..	..	Boundary wall, &c., round the coal transhipping yard at Bangalore City.	5,962	884	6,846
23	..	..	Police quarters at Bangalore City ..	6,141	3,247	9,388
			Mallapuram.			
24	..	..	Re-arrangement of station yard at Mallapuram.	7,920	18,519	26,439
			Mettupalaiyam.			
25	..	..	Watering arrangement at Mettupalaiyam	5,545	18,496	24,041
			Nandalur.			
26	..	..	Twenty-two houses for subordinate staff at Nandalur.	6,731	2,775	9,506
			Gooty.			
27	..	..	Watering arrangement, bringing water by pipes from stream at 258/11 miles, North-west line.	2,375	7,892	10,267
			Timmancherla.			
28	..	..	Alteration of sidings at Timmancherla ..	1,288	4,345	5,633
			Molagavalli.			
29	..	..	Station house, Booking office, 3rd class Waiting room, Oil and Store-room, latrine for passengers, one house for Stationmaster, two huts for porters, and one hut for scavanger.	4,457	3,130	7,587
			Raichur.			
30	..	..	Alteration to station yard at Raichur ..	5,224	8,841	14,065
			Miscellaneous.			
31	..	..	Two double Bungalows for family guards.	7,521	3,136	10,657
32	..	..	Six houses for Native stationmasters ..	4,373	2,607	6,980
33	..	..	Twenty-five houses for subordinate staff (Traffic Department).	7,688	3,162	10,850
34	..	..	Three platforms	3,900	4,140	8,040
35	..	..	Distant signals for six stations, South-west and North-west lines.	1,320	5,016	6,336
			Unsanctioned minor works as per Schedule C.	17,780	12,954	30,734
			Total, Engineering Department ..	11,10,573	8,60,032	19,70,605
			LOCOMOTIVE DEPARTMENT.			
1	..	..	Fitting automatic vacuum brake gear for eight engines.	400	7,550	7,950
			CARRIAGE AND WAGON DEPARTMENT.			
1	..	..	Fitting automatic vacuum brake gear for 200 carriages.	20,000	95,100	1,15,100
2	..	..	Gas plant for joint installation at Bangalore City.	7,000	52,590	59,590

Madras Railway for the official year 1899–1900—*cont.*

Actual expenditure up to close of official year 1897–98. Cash outlay in India.	Value of stores.	Total.	Probable expenditure during 1898–99. Cash outlay in India.	Value of stores.	Total.	Budget estimate of expenditure for official year 1899–1900. Cash outlay in India.	Value of Stores.	Total.	Estimated expenditure in future years.	Remarks.
RS.	RS.	RS.	RS.	RS.	RS	RS.	RS.	RS.	RS.	
						4,000	2,980	6,980	9,445	
..	..	..	..	..	..	5,613	6,987	12,600	..	
..	..	..	..	..	..	2,500	10,000	12,500	2,500	
..	..	..	..	..	..	3,500	884	4,384	2,462	
..	..	..	..	..	..	3,484	3,247	6,731	2,657	
..	..	..	..	..	..	4,000	10,000	14,000	12,439	
..	..	..	..	..	..	4,000	10,000	14,000	10,041	
..	..	..	..	..	..	2,000	2,775	4,775	4,731	
..	..	..	..	..	..	2,010	7,000	9,010	1,257	
..	..	..	..	..	..	1,288	4,345	5,633	..	
..	..	..	..	..	..	4,457	3,130	7,587	..	
..	..	..	..	..	..	2,543	5,525	8,068	5,997	
..	..	..	..	..	..	7,521	3,136	10,657	..	
..	..	..	..	..	..	4,373	2,607	6,980	..	
..	..	..	..	..	..	7,688	3,162	10,850	..	
..	..	..	..	..	..	3,900	4,140	8,040	..	
..	..	..	..	..	..	1,320	5,016	6,336	..	
..	..	..	..	..	..	17,780	12,954	30,734	..	
..	..	..	..	..	..	1,61,745	2,60,020	4,21,765	15,48,840	
..	..	..	..	..	..	300	5,700	6,000	1,950	
..	..	..	..	..	..	1,000	25,000	26,000	89,100	
..	..	..	..	..	..	7,000	52,590	59,590	..	See Schedule B, Engineering Department. Cost to be distributed between Southern Mahratta and Madras Railways.

Budget Estimate of Unsanctioned Works of the

Number of items.	Sanctions. Number.	Sanctions. Date.	Particulars.	Amount of estimate. Cash outlay in India.	Value of stores.	Total expenditure.
			CARRIAGE AND WAGON DEPARTMENT —*cont.*	RS.	RS.	RS.
3	..	..	Ten brake vans for joint stock	11,400	38,750	50,150
4	..	..	Five baggage vans for joint stock ..	2,000	10,500	12,500
			Total, Carriage and Wagon Department.	40,400	1,96,940	2,37,340
			Total, Schedule B ..	11,51,373	10,64,522	22,15,895

SCHEDULE C OR CONSTRUCTION

Budget Estimate of Minor Works of the

Number of items.	Sanctions. Number.	Sanctions. Date.	Particulars.	Amount of estimate. Cash outlay in India.	Value of stores.	Total expenditure.
			SANCTIONED WORKS.	RS.	RS.	RS.
			ENGINEERING DEPARTMENT. *Bridge-works.*			
1	C.E. No. 725 ..	4th Mar. 1896.	Strengthening the girders of bridge No. 82 at 175/16 miles, Bangalore branch.	375	2,429	2,804
	M.O.M. ..	28th Oct. ,,				
	M.O.M. ..	28th Jan. 1898.				
	M.O.M. ..	1st July ,,				
	M.O.M. ..	7th Mar. 1899.				
2	C.E. No. 3222 ..	15th Oct. 1897.	Strengthening 2-64 feet girders by inserting central masonry piers at 307/17 miles, Nilgiri branch line.	817	213	1,030
	M.O.M. ..	3rd June 1898.				
	M.O.M. ..	6th Dec. ,,				
3	C.E. No. 3222 ..	15th Oct. 1897.	Strengthening 2-64 feet girders by inserting central masonry piers at 312/13 miles, Nilgiri branch line.	955	213	1,168
	M.O.M. ..	3rd June 1898.				
	M.O.M. ..	6th Dec. ,,				
4	C.E. No. 3222 ..	15th Oct. 1897.	Strengthening 2-64 feet girders by inserting central masonry piers at 314/10 miles, Nilgiri branch line.	996	213	1,209
	M.O.M. ..	3rd June 1898.				
	M.O.M. ..	6th Dec. ,,				
5	C.E. No. 3222 ..	15th Oct. 1897.	Strengthening 2-64 feet girders by inserting central masonry piers at 142/10 miles, North-West line.	651	212	863
	M.O.M. ..	1st July 1898.				
	M.O.M. ..	13th Sept. ,,				
	M.O.M. ..	6th Dec. ,,				
6	C.E. No. 3222 ..	15th Oct. 1897.	Strengthening 4-64 feet girders by inserting central masonry piers at 232/3 miles, North-West line.	2,010	425	2,435
	M.O.M. ..	1st July 1898.				
	M.O.M. ..	13th Sept. ,,				
7	C.E. No. 3222 ..	15th Oct. 1897.	Strengthening 2-64 feet girders by inserting central masonry piers at 232/10 miles, North-West line.	833	212	1,045
	M.O.M. ..	1st July 1898.				
	M.O.M. ..	13th Sept. ,,				
	M.O.M. ..	6th Dec. ,,				
	M.O.M. ..	7th Mar. 1899.				
8	C.E. No. 3515 ..	17th Nov. 1897.	Strengthening 4-64 feet girders by inserting central masonry piers at 313/12 miles, Nilgiri branch line.	2,733	425	3,158
	M.O.M. ..	13th June 1898.				
	M.O.M. ..	6th Dec. ,,				
9	C.E. No. 3515 ..	17th Nov. 1897.	Strengthening 4-64 feet girders by inserting central masonry piers at 321/13 miles, Nilgiri branch line.	2,342	426	2,768
	M.O.M. ..	3rd June 1898.				
	M.O.M. ..	6th Dec. ,,				
10	C.E. No. 3515 ..	17th Nov. 1897.	Strengthening 4-64 feet girders by inserting central masonry piers at 308/7 miles, Nilgiri branch line.	3,087	425	3,512
	M.O.M. ..	3rd June 1898.				
11	C.E. No. 1568 ..	1st June ,,	Strengthening 2-64 feet girders by inserting central masonry piers at 248/15 miles, North-West line.	955	212	1,167
	M.O.M. ..	6th Dec. ,,				
	M.O.M. ..	7th Mar. 1899.				
12	C.E. No. 1568 ..	1st June 1898.	Strengthening 4-64 feet girders by inserting central masonry piers at 248/9 miles, North-West line.	1,910	425	2,335
	M.O.M. ..	6th Dec. ,,				
	M.O.M. ..	7th Mar. 1899.				
13	C.E. No. 1568 ..	1st June 1898.	Strengthening 4-64 feet girders by inserting central masonry piers at 263/3 miles, North-West line.	1,767	425	2,192
	M.O.M. ..	6th Dec. ,,				
	M.O.M. ..	7th Mar. 1899.				

Madras Railway for the official year 1899–1900—*cont.*

Actual expenditure up to close of official year 1897–98. Cash outlay in India.	Value of stores.	Total.	Probable expenditure during 1898–99. Cash outlay in India.	Value of stores.	Total.	Budget estimate of expenditure for official year 1899–1900. Cash outlay in India.	Value of stores.	Total.	Estimated expenditure in future years.	Remarks.
RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	
						11,400	38,750	50,150	..	443/794 of the total cost of this stock to be recovered from Great Indian Peninsula Railway.
..	..	..	..	..	..	2,000	10,500	12,500	..	
..	..	..	..	..	..	21,400	1,26,840	1,48,240	89,100	
..	..	..	..	..	..	1,83,445	3,92,560	5,76,005	16,39,890	
..	..	..	..	..	..					

WORKS—PART III.

Madras Railway for the official year 1899–1900.

Actual expenditure up to close of official year 1897–98. Cash outlay in India.	Value of stores.	Total.	Probable expenditure during 1898–99. Cash outlay in India.	Value of stores.	Total.	Budget estimate of expenditure for official year 1899–1900. Cash outlay in India.	Value of stores.	Total.	Estimated expenditure in future years.	Remarks.
RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	
..	..	..	39	20	59	..	..	..	..	
754	103	857	Cr. 150	110	Cr. 40	213	..	213	..	
741	56	797	Cr. 160	157	Cr. 3	374	..	374	..	
790	56	846	Cr. 215	Cr. 28	Cr. 243	421	185	606	..	
157	..	157	479	377	856	..	..	..	..	Sanction for excess over estimate will be obtained.
..	82	82	1,681	672	2,353	..	..	..	..	Sanction for re-allocation of the estimate will be obtained.
..	41	41	90	360	450	554	..	554	..	Sanction for re-allocation will be obtained.
1,380	115	1,495	420	310	730	933	..	933	..	
61	159	220	650	267	917	1,631	..	1,631	..	
2,573	156	2,729	Cr. 1,186	269	Cr. 917	1,700	..	1,700	..	
..	..	..	756	447	1,203	199	178	377	..	Revised estimate has been submitted.
..	..	..	1,322	425	1,747	588	..	588	..	
..	..	..	247	766	1,013	1,519	168	1,687	..	Revised estimate has been submitted.

Budget Estimate of Minor Works of the

Number of items.	Sanctions. Number.	Sanctions. Date.	Particulars.	Amount of estimate. Cash outlay in India.	Value of stores.	Total expenditure.
			ENGINEERING DEPARTMENT—*cont.*	RS.	RS.	RS.
			Stations and Buildings.			
			Rayapuram.			
14	C.E. No. 2733..	23rd Aug. 1897.	Re-arrangement of signals between Washermanpet and Rayapuram.	1,214	1,078	2,292
	M.O.M. ..	25th Mar. 1898.				
	M.O.M. ..	1st July ,,				
	M.O.M. ..	6th Dec. ,,				
15	C.E. No. 2539..	4th Aug. 1897.	Substitution of larger level crossing gates at Monegar Choultry.	370	700	1,070
	M.O.M. ..	25th Mar. 1898.				
	M.O M. ..	18th Oct. ,,				
			Washermanpet.			
16	C.E. No. 2003..	16th June 1897.	Substitution of larger level crossing gate at Washermanpet.	551	701	1,252
	M.O.M. ..	25th Mar. 1898.				
	M.O.M. ..	29th July ,,				
17	C.E. No. 871 ..	25th Mar. 1898.	Extension of through-siding at Washermanpet to connect lay-bye at Rayapuram (South-West line).	200	1,955	2,155
	M.O.M. ..	7th Mar. 1899.				
18	C.E. No. 2419..	26th Aug. 1898.	Filling in ditch on side of main line between Veyasarpaudy and Central Station on side of Salt Cotaurs.	5,250	..	5,250
	M.O.M. ..	18th Oct. ,,				
			Central Station.			
19	C.E. No. 552 ..	17th Feb. 1899.	Stationmaster's house at Central Station.	2,518	1,722	4,240
20	C.E. No. 819 ..	9th Mar. ,,	Reading-room at Central Station ..	3,027	1,589	4,616
20A	C.E. No. 1243 ..	18th April ,,	Level crossing gates in lieu of the existing ones at $\frac{1}{5}$, $\frac{1}{9}$ and $\frac{3}{8}$ miles, South-West line.	1,412	2,361	3,773
			Perambur Works.			
21	C.E. No. 2954..	11th Sept. 1897.	Line leading from timber-yard into saw mills at Perambur Workshop yard.	187	2,592	2,779
	M.O.M. ..	25th Mar. 1898.				
	M.O. M. ..	24th Jan. 1899.				
22	C.E. No. 3844..	17th Dec. 1897	Louvre roof and ventilators to erecting and fitting shop at Perambur Works.	444	2,450	2,894
	M.O.M. .	6th Dec. 1898.				
23	C.E. No. 1884..	22nd June 1896.	Interlocking points and signals at west end of Perambur Works.	675	2,471	3,146
	M.O.M. ..	29th Sept. 1897.				
	M.O.M. ..	3rd Dec. ,,				
	M.O.M. ..	29th July 1898.				
24	C.E. No. 1886..	5th June 1897.	Pattern loft under water tank iron foundry at Perambur.	285	1,616	1,901
	M.O.M. ..	3rd Dec. ,,				
	M.O.M. ..	24th Jan. 1899.				
			Tiruvallúr.			
25	C.E. No. 1650..	6th June 1898.	Extension of ballast siding at Tiruvallúr.	1,364	1,372	2,736
	M.O.M. ..	7th Mar. 1899.				
			Arkonam.			
26	C.E. No. 3869..	18th Dec. 1897.	Depot shed at Arkonam	2,237	817	3,054
	M.O.M. ..	24th Jan. 1899				
27	C.E. No. 842 ..	23rd Mar. 1898.	Additional room, &c., to Engine driver's bungalow No. 25 at Arkonam.	871	849	1,720
	M.O.M. ..	24th Jan. 1899.		461	873	1,334
28	C.E. No. 870 ..	25th Mar. 1898.	Converting Travelling Auditor's bungalow into schoolmistress' quarters at Arkonam.			
	M.O.M. ..	13th Sept. ,,				
	M.O.M. ..	18th April 1899.		1,378	2,953	4,331
29	C.E. No. 937 ..	1st April 1898.	Transfer of Telegraph workshop to the new site at Arkonam.			
30	C.E. No. 1469..	23rd May 1898.	Wall for timber yard at Arkonam ..	3,200	..	3,200
	M.O.M. ..	18th April 1899.				
31	C.E. No. 2803..	11th Oct. 1898.	New siding for ballast wagons at Arkonam.	382	3,504	3,886

Madras Railway for the official year 1899–1900—*cont.*

Actual expenditure up to close of official year 1897–98. Cash outlay in India.	Value of stores.	Total.	Probable expenditure during 1898–99. Cash outlay in India.	Value of stores.	Total.	Budget estimate of expenditure for official year 1899–1900. Cash outlay in India.	Value of stores.	Total.	Estimated expenditure in future years.	Remarks.
RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	
600	805	1,405	614	273	887	..	..	..	..	
43	393	436	325	307	632	..	..	..	..	The alteration is due to re-allocation which has been approved of but not recorded being under Rs. 500.
154	701	855	380	..	380	..	..	..	..	
..	..	..	93	1,841	1,934	..	..	..	..	
..	..	..	5,250	..	5,250	..	..	..	..	
						2,518	1,722	4,240	..	
..	..	..	..	..	..	3,027	1,589	4,616	..	
..	..	..	..	..	..	1,412	2,361	3,773	..	
..	..	..	..	..	..					
161	2,210	2,371	18	14	32	..	..	..	..	
206	1,230	1,436	59	145	204	..	..	..	..	
674	2,623	3,297	..	Cr.157	Cr. 157	..	..	..	..	The alteration is due to re-allocation which has been approved of but not recorded being under Rs. 500.
285	1,172	1,457	..	444	444	..	..	..	..	
..	..	..	1,259	1,267	2,526	..	..	..	..	
..	..	..	1,895	816	2,711	..	..	..	..	The alteration is due to re-allocation which has been approved of but not recorded being under Rs. 500.
..	..	..	758	792	1,550	..	..	..	..	
..	..	..	461	873	1,334	..	..	..	..	
..	..	..	1,050	3,522	4,572	..	..	..	..	Sanction will be obtained for the excess.
..	..	..	2,531	..	2,531	..	..	..	..	
..	..	..	382	3,000	3,382	..	504	504	..	

Budget Estimate of Minor Works of the

Number of items.	Sanctions. Number.	Sanctions. Date.	Particulars.	Amount of estimate. Cash outlay in India.	Value of stores.	Total expenditure.
			ENGINEERING DEPARTMENT—*cont.*	Rs.	Rs.	Rs.
			Stations and Buildings—cont.			
			Munnal.			
32	C.E. No. 3786..	11th Dec. 1897.	Interlocking points and signals at Munnal.	223	2,246	2,469
	M.O.M. ..	1st July 1898.				
	M.O.M. ..	6th Dec ,,				
	M.O.M. ..	7th Mar 1899 ..				
			Arcot.			
33	C.E. No. 2728..	27th Aug. 1895.	Six houses for subordinate staff at Arcot.	805	429	1,234
	M.O.M. ..	30th Sept. 1896.				
	M.O.M. ..	2nd Dec. ,,				
	M.O.M. ..	3rd Dec. 1897.				
	M.O.M. ..	6th ,, 1898.				
			Virinchipuram.			
34	C.E. No. 936 ..	1st April 1898.	Wooden palings on platform in lieu of wire fence at Virinchipuram.	36	1,348	1,384
	M.O.M. ..	18th Oct. ,,				
	M.O.M. ..	7th Mar. 1899.				
			Vinnamangalam.			
35	C.E. No. 1976.	8th July 1898.	Stationmaster's house at Vinnamangalam.	753	525	1,278
			Buddireddipatti.			
36	C.E. No 1008..	8th April 1898.	Additional wrought iron tank at Buddireddipatti.	30	1,082	1,112
			Jalarpet.			
37	C.E. No. 3870 .	18th Dec. 1897.	Double bungalow for family guards at Jalarpet.	3,252	1,529	4,781
	M.O.M. ..	24th Jan. 1899.				
38	C.E. No. 3292..	2nd Dec. 1898..	Do. do. do. ..	3,355	1,603	4,958
			Mullanur.			
39	C.E. No. 283 ..	28th Jan. 1898.	Additional sidings at Mullanur ..	477	2,912	3,389
	M.O.M. ..	13th Sept. ,,				
	M.O.M. ..	7th March 1899.				
			Bowringpet.			
40	C.E. No. 2955..	11th Sept. 1897.	Signal arrangement at Bowringpet ..	316	2,725	3,041
	M.O.M. ..	25th Mar. 1898.				
	M.O.M. ..	1st July ,,				
	M.O.M. ..	13th Sept. ,,				
	M.O.M. ..	6th Dec. ,,				
	M.O.M. ..	7th Mar. 1899..				
41	C.E. No. 3367..	18th Dec. 1897.	Raising and increasing the capacity of locomotive tank at Bowringpet.	2,029	880	2,909
	M.O.M. ..	1st July 1898.				
	M.O.M. ..	13th Sept. ,,				
	M.O.M. ..	6th Dec. ,,				
	M.O.M. ..	24th Jan. 1899.				
	M.O.M. ..	7th Mar. ,,				
			Krishnarajapuram.			
42	C.E. No. 3843..	17th Dec. 1897.	Assistant Stationmaster's house at Krishnarajapuram.	806	403	1,209
	M.O.M. ..	18th Oct. 1898.				
			Bangalore City.			
43	C.E. No. 2699.	1st Oct. 1898.	Native latrine at Bangalore City ..	1,878	1,253	3,131
			Podanur.			
44	C.E. No. 3868.	18th Dec. 1897.	Double bungalow for family guards at Podanur.	2,793	1,824	4,617
	M.O.M. ..	7th Mar. 1899.				
45	C.E. No. 3293.	2nd Dec. 1898.	Do. do. do. ..	3,046	1,604	4,650
			Mettupalaiyam.			
46	C.E. No. 3847..	17th Dec. 1897.	House for Carriage Examiner at Mettupalaiyam.	533	634	1,167
	M.O.M. ..	13th Sept. 1898.				
			Ferok.			
47	C.E. No. 808 ..	8th Mar. 1899.	Renewing platform fence at Ferok ..	100	1,650	1,750

Madras Railway for the official year 1899–1900—*cont.*

Actual expenditure up to close of official year 1897–98. Cash outlay in India.	Value of stores.	Total.	Probable expenditure during 1898–99. Cash outlay in India.	Value of stores.	Total.	Budget estimate of expenditure for official year 1899–1900. Cash outlay in India.	Value of stores.	Total.	Estimated expenditure in future years.	Remarks.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
19	41	60	..	..	..	204	2,205	2,409	..	
..	..	..	745	532	1,277	..	..	..	..	Sanction for excess over estimate will be obtained.
..	..	..	36	1,348	1,384	..	..	..	..	
..	..	..	153	200	353	600	325	925	..	
..	..	..	30	1,084	1,114	..	..	..	..	Sanction for excess over estimate will be obtained.
912	662	1,574	2,340	720	3,060	..	..	..	..	The alteration is due to re-allocation which has been approved of but not recorded being under Rs. 500.
..	..	..	..	..	..	3,355	1,603	4,958	..	
..	..	..	400	2,800	3,200	77	112	189	..	
154	947	1,101	..	628	628	162	1,150	1,312	..	
..	..	..	1,400	959	2,359	550	..	550	..	Sanction for a re-allocation of the estimate will be obtained.
436	215	651	346	110	456	..	..	..	..	
..	..	..	250	600	850	1,628	653	2,281	..	
639	561	1,200	1,932	1,262	3,194	..	..	..	..	The alteration is due to re-allocation which has been approved of but not recorded being under Rs. 500.
..	..	..	..	..	..	3,046	1,604	4,650	..	
110	194	304	408	439	847	..	..	..	..	The alteration is due to re-allocation which has been approved of but not recorded being under Rs. 500.
..	..	..	..	..	..	100	1,650	1,750	..	

Budget Estimate of Minor Works of the

Number of items	Sanctions. Number.	Sanctions. Date.	Particulars.	Amount of estimate. Cash outlay in India.	Value of stores.	Total expenditure.
			ENGINEERING DEPARTMENT—*cont.*	Rs.	Rs.	Rs.
			Stations and Buildings—cont.			
			Calicut.			
48	C E. No. 1977..	8th July 1898.	Additional rooms to Guard's bungalow at Calicut.	1,096	220	1,316
49	C.E. No. 2689 ..	30th Sept. 1898.	Additional rooms for Stationmaster's bungalow at Calicut.	695	410	1,105
50	C.E. No. 2834..	14th Oct. 1898.	Four houses for Native Assistant Stationmasters at Mailpatti, Olavakkot, Tyakal and Coimbatore.	2,715	1,738	4,453
			Renigunta.			
51	C.E. No. 913 ..	16th Mar. 1899.	Ballast wagon siding at Renigunta ..	1,103	1,362	2,465
			Reddipalli.			
52	C.E. No. 823 ..	9th Mar. 1899.	Alteration of sidings at Reddipalli ..	1,092	3,014	4,106
			Razampeta.			
53	C.E. No. 495 ..	13th Feb. 1899.	Alteration of sidings at Razampeta ..	557	1,407	1,964
			Nandalur.			
54	C.E. No. 2330..	16th Aug. 1898.	Water-supply for staff quarters and platform at Nandalur.	310	997	1,307
	M.O.M. ..	7th Mar. 1899.				
55	C.E. No. 2341	17th Aug. 1898.	Grouping points at Nandalur	118	1,109	1,227
56	C.E. No. 898 ..	16th Mar. 1899.	Cross-over road at Nandalur	259	1,758	2,017
57	C.E. No. 866 ..	13th Mar. 1899.	Apothecary's bungalow and dispensary at Nandalur.	1,926	671	2,597
			Kamalapuram.			
58	C.E. No. 3267..	20th Oct. 1897.	Extension of platform and diversion of road at Kamalapuram.	840	930	1,770
	M.O.M. ..	1st July 1898.				
	M.O.M. ..	24th Jan. 1899.				
			Mangapatnam.			
59	C E. No. 1957.	11th June 1897.	Two houses for Stationmaster and Assistant Stationmaster and three houses for porters at Mangapatnam.	2,011	1,006	3,017
	M.O M. ..	28th Jan. 1898.				
	M.O.M. ..	18th Oct. ,,				
			Gooty.			
60	C.E No. 408 ..	10th Feb. 1898.	Refreshment-room, &c., at Gooty ..	672	974	1,646
	M.O.M. ..	7th Mar. 1899.				
			Guntakal.			
61	C.E. No. 428 ..	12th Feb. 1898.	Engineering subordinate's quarters at Guntakal.	1,076	428	1,504
	M.O.M. ..	7th Mar. 1899.				
61½	C.E. No. 1320..	24th April 1899.	Signalling arrangements at Guntakal ..	588	1,817	2,405
			Molagavalli.			
62	C.E. No. 2939 .	26th Oct. 1898.	Extension of lay-bye, &c., at Molagavalli.	145	1,302	1,447
			Raichur.			
63	C.E. No. 1813..	20th June 1898.	Quarters for inter-communication staff of Telegraph Department at Raichur.	946	309	1,255
	M.O.M. ..	18th April 1899.				
64	C.E. No. 1295..	8th April 1897.	Fitting Annet's locks to facing points, North-West and South-West lines.	989	731	1,720
	M O M. ..	28th Jan. 1898.				
	M.O.M. ..	6th Dec. ,,				
	M.O.M. ..	7th Mar. 1899.				
65	C.E. No. 1812..	20th June 1898.	One oil-gas engine and accessories for the Ticket Printing office at Rayapuram.	2,200	..	2,200
65½	C.E. No. 1180..	13th April 1899.	Pitching bank in tank at 10/3–13 miles, South-West line to bring it level with 7 feet cess.	1,089	..	1,089
			Total, Engineering Department carried to Schedule A.	86,316	78,688	1,65,004
			LOCOMOTIVE DEPARTMENT.			
1	C.E. No. 1382..	14th May 1898.	Steam hammer	140	1,530	1,670
	M.O.M. ..	1st July ,,				
	M.O M. ..	24th Jan. 1899.	Twelve Erhardt's weighing machines ..	289	2,741	3,030
2	C.E. No. 347 ..	31st ,, ,,				
			Total, Locomotive Department carried to Schedule A.	429	4,271	4,700

Madras Railway for the official year 1899–1900—*cont.*

Actual expenditure up to close of official year 1897–98. Cash outlay in India.	Value of stores.	Total.	Probable expenditure during 1898–99. Cash outlay in India.	Value of stores.	Total.	Budget estimate of expenditure for official year 1899–1900. Cash outlay in India	Value of stores.	Total	Estimated expenditure in future years.	Remarks.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
..	..	..	977	399	1,376	..	..	..	..	Sanction will be obtained for the excess.
..	..	..	695	410	1,105	..	..	..	..	
..	..	..	1,300	1,738	3,038	1,415	..	1,415	..	
..	..	..	..	..	..	1,103	1,362	2,465	..	
..	..	..	..	..	..	1,092	3,014	4,106	..	
..	..	..	..	..	..	557	1,407	1,964	..	
..	..	..	77	1,734	1,811	233	300	533	..	Revised estimate has been submitted.
..	..	..	127	1,100	1,227	..	..	..	..	Sanction for re-allocation will be obtained.
..	..	..	..	..	..	259	1,758	2,017	..	
..	..	..	..	..	..	1,926	671	2,597	..	
159	293	452	681	637	1,318	..	..	..	..	
1,286	355	1,641	560	562	1,122	..	..	..	..	
..	..	..	672	974	1,646	..	..	..	..	
34	1	35	1,041	386	1,427	..	..	..	..	
..	..	..	..	..	..	588	1,817	2,405	..	
..	..	..	95	1,000	1,095	50	302	352	..	
..	..	..	946	273	1,219	..	..	..	..	The alteration is due to re-allocation which has been approved of but not recorded being under Rs. 500.
..	..	..	..	..	..	989	731	1,720	..	
..	..	..	..	2,200	2,200	..	..	..	..	Sanction for a re-allocation will be obtained.
..	..	..	..	..	..	1,089	..	1,089	..	
12,328	13,171	25,499	34,259	39,384	73,643	34,112	27,371	61,483	..	
..	..	..	83	1,131	1,214	..	..	..	..	
..	..	..	289	2,741	3,030	..	..	..	..	
..	..	..	372	3,872	4,244	..	..	..	..	

Budget Estimate of Minor Works of the

Number of items.	Sanctions.		Particulars.	Amount of estimate.		
	Number.	Date.		Cash outlay in India.	Value of stores.	Total expenditure.
				Rs.	Rs.	Rs.
			Carriage and Wagon Department.			
..	C.E. No. 291 ..	26th Jan. 1899.	Converting 76 existing single Bolster timber trucks into 38 twin timber trucks.	684	836	1,520
			UNSANCTIONED WORKS.			
			Engineering Department.			
			Stations and Buildings.			
			Arkonam.			
1	..	..	Travelling Auditor's bungalow at Arkonam.	2,516	1,944	4,460
			Mailpatti.			
2	..	..	Deepening and enlarging well and providing a hand pump at Mailpatti.	1,455	780	2,235
			Bowringpet.			
3	..	..	Re-arrangement of signals at Bowringpet.	1,147	2,170	3,317
4	..	..	Open shed, 100 feet, on goods platform at Bowringpet.	1,496	3,070	4,566
5	..	..	One house for native drivers at Bowringpet.	485	616	1,101
			Erode.			
6	..	..	Carriage dock and mixed gauge sidings at Erode.	230	1,089	1,319
			Renigunta.			
7	..	..	Watering arrangement to be improved at Thocock.	3,052	..	3,052
			Nandalur.			
8	..	..	Carriage Examiner's house at Nandalur..	1,767	826	2,593
9	..	..	Two houses for signallers at Nandalur ..	2,614	1,267	3,881
10	..	..	Proposed diversion of stream at 241 mile, North-West Line.	2,851	..	2,851
			Adoni.			
11	..	..	Alterations and additions to sidings at Adoni.	167	1,192	1,359
			Total, Engineering Department carried to Schedule B.	17,780	12,954	30,734

Madras Railway for the official year 1899–1900—*cont.*

Actual expenditure up to close of official year 1897–98.			Probable expenditure during 1898–99.			Budget estimate of expenditure for official year 1899–1900.			Estimated expenditure in future years.	Remarks.
Cash outlay in India.	Value of stores.	Total.	Cash outlay in India.	Value of stores.	Total.	Cash outlay in India.	Value of stores.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
..	..	..	..	45	45	684	791	1,475	..	
..	..	..	..	..	..	2,516	1,944	4,460	..	
..	..	..	..	..	..	1,455	780	2,235	..	
..	..	..	..	..	..	1,147	2,170	3,317	..	
..	..	..	..	..	..	1,496	3,070	4,566	..	
..	..	..	..	..	..	485	616	1,101	..	
..	..	..	..	..	..	230	1,089	1,319	..	
..	..	..	..	..	..	3,052	..	3,052	..	
..	..	..	..	..	..	1,767	826	2,593	..	
..	..	..	..	..	..	2,614	1,267	3,881	..	
..	..	..	..	..	..	2,851	..	2,851	..	
..	..	..	..	..	..	167	1,192	1,359	..	
..	..	..	..	..	..	17,780	12,954	30,734	..	

SCHEDULE D OR CONSTRUCTION WORKS—PART IV.

BUDGET Estimate of Emergent Works of the Madras Railway for the official year 1899–1900—*Nil.*

REVISED and Budget Estimates of Stores Transactions on the Madras Railway for 1898–99 and 1899–1900.

MEMORANDUM.

The budget estimate contemplates total expenditure of Rs. 24,33,064 as under—

Cash outlay on stores	Rs.	15,41,064
Expenditure in England including exchange	„	8,92,000
	„	24,33,064

and is provided for as follows:—

Credits for stores issues to Capital works ...	Rs.	11,62,352
Credit for stores issues to Revenue ... } Transfers and sales ... ... }	„	22,00,000
	„	33,62,352
Balance being net Capital Grant required ...	„	**9,29,288**

MADRAS RAILWAY.

DETAILS OF THE ESTIMATED TRANSACTIONS UNDER THE HEAD "STORES."

REVISED Estimate for 1898–99 and Budget Estimate, 1899–1900.

Particulars of Debits.		Revised estimate, 1898–99.	Budget estimate, 1899–1900.
Balance at commencement of the year ...	Rs.	25,01,619	22,88,238
Debits during the year—			
Local purchases—			
Firewood	„	3,73,000	3,53,000
Oil of sorts	„	1,20,000	1,32,200
Cotton, waste, &c.	„	8,000	8,750
Coal, Indian	„	5,12,000	5,20,000
Coke, „	„	13,000	16,250
Wooden sleepers	„	22,000	20,000
„ keys	„	13,000	14,500
Timber of all kinds	„	62,000	54,000
Materials for tarpaulins	„	3,000	4,000
Freight and landing charges	„	88,000	81,000
Printing and stationery	„	48,000	44,500
Miscellaneous stores	„	1,66,408	1,52,864
Total ...	„	14,28,408	14,01,064
London stores—			
(For Revenue and Capital)—			
Coke	„	36,000	...
Patent fuel	„	30,000	...
Tyres, engine and tender	„	26,010	5,000
„ „ carriage	„	9,717	5,000
Wheels and axles, carriage	„	...	...
„ engine	„	14,800	...
Machinery and tools	„	4,504	232
Iron and steel	„	32,049	7,000
Copper and brass	„	83,426	10,000
Materials for construction and renewal of rolling-stock	„	1,48,674	1,13,000
Automatic vacuum brake-gear	„	48,000	...
Locomotive engines	„	52,000	1,54,000
Bridge materials	„	6,451	1,58,000
Permanent-way materials	„	3,37,549	3,26,000
Materials for tarpaulins	„	7,000	7,000
Telegraph stores	„	8,092	13,700
Sundry stores	„	51,728	93,068
Total ...	„	8,96,000	8,92,000

		Revised estimate, 1898–99.	Budget estimate, 1899–1900.
Particulars of Debits—cont.			
Manufactures—			
Workshop manufacture—			
Works in progress ... ... } New works ... ... }	Rs.	2,12,000	1,40,000
Total debits during the year ...	„	25,36,408	24,33,064
Grand Total ...	„	50,38,027	47,21,302
Particulars of Credits.			
Credits during the year—			
Issues to Capital Works—			
Preliminary expenses			
Formation			
Bridge-work			
Fencing			
Ballast and permanent-way	Rs.	2,99,789	11,62,352
Stations and buildings			
Plant			
Ferries, &c.			
Rolling-stock			
General charges			
	„	2,99,789	11,62,352
Issues to Revenue ... ... } Transfers and sales ... ... }	„	24,50,000	22,00,000
Total credits during the year ...	„	27,49,789	33,62,352
Balance expected at the close of the year ...	„	22,88,238	13,58,950
Grand Total ...	„	50,38,027	47,21,302
Net debit or credit to stores transactions being capital grant required ...	Rs.	**Cr. 2,13,381**	**Cr. 9,29,288**

APPENDIX A.

STATEMENT showing details of the sum set aside for expenditure in England on the Madras Railway during 1899–1900.

Probable amount of outstanding indents of the previous year.	Rs.	3,00,000
Probable amount of indents to be sent Home for compliance during the year	„	13,43,000
Establishment charges, &c., payable in England	„	1,05,000
	„	17,48,000
Deduct—Probable amount of outstanding indents at the close of the year	„	7,51,000
Estimated net capital outlay in England ...	„	9,97,000

SCHEDULE F.

ESTIMATE of Traffic Receipts of the Madras Railway, 1899–1900.

Number of miles open for traffic on 1st April 1898	840
Expected to be opened during 1898–99	...
Total on 1st April 1899 ...	840
Expected to be opened during 1899–1900	4
Total likely to be opened at end of 1899–1900	844
Average number of miles expected to be opened during the whole of 1899–1900	844

—	Actuals in 1897–98.	Budget estimate, 1898–99.	Revised estimate, 1898–99.	Budget estimate, 1899–1900.
	RS.	RS.	RS.	RS.
Coaching traffic	44,90,323	46,00,000	38,25,000	42,00,000
Goods ,, ...	66,56,408	62,00,000	62,18,000	65,22,000
Electric Telegraph earnings... ...	19,703	20,000	17,000	18,000
Sundries	2,21,867	1,80,000	1,90,000	1,60,000
Total ...	1,13,88,301	1,10,00,000	1,02,50,000	1,09,00,000
Train mileage	2,592,870	2,500,000	2,500,000	2,500,000

SCHEDULE G.

ESTIMATE of Revenue Expenditure on the Madras Railway for the official year 1899–1900.

—	Actuals in 1897–98.	Budget estimate, 1898–99.	Revised estimate, 1898–99.	Budget estimate, 1899–1900.
Maintenance of Way, Works and Stations.	RS.	RS.	RS.	RS.
1. General superintendence	2,38,790	2,50,000	2,50,000	2,41,000
2. Maintenance and renewal of permanent-way	5,65,466	5,00,000	5,00,000	4,83,000
3. Repairs of bridges, wages and materials ...	1,06,239	1,95,000	1,60,000	1,94,000
3A. Conservancy of rivers	...	...	...	...
4. Repairs of stations and buildings, wages and materials	1,40,592	1,60,000	1,50,000	1,45,500
5. Maintenance by contract	22,567	20,000	22,500	22,500
6. New minor works	1,96,048	2,00,000	1,92,500	1,94,000
7. Unclassified expenditure				
Total ...	12,69,702	13,25,000	12,75,000	12,80,000
Deduct sum chargeable to Fire Insurance Fund	7	...	...	...
	12,69,695	13,25,000	12,75,000	12,80,000
Deduct cost of working Kolar Gold Fields Railway	28,452	25,000	23,000	23,000
Net Total ...	12,41,243	13,00,000	12,52,000	12,57,000
Locomotive Expenses.				
1. General superintendence	1,32,578	1,39,000	1,45,000	1,43,000
2. Running expenses (wages connected with the working of locomotive engines) ...	3,52,971	3,50,000	3,57,000	3,58,000
3. Fuel	9,07,593	8,80,000	9,13,000	8,95,000
4. Water (including wages and stores) ...	36,533	35,000	37,000	37,000
5. Oil, tallow and other stores, &c. (expended on engines in work)	54,106	48,000	57,000	57,000
6. Maintenance and renewals of locomotive engines	5,18,800	5,23,000	4,60,000	5,04,000
6A. Maintenance and renewals of machinery, tools and plant	16,232	15,000	16,000	16,000
7. New minor works	...	3,000	3,000	3,000
8. Payments to other lines	...	...	...	...
9. Unclassified expenditure	1,66,818	1,60,000	1,20,000	1,59,500
Total ...	21,85,631	21,53,000	21,08,000	21,72,500
Deduct sum chargeable to Fire Insurance Fund	...	...	500	...
	21,85,631	21,53,000	21,07,500	21,72,500
Deduct cost of working Kolar Gold Fields Railway	40,439	40,000	37,000	39,000
Deduct cost of working Madras-Ennur line	11,797	13,000	8,500	11,500
Deduct cost of working Nilgiri Railway...	...	..	...	36,000
Total deduction ...	52,236	53,000	45,500	86,500
Net Total ...	21,33,395	21,00,000	20,62,000	20,86,000

Estimate of Revenue Expenditure on the Madras Railway for the official year 1899–1900—*cont.*

—	Actuals in 1897–98.	Budget estimate, 1898–99.	Revised estimate, 1898–99.	Budget estimate, 1899–1900.
Carriage and Wagon Expenses.	RS.	RS.	RS.	RS.
1. General superintendence	40,175	41,500	38,000	36,000
2. Repairs and renewals of vehicles	4,44,459	4,12,000	2,90,000	2,90,000
2A. Do. do. of machinery, tools and plant	12,929	10,000	10,000	12,000
3. Cleaning carriages and wagons and oiling.	74,897	58,000	76,000	75,500
4. New minor works	...	...	...	...
5. Unclassified expenditure	47,967	42,000	37,000	37,000
Total ...	6,20,427	5,63,500	4,51,000	4,50,500
Deduct sum chargeable to Fire Insurance Fund	...	...	...	...
	6,20,427	5,63,500	4,51,000	4,50,500
Deduct cost of working Kolar Gold Fields Railway	11,638	10,000	8,000	8,000
Deduct cost of working Madras-Ennur line.	3,344	3,500	2,000	2,000
Deduct cost of working Nilgiri Railway.	...	...	...	7,500
Total deductions ...	14,982	13,500	10,000	17,500
Net Total ...	6,05,445	5,50,000	4,41,000	4,33,000
Traffic Expenses.				
1. Salaries and wages	6,59,908	6,63,000	6,68,000	6,55,000
2. Fuel, lighting, water and general stores ...	80,837	80,000	78,000	77,500
3. Clothing	11,661	13,000	12,500	11,500
4. Printing, stationery and tickets	70,828	72,000	72,000	73,500
5. Charges for delivery and collection of goods	2,318	2,500	2,500	2,500
6. Miscellaneous expenses	5,835	5,500	5,500	5,500
7. Payments to other lines	14,932	15,000	15,000	15,000
8. Unclassified expenditure	9,842	17,000	18,000	18,000
	8,56,161	8,68,000	8,71,500	8,58,500
Deduct sum chargeable to Fire Insurance Fund	272	200	...	...
	8,55,889	8,67,800	8,71,500	8,58,500
Deduct cost of working Kolar Gold Fields Railway	15,121	13,000	15,000	15,000
Deduct cost of working Madras-Ennur line.	4,598	4,800	3,500	5,000
Deduct cost of working Nilgiri Railway.	...	...	...	14,500
Total deductions ...	19,719	17,800	18,500	34,500
Net Total ...	8,36,170	8,50,000	8,53,000	8,24,000
General Charges.				
1. Home expenditure	84,796	75,000	75,000	73,000
2. Salaries of Indian management including offices	2,83,941	2,90,000	2,86,000	2,86,000

Estimate of Revenue Expenditure on the Madras Railway for the official year 1899–1900—*cont.*

—	Actuals in 1897–98.	Budget estimate, 1898–99.	Revised estimate, 1898–99.	Budget estimate, 1899–1900.
General Charges—cont.	RS.	RS.	RS.	RS.
3. Police	37,986	38,500	39,000	38,000
4. Advertising (all advertisements of all departments)	6,338	5,500	6,000	6,000
5. Electric telegraph	1,42,347	1,60,000	1,53,500	1,63,000
6. Clearing accounts with other lines ...	...	...	...	...
7. Unclassified expenditure	51,585	54,500	50,000	48,500
Total ...	6,06,993	6,23,500	6,09,500	6,14,500
Deduct sum chargeable to Fire Insurance Fund	11,873	5,000	6,000	6,000
	5,95,120	6,18,500	6,03,500	6,08,500
Deduct cost of working Kolar Gold Fields Railway	10,604	10,000	11,000	11,000
Deduct cost of working Madras-Ennur line	3,236	3,500	2,500	3,500
Deduct cost of working Nilgiri Railway.	...	...	...	10,000
Total deductions ...	13,840	13,500	13,500	24,500
Net Total ...	5,81,280	6,05,000	5,90,000	5,84,000
Special and Miscellaneous Expenditure.				
1. Law charges	2,031	3,000	3,000	3,000
2. Compensation	3,502	2,000	6,000	3,000
3. Rates and taxes (including municipal water-rates)	23,143	24,000	24,000	23,000
4. Payments to other lines	38	6,000	1,000	4,450
5. Prizes for station gardens, &c.	443	1,000	1,000	1,000
6. Contribution to Railway Provident Institution	41,561	42,000	55,750	72,000
7. Miscellaneous	40,847	19,000	14,000	14,000
Total ...	1,11,565	97,000	1,04,750	1,20,450
Deduct sum chargeable to Fire Insurance Fund	799	...	...	...
	1,10,766	97,000	1,04,750	1,20,450
Deduct cost of working Kolar Gold Fields Railway	1,878	1,400	2,000	2,000
Deduct cost of working Madras-Ennur line.	589	600	750	450
Deduct cost of working Nilgiri Railway.	...	...	...	2,000
Total deductions ...	2,467	2,000	2,750	4,450
Net Total ...	1,08,299	95,000	1,02,000	1,16,000

A. EDWARDS,
for Agent and Manager.

F. DUNSTERVILLE,
Chief Auditor.

F. G. HEAVEN,
Examiner of Railway Accounts.

MADRAS,
10th May 1899.

RAILWAY.

Government {1899} of Madras.

PUBLIC WORKS.

Recd. } 1899. *Enclosures*

Regd. } *Spare copies*

Letter, No. 651 Ry., 10th June 1899.

JUNE.

Capital and Revenue Revised and Budget Estimates, Madras Railway

Forwarding the Final issue of the — for the years 1898–99 and 1899–1900.

PUBLIC WORKS DEPARTMENT.

Railway.

LETTER—from

FRANCIS J. E. SPRING, ESQ., C.I.E.,
Joint Secretary to the Government of Madras,
Public Works Department,
Railway Branch,

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,
PUBLIC WORKS DEPARTMENT.

SIR,

With reference to Government of India resolution No. $\frac{6}{\text{B.O.}}$ A.R., dated 21st March 1899, I am directed to forward, herewith, the Final Issue of the Capital and Revenue Revised and Budget Estimates of the Madras Railway for the years 1898–99 and 1899–1900.

2. I am to state that the outlay in England has, under the authority of your telegram No. 74 A.R., dated 18th April 1899, been reduced to Rs. 9,97,000 which is based on the latest estimate of the Board, viz., £91,392, and the outlay in India has been correspondingly increased, so that the net outlay works out to the amount sanctioned by the Government of India.

I have the honour to be,
Sir,
Your most obedient servant,

FRANCIS J. E. SPRING,
Joint Secretary.

OOTACAMUND,
10th June 1899.

Exd. T. K. Narayana Aiyangar.

RAILWAY.

Government {1899} of Madras.

PUBLIC WORKS.

Recd. } 1899. *Enclosures*
Regd. *Spare copies*

G.O., No. 650 Ry., 10th June May 1899.

MAY.

No. 650 Ry., 10th May 1899.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Railway.

Read the following paper :—

From—The Agent and Manager, Madras Railway.
To—The Consulting Engineer for Railways.
Dated—Madras, 11th May 1899, No. 10352/537.

ORDER—No. 650 Ry., dated 10th May 1899.

Ordered that the Final Issue of the Capital and Revenue Revised and Budget Estimates of the Madras Railway for the years 1898–99 and 1899–1900, be forwarded to the Government of India.

[Here enter No. 651 Ry., dated 10th May 1899.]

(True Extract.)

FRANCIS J. E. SPRING,
Joint Secretary.

To the Agent and Manager, Madras Railway.
" Examiner, Guaranteed Railway Accounts, Madras.
" Consulting Engineer for Railways.

Exd. T. K. Narayana Aiyangar.

FINAL ISSUE.

CAPITAL AND REVENUE REVISED AND BUDGET ESTIMATES

OF THE

MADRAS RAILWAY

FOR THE YEARS

1898-99 & 1899-1900.

CAPITAL ACCOUNT.

ABSTRACT of the ESTIMATED CASH EXPENDITURE on the MADRAS RAILWAY for the official year 1899–1900.

Particulars.	Actuals for 1897–98.	Budget estimate for 1898–99.	Revised estimate for 1898–99.	Budget estimate for 1899–1900.
INDIAN.	RS.	RS.	RS.	RS.
CAPITAL OUTLAY.				
Engineering Department.				
Sanctioned works as per schedule A		1,56,613	1,34,435	1,13,191
Works to be sanctioned as per schedule B ...		3,18,434	...	1,61,745
Emergent works as per schedule D		...	...	...
Locomotive Department.				
Sanctioned works as per schedule A	2,66,191	5,453	1,673	3,646
Works to be sanctioned as per schedule B ...		300	...	300
Carriage and Wagon Department.				
Sanctioned works as per schedule A		94,152	23,484	1,06,654
Works to be sanctioned as per schedule B ...		82,900	...	21,400
General.				
Establishment	...	...	...	...
Stores as per schedule E	18,93,119	20,12,148	16,40,408	15,41,064
Miscellaneous	3,057	5,000	4,000	5,000
Suspense miscellaneous	1,35,537	1,50,000	3,96,000	1,50,000
Increase or decrease of balance of Capital Advance Account	76,023	...	...	...
Total, Withdrawals on Capital Account ...	22,21,881	28,25,000	22,00,000	21,03,000
Receipts to be credited to Capital Account.				
Share capital paid in India	..	...	...	...
Refunds for stores sold to Revenue, &c. ...	25,86,479	25,00,000	24,50,000	22,00,000
Other refunds—				
Home expenditure, &c.	2,18,799	3,00,000	5,50,000	3,00,000
Total, Payments on Capital Account ...	28,05,278	28,00,000	30,00,000	25,00,000
Net cash demand in India on Capital Account ...	**5,83,397**	25,000	**8,00,000**	**3,97,000**
ENGLAND.				
Probable amount of outstanding indents of the previous year	...	7,36,026	3,35,000	3,00,000
Probable amount of indents to be sent home for compliance during the year	...	16,52,338	8,61,000	13,43,000
Total ...	...	23,88,364	11,96,000	16,43,000
Deduct probable amount of outstanding indents at the close of the year ...	...	6,00,000	3,00,000	7,51,000
Total, Outlay for Stores ...	7,39,981	17,88,364	8,96,000	8,92,000
Home Expenditure and Payments.				
Home expenditure	79,419	81,818	83,000	83,000
Furlough and sick leave allowances		10,909	11,000	11,000
Family and sundry payments less receipts ...		10,909	11,000	11,000
Total, Home Expenditure and Payments ...	79,419	1,03,636	1,05,000	1,05,000
Total, Cash Demand in England ...	8,19,400	18,92,000	10,01,000	9,97,000

REVENUE ACCOUNT.

ABSTRACT of ESTIMATED REVENUE RECEIPTS and EXPENDITURE of the MADRAS RAILWAY for the official year 1899–1900.

Particulars.	Actuals for 1897–98.	Budget estimate for 1898–99.	Revised estimate for 1898–99.	Budget estimate for 1899–1900.
RECEIPTS AS PER SCHEDULE F.	RS.	RS.	RS.	RS.
Coaching traffic	44,90,323	46,00,000	38,25,000	42,00,000
Goods do.	66,56,408	62,00,000	62,18,000	65,22,000
Electric Telegraph earnings	19,703	20,000	17,000	18,000
Sundries	2,21,867	1,80,000	1,90,000	1,60,000
Total (1) ...	1,13,88,301	1,10,00,000	1,02,50,000	1,09,00,000
Receipts on account of traffic appertaining to other lines	17,95,328	16,00,000	18,00,000	18,00,000
Receipts from Capital Account other than traffic earnings				
Receipts from foreign lines other than traffic earnings				
Other abnormal receipts in detail or as per schedule attached	...	...	...	...
Total, Payments into Treasury on Revenue Account (2) ...	1,31,83,629	1,26,00,000	1,20,50,000	1,27,00,000
EXPENDITURE AS PER SCHEDULE G.				
Maintenance of way, works and stations ...	12,11,243	13,00,000	12,52,000	12,57,000
Locomotive expenses	21,33,395	21,00,000	20,62,000	20,86,000
Carriage and wagon expenses	6,05,445	5,50,000	4,41,000	4,33,000
Traffic expenses	8,36,170	8,50,000	8,53,000	8,24,000
General charges	5,81,280	6,05,000	5,90,000	5,84,000
Special and miscellaneous expenditure ...	1,08,299	95,000	1,02,000	1,16,000
Total (3) ...	55,05,832	55,00,000	53,00,000	53,00,000
Payments to other lines of their proportion of through traffic, &c.	17,86,328	16,00,000	18,00,000	18,00,000
Payments to Capital Account other than for stores, &c., included in the working expenses in schedule G				
Other abnormal payments in detail or as per schedule attached	...	...	...	...
Total, Withdrawals from Treasury on Revenue Account (4) ...	72,92,160	71,00,000	71,00,000	71,00,000
Net earnings (1) — (3) ...	58,82,469	55,00,000	49,50,000	56,00,000
Net receipts (2) — (4) ...	58,91,469	55,00,000	49,50,000	56,00,000
Surplus profits, Company's share ...	85,969	...	94,114	44,000
Contribution to Provident Institution ...	10,224	...	48,886	56,000

CAPITAL.

Schedule A or Construction Works—Part I.

Budget Estimate of Sanctioned Works of the Madras Railway for the official year 1899–1900.

Number of items.	Sanctions. Number.	Sanctions. Date.	Particulars.	Amount of estimate. Cash outlay in India.	Value of stores.	Total expenditure.	Actual expenditure up to close of official year 1897-98. Cash outlay in India.	Value of stores.	Total.	Probable expenditure during 1898-99. Cash outlay in India.	Value of stores.	Total.	Budget Estimate of expenditure for official year 1899-1900. Cash outlay in India.	Value of stores.	Total.	Estimated expenditure in future years.	Remarks.
			Engineering Department.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
			Bridge work.														
1	G.O., No. 132 R.	17th Feb. 1896.	Converting the 30-feet arch bridge at 168/10 miles, Bangalore branch, into a girder opening.	5,450	2,379	7,829	3,169	1,502	4,671	937	..	937	..	..	..	..	
	M.O.M. ..	29th Oct. 1897.															
	M.O.M. ..	3rd Dec. ,,															
	M.O.M. ..	25th Mar. 1898.															
	M.O.M. ..	18th Oct. ,,															
2	G.O., No. 834 R.	16th Oct. 1897.	Diversion of the Koduru river at 107/10-11 miles, North-west line.	19,427	..	19,427	4,733	..	4,763	14,692	..	14,692	..	..	..	..	
	M.O.M. ..	6th Dec. 1898.															
3	G.O., No. 336 R.	11th May 1897.	Restoration of bridge No. 251 at 107/10-11 miles, North-west line.	14,156	2,999	17,155	14,156	3,906	18,062	..	Cr. 907	Cr. 907	..	..	..	..	The alteration is due to re-allocation which has been approved of, but not recorded being under Rs. 500.
	M.O.M. ..	25th Mar. 1898.															
	G.O., No. 1003 Ry.	6th Aug. ,,															
	M.O.M. ..	18th Oct. ,,															
			Stations and Buildings.														
			Rayapuram.														
4	G.O., No. 728 R.	24th Sept. 1897.	Alteration of sidings, &c., at Rayapuram.	1,456	4,331	5,787	780	439	1,219	676	3,499	4,175	..	..	..	..	
	M.O.M. ..	13th ,, 1898.															
	M.O.M. ..	24th Jan. 1899.															
	M.O.M. ..	7th Mar. ,,															
5	G.O., No. 719 Ry.	13th May 1898.	Extra accommodation to Chief Auditor's office over Ticket Printing office at Rayapuram.	6,790	4,528	11,318	..	..	..	2,830	5,518	8,348	2,970	..	2,970	..	Necessary re-allocation will be obtained.
6	G.O., No. 1164 Ry.	22nd Sept. 1898.	Additional rooms for Audit office on 3rd storey to replace rooms on groundfloor to be acquired for records at Rayapuram.	5,063	9,229	14,292	..	..	..	700	7,000	7,700	4,363	2,229	6,592	..	
7	G.I. No. 041 R.C.	16th Feb. 1899.	Extension of Madras Railway from Rayapuram to Joint Station opposite to General Post Office on the beach.	35,079	37,694	72,773	..	..	..	550	15,000	15,550	34,529	22,694	57,223	..	
	G.O., No. 264 Ry.	6th Mar. ,,															
8	G.O., No. 693 R.	20th Sept. 1897.	Foot over-bridge at Elephant gate level crossings.	1,750	4,650	6,400	1,128	4,235	5,363	622	409	1,031	..	..	..	..	One-half of the cost borne by the Madras Municipality.
	M.O.M. ..	25th Mar. 1898.															
	M.O.M. ..	1st July ,,															
	M.O.M. ..	6th Dec. ,,															
			Washermanpet.														
9	G.O., No. 56 R.	26th Jan. 1897.	Extension of the through siding for the Ennur line at Washermanpet.	3,160	3,375	6,535	2,854	3,329	6,183	18	46	64	..	..	..	..	The alteration is due to re-allocation which has been approved of, but not recorded being under Rs. 500.
	M.O.M. ..	28th ,, 1898.															
	M.O.M. ..	18th Oct. ,,															
			Perambur Works.														
10	G.I. No. 104 R.C.	27th Jan. 1896.	Extension of the erecting shed, Foreman's office and tool stores at Perambur works.	20,211	17,335	37,546	12,024	13,223	25,247	1,402	2,717	4,119	..	..	..	..	The alteration is due to re-allocation which has been approved of, but not recorded being under Rs. 500.
	G.O., No. 117 R.	13th Feb. ,,															
	M.O.M. ..	25th Mar. 1898.															
	M.O.M. ..	18th April 1899.															
11	G.O., No. 1147 R.	16th Dec. 1897.	Raising boundary wall at Perambur works.	4,809	950	5,759	185	..	185	81	612	693	..	..	..	..	
	M.O.M. ..	7th Mar. 1899.															
11A	G.O., No. 1020 Ry.	10th Aug. 1898.	Bungalow for Medical officer at Perambur.	5,381	4,219	9,600	..	..	..	20	5,000	5,020	3,980	600	4,580	..	The necessary re-allocation of the estimates will be obtained.
12	G.O., No. 1072 Ry.	20th ,, ,,	Bungalow for the Second Assistant Locomotive Superintendent at Perambur.	4,329	2,871	7,200	..	..	..	3,200	3,000	6,200	1,000	..	1,000	..	
13	G.O., No. 81 Ry.	17th Jan. ,,	Filling up side ditches at 3/13-20 miles, South-west line.	5,996	..	5,996	..	..	..	4,882	..	4,882	..	..	..	..	
	M.O.M. ..	6th Dec. ,,															
			Arkonam.														
14	G.O., No. 513 Ry.	1st April 1898.	Converting the existing Telegraph workshop and store yards into quarters for weigh-bridge fitter, and his assistant and a power house for electric lighting installations at Arkonam.	3,970	1,333	5,303	..	..	..	1,883	3,579	5,462	..	..	..	..	Sanction will be obtained for the excess.
			Jalarpet.														
15	G.O., No. 4 R.	4th Jan. 1897.	Additional water-supply at Jalarpet ..	6,572	4,322	10,894	2,767	2,384	5,151	656	1,938	2,594	3,149	..	3,149	..	
	M.O.M. ..	25th Mar. 1898.															
	M.O.M. ..	1st July ,,															
	M.O.M. ..	13th Sept. ,,															
	M.O.M. ..	6th Dec. ,,															
			Bisanatham.														
16	G.O., No. 412 Ry.	15th Mar. 1898.	Station-house, &c., at Bisanatham ..	2,533	3,529	6,062	..	..	..	700	1,000	1,700	1,833	2,529	4,362	..	
	M.O.M. ..	7th ,, 1899.															

Budget Estimate of Sanctioned Works of the

Number of items.	Sanctions. Number.	Sanctions. Date.	Particulars.	Amount of estimate. Cash outlay in India.	Value of stores.	Total expenditure.
			ENGINEERING DEPARTMENT—*cont.*	Rs.	Rs.	Rs.
			Stations and Buildings—cont.			
			Whitefield (Watering Station).			
17	G.O., No. 964 R. M.O.M. .. M.O.M. .. M.O.M. .. M.O.M. ..	14th Nov. 1896. 29th Sept. 1897. 3rd Dec. „ 1st July 1898. 13th Sept. „	Watering arrangements from nullah at 203/14 miles, Bangalore branch.	3,105	14,873	17,978
			Bangalore City.			
18	G.I. No. 94 R.C. G.O., No. 81 R. C.E. No. 3061. M.O.M. .. G.I. No. 1340 R.C. G.I. No. 1831 R.C. G.O., No. 1041 R. M.O.M. ..	30th Jan. 1894. 6th Feb. „ 30th Sept. 1895. 30th „ 1896. 8th „ „ 4th Dec. „ 14th „ „ 13th Sept. 1898.	Alterations and additions to station-house, platform, &c., at Bangalore City.	2,19,939	1,74,413	3,94,352
			Mangalam.			
19	G.O., No. 1158 R. M.O.M. ..	17th Dec. 1897. 18th Oct. 1898.	Extension of goods godown and siding at Mangalam.	1,282	5,074	6,356
			Kallayi.			
20	G.O., No. 269 R. M.O.M. ..	17th Feb. 1898. 24th Jan. 1899.	Additional dock at Kallayi	2,107	5,814	7,921
			Ponpadi.			
21	G.O., No. 416 R. M.O.M. .. M.O.M. .. M.O.M. ..	25th June 1897. 1st July 1898. 13th Sept. „ 7th Mar 1899..	Station-house, &c., at Ponpadi	5,362	4,095	9,457
			Nagari.			
22	G.O., No. 522 R M.O.M. .. M.O.M .. M.O.M. .. M O.M. .. M.O.M. .. M.O.M. ..	15th Aug. 1895. 29th Sept. 1897. 29th Oct. „ 25th Mar. 1898. 1st July „ 13th Sept. „ 7th Mar. 1899.	Interlocking points and signals at Nagari.	830	8,462	9,292
			Nandalur.			
23	G.I. No. 899 R.C. G.O., No. 907 Ry	28th June 1898. 11th July „	Conversion of Nandalur into an engine-changing station.	29,371	21,828	51,199
			Yerragudipad.			
24	G.O., No. 130 Ry.	24th Jan. 1898.	Station-house, &c., at Yerragudipad ..	7,834	4,176	12,010
			Kalamala.			
25	G.O, No. 410 R. M.O.M. .. M O M. .. M.O.M. ..	19th June 1897. 1st July 1898. 13th Sept. „ 24th Jan. 1899.	Station-house at Kalamala	7,121	5,387	12,508
			Gooty.			
26	G.O., No. 898 R.	7th July 1898.	Locomotive workshops, alteration of locomotive sidings and new 50-feet engine turn-table in lieu of the existing 40-feet one at Gooty.	1,877	11,195	13,072
27	G.O., No. 1159 R. M.O M. .. M.O.M. ..	17th Jan. 1897. 29th July 1898. 7th Mar. 1899.	Twenty-two houses for subordinate staff (Traffic department).	4,630	2,760	7,390
28	G.O., No. 1562 Ry.	19th Dec. 1898.	Twenty-five houses for subordinate staff (Traffic department).	4,491	2,935	7,426
29	G.O., No. 208 R. M.O.M. .. M.O.M. .. M.O.M. ..	26th Mar. 1897 26th Aug. „ 13th Sept. 1893. 6th Dec. „	Alteration of home signals so that their arms will fly to danger on any connection breaking on South-west and North-west lines.	4,185	4,340	8,525
30	G.O., No. 1169 R. M.O.M. ..	23rd Sept. 1898. 7th Mar. 1899.	Making and fitting Whitney's point bolt locks at points of blind sidings running off the main line and trapping points on the South-west and North-west lines.	1,177	5,683	6,860
			Electric Telegraph.			
31	G.O., No. 1115 Ry.	3rd Sept. 1898.	Lighting the Arkónam station and yard by electricity.	2,470	15,251	17,721
			Sanctioned minor works as per Schedule C.	86,316	78,688	1,65,004
			Total, Engineering Department ..	5,28,229	4,68,718	9,96,947

Madras Railway for the official year 1899–1900—*cont.*

Actual expenditure up to close of official year 1897–98. Cash outlay in India.	Value of stores.	Total.	Probable expenditure during 1898–99. Cash outlay in India.	Value of stores.	Total.	Budget estimate of expenditure for official year 1899–1900. Cash outlay in India.	Value of stores.	Total.	Estimated expenditure in future years.	Remarks.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
210	6,280	6,490	1,214	11,703	12,917	4	..	4	..	Revised estimate will be submitted.
1,60,904	95,970	2,56,874	46,100	20,500	66,600	12,935	57,943	70,878	..	
106	1,702	1,808	915	2,057	2,972	..	..	..	..	
..	..	..	1,859	3,853	5,712	..	..	..	..	
380	1,286	1,666	1,539	737	2,276	3,443	2,072	5,515	..	
1,149	8,405	9,554	177	49	226	..	..	..	..	Sanction for the excess over estimate will be obtained.
29,381	23,683	53,064	Cr. 10	Cr. 202	Cr. 212	..	..	..	..	Sanction for the excess will be obtained.
..	..	..	7,900	3,000	10,900	..	1,110	1,110	..	Sanction for a re-allocation of the estimate will be obtained.
3,881	1,161	5,042	3,508	4,076	7,584	..	..	..	..	Sanction for excess over estimate will be obtained.
..	..	..	1,280	6,000	7,280	597	5,195	5,792	..	
35	574	609	1,125	2,000	3,125	3,470	186	3,656	..	
..	..	..	470	935	1,405	4,021	2,000	6,021	..	
3,930	3,436	7,366	..	1,682	1,682	..	..	..	..	Adjustment will be made for the excess.
..	..	..	..	..	..	1,177	5,683	6,860	..	
612	11,670	12,282	250	500	750	1,608	3,081	4,689	..	
12,328	13,171	25,499	34,259	39,384	73,643	34,112	27,371	61,483	..	
2,54,712	1,96,356	4,51,068	1,34,435	1,44,655	2,79,120	1,13,191	1,32,693	2,45,884	..	

Budget Estimate of Sanctioned Works of the

Number of items.	Sanctions. Number.	Sanctions. Date.	Particulars.	Amount of estimate. Cash outlay in India.	Value of stores.	Total expenditure.
			LOCOMOTIVE DEPARTMENT.	RS.	RS.	RS.
1	G.O., No. 804 R.	21st Sept. 1896.	Fitting automatic vacuum brake gear to ten engines.	2,496	12,124	14,620
	M.O.M. ..	29th April 1898.				
	M.O.M. ..	13th Sept. ,,	Do. do. do.	1,200	8,680	9,880
2	G.I. No. 302 R.S.	13th July 1896.				
	G.O., No. 642 R.	28th ,, ,,				
	M.O.M. ..	28th Jan. 1898.	Fitting automatic vacuum brake gear to four engines.	1,200	3,889	5,089
3	G.O , No. 14 R.	8th ,, 1897.	Fitting automatic vacuum brake gear to six engines.	2,500	6,760	9,260
	M.O.M. ..	28th ,, 1898.				
4	G.I. No. 213 R.S	22nd May 1897.				
	G.O., No. 391 R.	5th June ,,				
	M.O.M.	28th Jan. 1898.	Two new locomotive engines	7,982	28,068	36,050
5	G.I. No. 191 R.S.	5th May 1897.				
	G.O., No. 361 R.	20th ,, ,,				
	M.O.M. ..	1st July 1898.	One planing machine	180	6,090	6,270
6	G.O., No. 445 R.	8th ,, 1897.				
	M.O.M. ..	25th Feb. 1898.	Sanctioned minor works ..	429	4,271	4,700
	M.O.M. ..	1st July ,,				
			Total, Locomotive Department ..	15,987	69,882	85,869
			CARRIAGE AND WAGON DEPARTMENT.			
1	G.I., No. 55 R.S.	2nd Feb. 1897.	Fitting carriages with apparatus for gas lighting.	20,814	1,90,442	2,11,256
	G.O., No. 102 R	13th ,, ,,				
	M.O.M. ..	28th Jan. 1898.	Fitting automatic vacuum brake gear to fifty carriages.	4,254	21,153	25,407
2	G.O., No. 804 R.	21st Sept. 1896.				
	M.O.M. ..	29th April 1898.	Do. do. do.	5,000	22,380	27,380
	M.O.M. ..	13th Sept. ,,				
3	G.I. No. 302 R.S.	13th July 1896.				
	G.O., No. 642 R.	28th ,, ,,				
	M.O.M. ..	28th Jan. 1898.	Fitting automatic vacuum brake gear to two hundred carriages.	25,684	85,507	1,11,191
4	G.I. No. 213 R.S.	22nd May 1897.				
	G.O., No. 391 R.	5th June ,,				
	M.O.M.	28th Jan. 1898.	Do. do. do.	20,000	95,100	1,15,100
5	G.I. No. 1729 R.S.	30th Dec. ,,				
	G.O., No. 50 R.	10th Jan. 1899.				
6	G.I. No. 191 R.S.	5th May 1897.	Two composite bogie, seventeen third-class carriages, two third-class carriages with brakes and two ordinary brake-vans.	26,200	1,11,500	1,37,700
	G.O., No. 344 Ry.	28th Mar. 1899.				
7	G.O., No. 136 R.	18th Feb. 1896.	One bogie corridor composite carriage ..	4,271	17,158	21,429
	,, ,, 949 Ry.	23rd July 1898.				
	M.O.M. ..	1st ,, ,,				
	M.O.M. ..	18th Oct. ,,				
8	G.I. No. 395 R.S.	4th Oct. 1897.	Five bogie composites, 1st, 2nd and 3rd class.	35,850	1,14,150	1,50,000
	G.O., No. 814 R.	13th ,, ,,	Five bogie third-class carriages ..	31,510	1,64,473	1,95,983
9	G.I., No. 1398 R.S.	26th Aug. 1897.	Forty-six third-class carriages ..	7,665	9,905	17,570
	G.O., No. 751 R.	30th Sept. ,,	Converting seven second-class carriages into composites.	4,620	19,080	23,700
10	G.O., No. 939 Ry.	18th July 1898.	Six oil tank wagons	1,970	6,010	7,980
11	G.O., No. 1133 Ry.	13th Sept. 1898	Two horse boxes, double . ..	47,436	3,20,564	3,68,000
12	G.O., No. 69 Ry.	12th Jan. 1899.	Two-hundred open goods wagons ..	1,265	3,715	4,980
13	G.I., No. 235 R.S.	11th Feb. ,,				
	G.O., No. 210 Ry.	22nd ,, ,,	Converting existing luggage compartments of ten powder brakevans into powder compartments.	684	836	1,520
14	C.E., No. 807.	8th Mar. ,,	Sanctioned minor works	2,37,223	11,81,973	14,19,196
			Total, Carriage and Wagon Department.	7,81,439	17,20,573	25,02,012
			Total, Schedule A ..			

* The totals of these items are

Madras Railway for the official year 1899–1900—*cont.*

Actual expenditure up to close of official year 1897–98. Cash outlay in India.	Value of stores.	Total.	Probable expenditure during 1898–99. Cash outlay in India.	Value of stores.	Total.	Budget estimate of expenditure for official year 1899–1900. Cash outlay in India.	Value of stores.	Total.	Estimated expenditure in future years.	Remarks.
RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	
2,459	8,882	11,341	21	395	416	..	..	..	..	*
19	6,639	6,658	1,095	1,291	2,386	86	750	836	..	
135	2,337	2,472	5	1,508	1,513	1,060	44	1,104	..	
..	..	..	..	6,027	6,027	2,500	733	3,233	..	
7,982	27,930	35,912	..	138	138	..	..	..	..	
..	..	..	180	6,090	6,270	..	..	..	..	
..	..	..	372	3,872	4,244	..	..	..	..	
10,595	45,788	56,383	1,673	19,321	20,994	3,646	1,527	5,173	..	
20,040	1,53,500	1,73,540	302	13,216	13,518	472	23,726	24,198	..	
3,560	23,699	27,259	..	..	..	..	..	..	..	*
4,961	23,992	28,953	39	2,837	2,876	..	..	..	..	A revised estimate has been submitted.
3,297	43,081	46,378	3,894	55,328	59,222	18,493	..	18,493	..	Sanction for the excess will be obtained.
..	..	..	952	27,724	28,676	19,048	67,376	86,424	..	
18,861	96,939	1,15,800	8,763	16,174	24,937	..	..	..	..	Sanction for the excess will be obtained.
3,768	16,117	19,885	472	1,041	1,513	..	..	..	..	The alteration is due to re-allocation which has been approved of, but not recorded being under Rs. 500.
..	..	..	4,062	13,273	17,335	31,788	1,00,877	1,32,665	..	443/794 of the total cost of the stock to be recovered from Great Indian Peninsula Railway.
38	246	284	853	..	853	8,054	89,673	97,727	97,119	
..	..	..	3,825	4,975	8,800	3,840	4,930	8,770	..	
..	..	..	320	1,120	1,440	4,300	17,960	22,260	..	
..	..	..	2	50	52	1,968	5,960	7,928	..	
..	..	..	..	..	..	16,742	3,20,564	3,37,306	30,694	
..	..	..	..	..	..	1,265	3,715	4,980	..	
..	..	..	..	45	45	684	791	1,475	..	
54,525	3,57,574	4,12,099	23,484	1,35,783	1,59,267	1,06,654	6,35,572	7,42,226	1,27,813	
3,19,832	5,99,718	9,19,550	1,59,592	2,99,789	4,59,381	2,23,491	7,69,792	9,93,283	1,27,813	

within the total sanctioned estimate.

SCHEDULE B OR CONSTRUCTION WORKS—PART II.

Budget Estimate of Unsanctioned Works of the Madras Railway for the official year 1899-1900.

Number of items.	Sanctions. Number.	Sanctions. Date.	Particulars.	Amount of estimate. Cash outlay in India.	Amount of estimate. Value of stores.	Amount of estimate. Total expenditure.	Actual expenditure up to close of official year 1897-98. Cash outlay in India.	Actual expenditure up to close of official year 1897-98. Value of stores.	Actual expenditure up to close of official year 1897-98. Total.	Probable expenditure during 1898-99. Cash outlay in India.	Probable expenditure during 1898-99. Value of stores.	Probable expenditure during 1898-99. Total.	Budget estimate of Expenditure for official year 1899-1900. Cash outlay in India.	Budget estimate of Expenditure for official year 1899-1900. Value of stores.	Budget estimate of Expenditure for official year 1899-1900. Total.	Estimated expenditure in future years.	Remarks
			ENGINEERING DEPARTMENT.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	
			Bridge Work.														
1	..	..	Strengthening the girders of bridge over the Cochrane's canal at 0/14 miles.	8,626	9,774	18,400	..	..	..	..	..	..	4,000	5,000	9,000	9,400	
2	..	..	Strengthening the girders of bridge over the Tirur river by inserting central masonry piers on screw piles, South-west line.	3,021	6,031	9,052	..	..	..	..	..	..	3,021	6,031	9,052	..	
3	..	..	Strengthening the girders of bridge over the Kadalandi by-screw pile piers and duplicating the girders, South-west line.	17,529	31,076	48,605	..	..	..	..	..	..	8,000	15,000	23,000	25,605	
4	..	..	Strengthening the girders of bridge No. 825 at 258/10 miles, North-west line.	4,386	7,662	12,048	..	..	..	..	..	..	4,386	7,662	12,048	..	
5	..	..	Strengthening the girders of bridge over the Cheyair river by inserting central masonry piers for four spans and replacing the other spans by new girders, North-west line.	26,767	41,307	68,074	..	..	..	..	..	..	8,000	20,000	28,000	40,074	
6	..	..	Strengthening the girders of the Tungabhadra bridge by converting land spans to be replaced by steel girders, North-west line.	56,825	88,103	1,44,928	..	..	..	..	..	..	8,000	20,000	28,000	1,16,928	
			Stations and Buildings.														
			Rayapuram.														
7	..	..	Export and import sheds and sidings at Rayapuram.	12,406	35,644	48,050	..	..	..	..	..	..	..	..	..	48,050	
8	..	..	Branch line and sidings for harbour coal traffic at Rayapuram.	5,156	18,672	23,828	..	..	..	..	..	..	..	..	..	23,828	
			Washermanpet.														
9	..	..	Branch line from Washermanpet to Salt Cotaurs.	91,912	56,733	1,48,645	..	..	..	..	..	..	5,000	10,000	15,000	1,33,645	
10	..	..	Junction station at Washermanpet ..	42,103	3,726	45,829	..	..	..	..	..	..	3,000	3,726	6,726	39,103	
11	..	..	Doubling the line between Washermanpet and Veyasarpaudy.	11,158	22,796	33,954	..	..	..	..	..	..	4,000	10,000	14,000	19,954	
			Salt Cotaurs.														
12	..	..	Junction arrangement at Salt Cotaurs in connection with East Coast Railway.	3,14,147	71,916	3,86,063	..	..	..	..	..	..	7,000	10,000	17,000	3,69,063	
			Perambur Works.														
13	..	..	Extension of workshops at Perambur works.	3,31,626	2,73,508	6,05,134	..	..	..	..	..	..	6,000	10,000	16,000	5,89,134	
			Mosur.														
14	..	..	Station-house, Booking office, 3rd class Waiting room, Stationmaster's house, latrine for passengers, one hut for porter, one hut for scavenger and well.	3,253	3,012	6,265	..	..	..	..	..	..	3,253	3,012	6,265	..	
			Arkónam.														
15	..	..	Improvements and additions to the station yard at Arkonam.	54,286	37,260	91,546	..	..	..	..	..	..	7,000	10,000	17,000	74,546	
			Kettandapatti.														
16	..	..	Crossing station at Kettandapatti ..	2,897	10,923	13,820	..	..	..	..	..	..	2,897	10,923	13,820	..	
			Jalarpet.														
17	..	..	Re-arrangement of goods yard at Jalarpet.	3,211	15,658	18,869	..	..	..	..	..	..	3,211	15,658	18,869	..	
			Bowringpet.														
18	..	..	Proposed lay-bye and alteration of gravitation siding.	10,981	5,120	16,101	..	..	..	..	..	..	3,000	5,120	8,120	7,981	

Budget Estimate of Unsanctioned Works of the

Number of items.	Sanctions. Number.	Sanctions. Date.	Particulars.	Amount of estimate. Cash outlay in India.	Value of stores.	Total expenditure.
			ENGINEERING DEPARTMENT—*cont.*	RS.	RS.	RS.
			Stations and Buildings—cont.			
			Bangalore City.			
19	..	..	Five houses for European joint clerks at Bangalore City.	13,445	2,980	16,425
20	..	..	Shed for making gas and siding at Bangalore City.	5,613	6,987	12,600
21	..	..	Watering arrangements at Bangalore City.	3,000	12,000	15,000
22	..	..	Boundary wall, &c., round the coal transhipping yard at Bangalore City.	5,962	884	6,846
23	..	..	Police quarters at Bangalore City ..	6,141	3,247	9,388
			Mallapuram.			
24	..	..	Re-arrangement of station yard at Mallapuram.	7,920	18,519	26,439
			Mettupalaiyam.			
25	..	..	Watering arrangement at Mettupalaiyam	5,545	18,496	24,041
			Nandalur.			
26	..	..	Twenty-two houses for subordinate staff at Nandalur.	6,731	2,775	9,506
			Gooty.			
27	..	..	Watering arrangement, bringing water by pipes from stream at 258/11 miles, North-west line.	2,375	7,892	10,267
			Timmancherla.			
28	..	..	Alteration of sidings at Timmancherla ..	1,288	4,345	5,633
			Molagavalli.			
29	..	..	Station house, Booking office, 3rd class Waiting room, Oil and Store-room, latrine for passengers, one house for Stationmaster, two huts for porters, and one hut for scavanger.	4,457	3,130	7,587
			Raichur.			
30	..	..	Alteration to station yard at Raichur ..	5,224	8,841	14,065
			Miscellaneous.			
31	..	..	Two double Bungalows for family guards.	7,521	3,136	10,657
32	..	..	Six houses for Native stationmasters ..	4,373	2,607	6,980
33	..	..	Twenty-five houses for subordinate staff (Traffic Department).	7,688	3,162	10,850
34	..	..	Three platforms	3,900	4,140	8,040
35	..	..	Distant signals for six stations, South-west and North-west lines.	1,320	5,016	6,336
			Unsanctioned minor works as per Schedule C.	17,780	12,954	30,734
			Total, Engineering Department ..	11,10,573	8,60,032	19,70,605
			LOCOMOTIVE DEPARTMENT.			
1	..	..	Fitting automatic vacuum brake gear for eight engines.	400	7,550	7,950
			CARRIAGE AND WAGON DEPARTMENT.			
1	..	..	Fitting automatic vacuum brake gear for 200 carriages.	20,000	95,100	1,15,100
2	..	..	Gas plant for joint installation at Bangalore City.	7,000	52,590	59,590

Madras Railway for the official year 1899–1900—*cont.*

Actual expenditure up to close of official year 1897–98. Cash outlay in India.	Value of stores.	Total.	Probable expenditure during 1898–99. Cash outlay in India.	Value of stores.	Total.	Budget estimate of expenditure for official year 1899–1900. Cash outlay in India.	Value of Stores.	Total.	Estimated expenditure in future years.	Remarks.
RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	
..	..	..	..	..	..	4,000	2,980	6,980	9,445	
..	..	..	..	..	..	5,613	6,987	12,600	..	
..	..	..	..	..	..	2,500	10,000	12,500	2,500	
..	..	..	..	..	..	3,500	884	4,384	2,462	
..	..	..	..	..	..	3,484	3,247	6,731	2,657	
..	..	..	..	..	..	4,000	10,000	14,000	12,439	
..	..	..	..	..	..	4,000	10,000	14,000	10,041	
..	..	..	..	..	..	2,000	2,775	4,775	4,731	
..	..	..	..	..	..	2,010	7,000	9,010	1,257	
..	..	..	..	..	..	1,288	4,345	5,633	..	
..	..	..	..	..	..	4,457	3,130	7,587	..	
..	..	..	..	..	..	2,543	5,525	8,068	5,997	
..	..	..	..	..	..	7,521	3,136	10,657	..	
..	..	..	..	..	..	4,373	2,607	6,980	..	
..	..	..	..	..	..	7,688	3,162	10,850	..	
..	..	..	..	..	..	3,900	4,140	8,040	..	
..	..	..	..	..	..	1,320	5,016	6,336	..	
..	..	..	..	..	..	17,780	12,954	30,734	..	
..	..	..	..	..	..	1,61,745	2,60,020	4,21,765	15,48,840	
..	..	..	..	..	..	300	5,700	6,000	1,950	
..	..	..	..	..	..	1,000	25,000	26,000	89,100	
..	..	..	..	..	..	7,000	52,590	59,590	..	See Schedule B, Engineering Department. Cost to be distributed between Southern Mahratta and Madras Railways.

Budget Estimate of Unsanctioned Works of the

Number of items.	Sanctions. Number.	Sanctions. Date.	Particulars.	Amount of estimate. Cash outlay in India.	Value of stores.	Total expenditure.
			CARRIAGE AND WAGON DEPARTMENT —*cont.*	RS.	RS.	RS.
3	..	..	Ten brake vans for joint stock	11,400	38,750	50,150
4	..	..	Five baggage vans for joint stock ..	2,000	10,500	12,500
			Total, Carriage and Wagon Department.	40,400	1,96,940	2,37,340
			Total, Schedule B ..	11,51,373	10,64,522	22,15,895

SCHEDULE C OR CONSTRUCTION

Budget Estimate of Minor Works of the

Number of items.	Sanctions. Number.	Sanctions. Date.	Particulars.	Amount of estimate. Cash outlay in India.	Value of stores.	Total expenditure.
			SANCTIONED WORKS.	RS.	RS.	RS.
			ENGINEERING DEPARTMENT.			
			Bridge-works.			
1	C.E. No. 725 ..	4th Mar. 1896.	Strengthening the girders of bridge No. 82	375	2,429	2,804
	M.O.M. ..	28th Oct. ,,	at 175/16 miles, Bangalore branch.			
	M.O.M. ..	28th Jan. 1898.				
	M.O.M. ..	1st July ,,				
	M.O.M. ..	7th Mar. 1899.				
2	C.E. No. 3222 ..	15th Oct. 1897.	Strengthening 2-64 feet girders by inserting	817	213	1,030
	M.O.M. ..	3rd June 1898.	central masonry piers at 307/17 miles,			
	M.O.M. ..	6th Dec. ,,	Nilgiri branch line.			
3	C.E. No. 3222 ..	15th Oct. 1897.	Strengthening 2-64 feet girders by inserting	955	213	1,168
	M.O.M. ..	3rd June 1898.	central masonry piers at 312/13 miles,			
	M.O.M. ..	6th Dec. ,,	Nilgiri branch line.			
4	C.E. No. 3222 ..	15th Oct. 1897.	Strengthening 2-64 feet girders by inserting	996	213	1,209
	M.O.M. ..	3rd June 1898.	central masonry piers at 314/10 miles,			
	M.O.M. ..	6th Dec. ,,	Nilgiri branch line.			
5	C.E. No. 3222 ..	15th Oct. 1897.	Strengthening 2-64 feet girders by inserting	651	212	863
	M.O.M. ..	1st July 1898.	central masonry piers at 142/10 miles,			
	M.O.M. ..	13th Sept. ,,	North-West line.			
	M.O.M. ..	6th Dec. ,,				
6	C.E. No. 3222 ..	15th Oct. 1897.	Strengthening 4-64 feet girders by inserting	2,010	425	2,435
	M.O.M. ..	1st July 1898.	central masonry piers at 232/3 miles,			
	M.O.M. ..	13th Sept. ,,	North-West line.			
7	C.E. No. 3222 ..	15th Oct. 1897.	Strengthening 2-64 feet girders by inserting	833	212	1,045
	M.O.M. ..	1st July 1898.	central masonry piers at 232/10 miles,			
	M.O.M. ..	13th Sept. ,,	North-West line.			
	M.O.M. ..	6th Dec. ,,				
	M.O.M. ..	7th Mar. 1899.				
8	C.E. No. 3515 ..	17th Nov. 1897.	Strengthening 4-64 feet girders by inserting	2,733	425	3,158
	M.O.M. ..	13th June 1898.	central masonry piers at 313/12 miles,			
	M.O.M. ..	6th Dec. ,,	Nilgiri branch line.			
9	C.E. No. 3515 ..	17th Nov. 1897.	Strengthening 4-64 feet girders by inserting	2,342	426	2,768
	M.O.M. ..	3rd June 1898.	central masonry piers at 321/13 miles,			
	M.O.M. ..	6th Dec. ,,	Nilgiri branch line.			
10	C.E. No. 3515 ..	17th Nov. 1897.	Strengthening 4-64 feet girders by inserting	3,087	425	3,512
	M.O.M. ..	3rd June 1898.	central masonry piers at 308/7 miles,			
			Nilgiri branch line.			
11	C.E. No. 1568 ..	1st June ,,	Strengthening 2-64 feet girders by inserting	955	212	1,167
	M.O.M. ..	6th Dec. ,,	central masonry piers at 248/15 miles,			
	M.O.M. ..	7th Mar. 1899.	North-West line.			
12	C.E. No. 1568 ..	1st June 1898.	Strengthening 4-64 feet girders by inserting	1,910	425	2,335
	M.O.M. ..	6th Dec. ,,	central masonry piers at 248/9 miles,			
	M.O.M. ..	7th Mar. 1899.	North-West line.			
13	C.E. No 1568 ..	1st June 1898.	Strengthening 4-64 feet girders by inserting	1,76.	425	2,192
	M.O.M. ..	6th Dec. ,,	central masonry piers at 263/3 miles,			
	M.O.M. ..	7th Mar. 1899.	North-West line.			

Madras Railway for the official year 1899–1900—*cont.*

Actual expenditure up to close of official year 1897–98. Cash outlay in India.	Value of stores.	Total.	Probable expenditure during 1898–99. Cash outlay in India.	Value of stores.	Total.	Budget estimate of expenditure for official year 1899–1900. Cash outlay in India.	Value of stores.	Total.	Estimated expenditure in future years.	Remarks.
RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	
..	..	..	..	..	..	11,400	38,750	50,150	..	143/794 of the total cost of this stock to be recovered from Great Indian Peninsula Railway.
..	..	..	..	..	..	2,000	10,500	12,500	..	
..	..	..	..	..	..	21,400	1,26,840	1,48,240	89,100	
..	..	..	..	..	..	1,83,445	3,92,560	5,76,005	16,39,890	
..	..	..	..	..	..					

WORKS—PART III.

Madras Railway for the official year 1899–1900

Actual expenditure up to close of official year 1897–98. Cash outlay in India.	Value of stores.	Total.	Probable expenditure during 1898–99. Cash outlay in India.	Value of stores.	Total.	Budget estimate of expenditure for official year 1899–1900. Cash outlay in India.	Value of stores.	Total.	Estimated expenditure in future years.	Remarks.
RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	
..	..	..	39	20	59	..	..	..	..	
754	103	857	Cr. 150	110	Cr. 40	213	..	213	..	
741	56	797	Cr. 160	157	Cr. 3	374	..	374	..	
790	56	846	Cr. 215	Cr. 28	Cr. 243	421	185	606	..	
157	..	157	479	377	856	..	..	..	..	Sanction for excess over estimate will be obtained.
..	82	82	1,681	672	2,353	..	..	..	..	Sanction for re-allocation of the estimate will be obtained.
..	41	41	90	360	450	554	..	554	..	Sanction for re-allocation will be obtained.
1,380	115	1,495	420	310	730	933	..	933	..	
61	159	220	650	267	917	1,631	..	1,631	..	
2,573	156	2,729	Cr. 1,186	269	Cr. 917	1,760	..	1,700	..	
..	..	..	756	447	1,203	199	178	377	..	Revised estimate has been submitted.
..	..	..	1,322	425	1,747	588	..	588	..	
..	..	..	247	766	1,013	1,519	168	1,687	..	

Budget Estimate of Minor Works of the Madras Railway for the official year 1899–1900—*cont.*

Number of items.	Sanctions. Number.	Sanctions. Date.	Particulars.	Amount of estimate. Cash outlay in India.	Value of stores.	Total expenditure.	Actual expenditure up to close of official year 1897–98. Cash outlay in India.	Value of stores.	Total.	Probable expenditure during 1898–99. Cash outlay in India.	Value of stores.	Total.	Budget estimate of expenditure for official year 1899–1900. Cash outlay in India.	Value of stores.	Total.	Estimated expenditure in future years.	Remarks.
			ENGINEERING DEPARTMENT—*cont.*	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
			Stations and Buildings.														
			Rayapuram.														
14	C.E. No. 2733..	23rd Aug. 1897.	Re-arrangement of signals between Washermanpet and Rayapuram.	1,214	1,078	2,292	600	805	1,405	614	273	887	..	..	..	..	
	M.O.M. ..	25th Mar. 1898.															
	M.O.M. ..	1st July ,,															
	M.O.M. ..	6th Dec. ,,															
15	C.E. No. 2539..	4th Aug. 1897.	Substitution of larger level crossing gates at Monegar Choultry.	370	700	1,070	43	393	436	325	307	632	..	..	..	..	The alteration is due to re-allocation which has been approved of but not recorded being under Rs. 500.
	M.O.M. ..	25th Mar. 1898.															
	M.O.M. ..	18th Oct. ,,															
			Washermanpet.														
16	C.E. No. 2003..	16th June 1897.	Substitution of larger level crossing gate at Washermanpet.	551	701	1,252	154	701	855	380	..	380	..	..	..	..	
	M.O.M. ..	25th Mar. 1898.															
	M.O.M. ..	29th July ,,															
17	.E. No. 871 ..	25th Mar. 1898.	Extension of through-siding at Washermanpet to connect lay-bye at Rayapuram (South-West line).	200	1,955	2,155	..	..	..	93	1,841	1,934	..	..	..	..	
	M.O.M. ..	7th Mar 1899.															
18	C.E. No. 2419..	26th Aug. 1898.	Filling in ditch on side of main line between Veyasarpaudy and Central Station on side of Salt Cotaurs.	5,250	..	5,250	..	..	..	5,250	..	5,250	..	..	..	..	
	M.O.M. ..	18th Oct. ,,															
			Central Station.														
19	C.E. No. 552 ..	17th Feb. 1899	Stationmaster's house at Central Station.	2,518	1,722	4,240	..	..	..	..	..	..	2,518	1,722	4,240	..	
20	C.E. No. 819 ..	9th Mar. ,,	Reading-room at Central Station ..	3,027	1 589	4,616	..	..	..	..	..	..	3,027	1,589	4,616	..	
20A	C.E. No. 1243 ..	18th April ,,	Level crossing gates in lieu of the existing ones at $\frac{1}{2}$, $\frac{1}{8}$ and $\frac{3}{8}$ miles, South-West line.	1,412	2,361	3,773	..	..	..	..	..	..	1,412	2,361	3,773	..	
			Perambur Works.														
21	C.E. No. 2954..	11th Sept. 1897.	Line leading from timber-yard into saw mills at Perambur Workshop yard.	187	2,592	2,779	161	2,210	2,371	18	14	32	..	..	..	..	
	M.O.M. ..	25th Mar. 1898.															
	M.O.M. ..	24th Jan. 1899.															
22	C.E. No. 3844..	17th Dec. 1897	Louvre roof and ventilators to erecting and fitting shop at Perambur Works.	444	2,450	2,894	206	1,230	1,436	59	145	204	..	..	..	..	
	M.O.M.	6th Dec. 1898.															
23	C.E. No. 1884..	22nd June 1896.	Interlocking points and signals at west end of Perambur Works.	675	2,471	3,146	674	2,623	3,297	..	Cr.157	Cr. 157	..	..	..	..	The alteration is due to re-allocation which has been approved of but not recorded being under Rs. 500.
	M.O.M. ..	29th Sept. 1897.															
	M.O.M. ..	3rd Dec. ,,															
	M.O.M. ..	29th July 1898.															
24	C.E. No. 1886..	5th June 1897.	Pattern loft under water tank iron foundry at Perambur.	285	1,616	1,901	285	1,172	1,457	..	444	444	..	..	..	..	
	M.O.M. ..	3rd Dec. ,,															
	M.O.M. ..	24th Jan. 1899.															
			Tiruvallúr.														
25	C.E. No. 1650..	6th June 1898.	Extension of ballast siding at Tiruvallúr.	1,364	1,372	2,736	..	..	..	1,259	1,267	2,526	..	..	..	..	
	M.O.M. ..	7th Mar. 1899.															
			Arkonam.														
26	C.E. No. 3869..	18th Dec. 1897.	Depot shed at Arkonam	2,237	817	3,054	..	..	..	1,895	816	2,711	..	..	..	..	The alteration is due to re-allocation which has been approved of but not recorded being under Rs. 500.
	M.O.M. ..	24th Jan. 1899.															
27	C.E. No. 842 ..	23rd Mar. 1898.	Additional room, &c., to Engine driver's bungalow No. 25 at Arkonam.	871	549	1,720	..	..	..	758	792	1,550	..	..	..	..	
	M.O.M. ..	24th Jan. 1899.															
28	C.E. No. 870 ..	25th Mar. 1898.	Converting Travelling Auditor's bungalow into schoolmistress' quarters at Arkonam.	461	873	1,334	..	..	..	461	873	1,334	..	..	..	..	
	M.O.M. ..	13th Sept. ,,															
	M.O.M. ..	18th April 1899.															
29	C.E. No. 937 ..	1st April 1898.	Transfer of Telegraph workshop to the new site at Arkonam.	1,378	2,953	4,331	..	..	..	1,050	3,522	4,572	..	..	..	..	Sanction will be obtained for the excess.
30	C.E. No. 1469..	23rd May 1898.	Wall for timber yard at Arkonam ..	3,200	..	3,200	..	..	..	2,531	..	2,531	..	..	..	..	
	M.O.M. ..	18th April 1899.															
31	C.E. No 2803 ..	11th Oct. 1898.	New siding for ballast wagons at Arkonam.	382	3,504	3,886	..	..	..	382	3,000	3,382	..	504	504	..	

Budget Estimate of Minor Works of the Madras Railway for the official year 1899–1900—*cont.*

Number of items.	Sanctions. Number.	Sanctions. Date.	Particulars.	Amount of estimate. Cash outlay in India.	Value of stores.	Total expenditure.	Actual expenditure up to close of official year 1897-98. Cash outlay in India.	Value of stores.	Total.	Probable expenditure during 1898-99. Cash outlay in India.	Value of stores.	Total.	Budget estimate of expenditure for official year 1899-1900. Cash outlay in India.	Value of stores.	Total.	Estimated expenditure in future years.	Remarks.
			ENGINEERING DEPARTMENT—*cont.*	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
			Stations and Buildings—cont.														
			Munnal.														
32	C.E. No. 3786.. M.O.M. .. M.O.M. .. M.O.M. ..	11th Dec. 1897. 1st July 1898. 6th Dec ,, 7th Mar. 1899 ..	Interlocking points and signals at Munnal.	223	2,246	2,469	19	41	60	..	..	..	204	2,205	2,409	..	
			Arcot.														
33	C.E. No. 2728.. M.O.M. .. M.O.M. .. M.O.M. .. M.O.M. ..	27th Aug. 1895. 30th Sept. 1896. 2nd Dec. ,, 3rd Dec. 1897. 6th ,, 1898.	Six houses for subordinate staff at Arcot.	805	429	1,234	..	..	..	745	532	1,277	..	..	..	..	Sanction for excess over estimate will be obtained.
			Virinchipuram.														
34	C.E No. 936 .. M.O.M. .. M.O.M. ..	1st April 1898. 18th Oct. ,, 7th Mar. 1899.	Wooden palings on platform in lieu of wire fence at Virinchipuram.	36	1,348	1,384	..	..	..	36	1,348	1,384	..	..	..	..	
			Vinnamangalam.														
35	C.E. No. 1976.	8th July 1898.	Stationmaster's house at Vinnamangalam.	753	525	1,278	..	..	..	153	200	353	600	325	925	..	
			Buddireddipatti.														
36	C.E. No 1008..	8th April 1898.	Additional wrought iron tank at Buddireddipatti.	30	1,082	1,112	..	..	..	30	1,084	1,114	..	..	..	..	Sanction for excess over estimate will be obtained.
			Jalarpet.														
37	C E. No. 3870 . M.O.M. ..	18th Dec. 1897. 24th Jan. 1899.	Double bungalow for family guards at Jalarpet.	3,252	1,529	4,781	912	662	1,574	2,340	720	3,060	..	..	..	..	The alteration is due to re-allocation which has been approved of but not recorded being under Rs. 500.
38	C.E. No. 3292..	2nd Dec. 1898..	Do. do. do. ..	3,355	1,603	4,958	..	..	..	..	..	..	3,355	1,603	4,958	..	
			Mullanur.														
39	C.E. No. 283 .. M.O.M. .. M.O.M. ..	28th Jan. 1898. 13th Sept. ,, 7th March 1899.	Additional sidings at Mullanur ..	477	2,912	3,389	..	..	..	400	2,800	3,200	77	112	189	..	
			Bowringpet.														
40	C.E. No. 2955.. M.O.M. .. M.O.M. .. M.O.M. .. M.O.M. .. M.O.M. ..	11th Sept. 1897. 25th Mar. 1898. 1st July ,, 13th Sept. ,, 6th Dec. ,, 7th Mar. 1899..	Signal arrangement at Bowringpet ..	316	2,725	3,041	154	947	1,101	..	628	628	162	1,150	1,312	..	
41	C.E. No. 3867.. M.O.M. .. M.O.M. .. M.O.M. .. M.O.M. .. M.O.M. ..	18th Dec. 1897. 1st July 1898. 13th Sept. ,, 6th Dec. ,, 24th Jan. 1899. 7th Mar. ,,	Raising and increasing the capacity of locomotive tank at Bowringpet.	2,029	880	2,909	..	..	..	1,400	959	2,359	550	..	550	..	Sanction for a re-allocation of the estimate will be obtained.
			Krishnarajapuram.														
42	C.E. No. 3873.. M.O M. ..	17th Dec. 1897. 18th Oct. 1898.	Assistant Stationmaster's house at Krishnarajapuram.	806	403	1,209	436	215	651	346	110	456	..	..	..	..	
			Bangalore City.														
43	C.E. No. 2699.	1st Oct. 1898.	Native latrine at Bangalore City ..	1,878	1,253	3,131	..	..	..	250	600	850	1,628	653	2,281	..	
			Podanur.														
44	C.E. No. 3868. M.O.M. ..	18th Dec. 1897. 7th Mar. 1899.	Double bungalow for family guards at Podanur.	2,793	1,824	4,617	639	561	1,200	1,932	1,262	3,194	..	..	..	..	The alteration is due to re-allocation which has been approved of but not recorded being under Rs. 500.
45	C.E. No. 3293.	2nd Dec. 1898.	Do. do. do. ..	3,046	1,604	4,650	..	..	..	..	..	..	3,046	1,604	4,650	..	
			Mettupalaiyam.														
46	C.E. No. 3847 .. M.O.M. ..	17th Dec. 1897. 13th Sept. 1898.	House for Carriage Examiner at Mettupalaiyam.	533	634	1,167	110	194	304	408	439	847	..	..	..	..	The alteration is due to re-allocation which has been approved of but not recorded being under Rs. 500.
			Ferok.														
47	C.E. No. 808 ..	8th Mar. 1899.	Renewing platform fence at Ferok ..	100	1,650	1,750	..	..	..	..	..	..	100	1,650	1,750	..	

Budget Estimate of Minor Works of the

Number of items	Sanctions. Number.	Sanctions. Date.	Particulars.	Amount of estimate. Cash outlay in India.	Value of stores.	Total expenditure.
			ENGINEERING DEPARTMENT—*cont.*	RS.	RS.	RS.
			Stations and Buildings—cont.			
			Calicut.			
48	C E. No. 1977..	8th July 1898.	Additional rooms to Guard's bungalow at Calicut.	1,096	220	1,316
49	C.E. No. 2689 ..	30th Sept. 1898.	Additional rooms for Stationmaster's bungalow at Calicut.	695	410	1,105
50	C.E. No. 2834..	14th Oct. 1898.	Four houses for Native Assistant Stationmasters at Mailpatti, Olavakkot, Tyakal and Coimbatore.	2,715	1,738	4,453
			Renigunta.			
51	C.E. No. 913 ..	16th Mar. 1899.	Ballast wagon siding at Renigunta ..	1,103	1,362	2,465
			Reddipalli.			
52	C.E. No. 823 ..	9th Mar. 1899.	Alteration of sidings at Reddipalli ..	1,092	3,014	4,106
			Razampeta.			
53	C.E. No. 495 ..	13th Feb. 1899.	Alteration of sidings at Razampeta ..	557	1,407	1,964
			Nandalur.			
54	C.E. No. 2330..	16th Aug. 1898.	Water-supply for staff quarters and platform at Nandalur.	310	997	1,307
	M.O.M. ..	7th Mar. 1899.		118	1,109	1,227
55	C.E. No. 2341	17th Aug. 1898.	Grouping points at Nandalur	259	1,758	2,017
56	C.E. No. 898 ..	16th Mar. 1899.	Cross-over road at Nandalur	1,926	671	2,597
57	C.E. No. 866 ..	13th Mar. 1899.	Apothecary's bungalow and dispensary at Nandalur.			
			Kamalapuram.			
58	C.E. No. 3267..	20th Oct. 1897.	Extension of platform and diversion of road at Kamalapuram.	840	930	1,770
	M.O.M. ..	1st July 1898.				
	M.O.M. ..	24th Jan. 1899.				
			Mangapatnam.			
59	C E. No. 1957.	11th June 1897.	Two houses for Stationmaster and Assistant Stationmaster and three houses for porters at Mangapatnam.	2,011	1,006	3,017
	M.O M. ..	28th Jan. 1898.				
	M.O.M. ..	18th Oct. ,,				
			Gooty.			
60	C.E. No. 408 ..	10th Feb. 1898.	Refreshment-room, &c., at Gooty ..	672	974	1,646
	M.O.M. ..	7th Mar. 1899.				
			Guntakal.			
61	C.E. No. 428 ..	12th Feb. 1898.	Engineering subordinate's quarters at Guntakal.	1,076	428	1,504
	M.O.M. ..	7th Mar. 1899.				
61½	C.E. No. 1320..	24th April 1899.	Signalling arrangements at Guntakal ..	588	1,817	2,405
			Molagavalli.			
62	C.E. No. 2939 .	26th Oct. 1898.	Extension of lay-bye, &c., at Molagavalli.	145	1,302	1,447
			Raichur.			
63	C.E. No. 1813..	20th June 1898.	Quarters for inter-communication staff of Telegraph Department at Raichur.	946	309	1,255
	M.O.M. ..	18th April 1899.				
64	C.E. No. 1295..	8th April 1897.	Fitting Annet's locks to facing points, North-West and South-West lines.	989	731	1,720
	M.O.M. ..	28th Jan. 1898.				
	M.O.M. ..	6th Dec. ,,				
	M.O.M. ..	7th Mar. 1899.		2,200	..	2,200
65	C.E. No. 1812..	20th June 1898.	One oil-gas engine and accessories for the Ticket Printing office at Ravapuram.	1,089	..	1,089
65½	C.E. No. 1180..	13th April 1899.	Pitching bank in tank at 10/3–13 miles, South-West line to bring it level with 7 feet cess.			
			Total, Engineering Department carried to Schedule A.	86,316	78,688	1,65,004
			LOCOMOTIVE DEPARTMENT.			
1	C.E. No. 1382..	14th May 1898.	Steam hammer	140	1,530	1,670
	M.O.M. ..	1st July ,,				
	M.O M. ..	24th Jan. 1899.		289	2,741	3,030
2	C.E. No. 347 ..	31st ,, ,,	Twelve Erhardt's weighing machines ..			
			Total, Locomotive Department carried to Schedule A.	429	4,271	4,700

Madras Railway for the official year 1899–1900—*cont.*

Actual expenditure up to close of official year 1897–98. Cash outlay in India.	Value of stores.	Total.	Probable expenditure during 1898–99. Cash outlay in India.	Value of stores.	Total.	Budget estimate of expenditure for official year 1899–1900. Cash outlay in India.	Value of stores.	Total	Estimated expenditure in future years.	Remarks.
RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	
			977	399	1,376	..	..	..	..	Sanction will be obtained for the excess.
..	..	..	695	410	1,105	..	..	..	..	
..	..	..	1,300	1,738	3,038	1,415	..	1,415	..	
..	..	..								
						1,103	1,362	2,465	..	
..	..	..	..	..	..					
						1,092	3,014	4,106	..	
..	..	..	..	..	..					
						557	1,407	1,964	..	
..	..	..	..	..	..					
			77	1,734	1,811	233	300	533	..	Revised estimate has been submitted.
..	..	..								Sanction for re-allocation will be obtained.
			127	1,100	1,227	..	..	..	..	
..	..	..	..	..	..	259	1,758	2,017	..	
..	..	..	..	..	..	1,926	671	2,597	..	
..	..	..	..	..	..					
159	293	452	681	637	1,318	..	..	..	..	
1,286	355	1,641	560	562	1,122	..	..	..	..	
..	..	..	672	974	1,646	..	..	..	..	
34	1	35	1,041	386	1,427	..	..	..	..	
..	..	..	..	..	..	588	1,817	2,405	..	
..	..	..	95	1,000	1,095	50	302	352	..	
..	..	..	946	273	1,219	..	..	..	..	The alteration is due to re-allocation which has been approved of but not recorded being under Rs. 500.
..	..	..	..	..	..	989	731	1,720	..	Sanction for a re-allocation will be obtained.
..	..	..	..	2,200	2,200	..	..	..	..	
..	..	..	..	..	..	1,089	..	1,089	..	
12,328	13,171	25,499	34,259	39,384	73,643	34,112	27,371	61,483	..	
..	..	..	83	1,131	1,214	..	..	..	..	
..	..	..	289	2,741	3,030	..	..	..	..	
..	..	..	372	3,872	4,244	..	..	..	..	

Budget Estimate of Minor Works of the

Number of items.	Sanctions.		Particulars.	Amount of estimate.		
	Number.	Date.		Cash outlay in India.	Value of stores.	Total expenditure.
				Rs.	Rs.	Rs.
			Carriage and Wagon Department.			
..	C.E. No. 291 ..	26th Jan. 1899.	Converting 76 existing single Bolster timber trucks into 38 twin timber trucks.	684	836	1,520
			UNSANCTIONED WORKS.			
			Engineering Department.			
			Stations and Buildings.			
			Arkonam.			
1	..	..	Travelling Auditor's bungalow at Arkonam.	2,516	1,944	4,460
			Mailpatti.			
2	..	..	Deepening and enlarging well and providing a hand pump at Mailpatti.	1,455	780	2,235
			Bowringpet.			
3	..	..	Re-arrangement of signals at Bowringpet.	1,147	2,170	3,317
4	..	..	Open shed, 100 feet, on goods platform at Bowringpet.	1,496	3,070	4,566
5	..	..	One house for native drivers at Bowringpet.	485	616	1,101
			Erode.			
6	..	..	Carriage dock and mixed gauge sidings at Erode.	230	1,089	1,319
			Renigunta.			
7	..	..	Watering arrangement to be improved at Thocock.	3,052	..	3,052
			Nandalur.			
8	..	..	Carriage Examiner's house at Nandalur..	1,767	826	2,593
9	..	..	Two houses for signallers at Nandalur ..	2,614	1,267	3,881
10	..	..	Proposed diversion of stream at 241 mile, North-West Line.	2,851	..	2,851
			Adoni.			
11	..	..	Alterations and additions to sidings at Adoni.	167	1,192	1,359
			Total, Engineering Department carried to Schedule B.	17,780	12,954	30,734

Madras Railway for the official year 1899–1900—*cont.*

Actual expenditure up to close of official year 1897–98.			Probable expenditure during 1898–99.			Budget estimate of expenditure for official year 1899–1900.			Estimated expenditure in future years.	Remarks.
Cash outlay in India.	Value of stores.	Total.	Cash outlay in India.	Value of stores.	Total.	Cash outlay in India.	Value of stores.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
..	..	..	..	45	45	684	791	1,475	..	
..	..	..	..	..	..	2,516	1,944	4,460	..	
..	..	..	..	..	..	1,455	780	2,235	..	
..	..	..	..	..	..	1,147	2,170	3,317	..	
..	..	..	..	..	..	1,496	3,070	4,566	..	
..	..	..	..	..	..	485	616	1,101	..	
..	..	..	..	..	..	230	1,089	1,319	..	
..	..	..	..	..	..	3,052	..	3,052	..	
..	..	..	..	..	..	1,767	826	2,593	..	
..	..	..	..	..	..	2,614	1,267	3,881	..	
..	..	..	..	..	..	2,851	..	2,851	..	
..	..	..	..	..	..	167	1,192	1,359	..	
..	..	..	..	..	..	17,780	12,954	30,734	..	

SCHEDULE D OR CONSTRUCTION WORKS—PART IV.

BUDGET Estimate of Emergent Works of the Madras Railway for the official year 1899–1900—*Nil.*

REVISED and Budget Estimates of Stores Transactions on the Madras Railway for 1898–99 and 1899–1900.

MEMORANDUM.

The budget estimate contemplates total expenditure of Rs. 24,33,064 as under—

Cash outlay on stores	Rs.	15,41,064
Expenditure in England including exchange	„	8,92,000
	„	24,33,064

and is provided for as follows:—

Credits for stores issues to Capital works ...	Rs.	11,62,352
Credit for stores issues to Revenue ...	„	22,00,000
Transfers and sales		
	„	33,62,352
Balance being net Capital Grant required ...	„	**9,29,288**

MADRAS RAILWAY.

DETAILS OF THE ESTIMATED TRANSACTIONS UNDER THE HEAD "STORES."

REVISED Estimate for 1898–99 and Budget Estimate, 1899–1900.

Particulars of Debits.		Revised estimate, 1898–99.	Budget estimate, 1899–1900.
Balance at commencement of the year ...	Rs.	25,01,619	22,88,238
Debits during the year—			
Local purchases—			
Firewood	„	3,73,000	3,53,000
Oil of sorts	„	1,20,000	1,32,200
Cotton, waste, &c.	„	8,000	8,750
Coal, Indian	„	5,12,000	5,20,000
Coke, „	„	13,000	16,250
Wooden sleepers	„	22,000	20,000
„ keys	„	13,000	14,500
Timber of all kinds	„	62,000	54,000
Materials for tarpaulins	„	3,000	4,000
Freight and landing charges	„	88,000	81,000
Printing and stationery	„	48,000	44,500
Miscellaneous stores	„	1,66,408	1,52,864
Total ...	„	14,28,408	14,01,064
London stores—			
(For Revenue and Capital)—			
Coke	„	36,000	...
Patent fuel	„	30,000	...
Tyres, engine and tender	„	26,010	5,000
„ „ carriage ...	„	9,717	5,000
Wheels and axles, carriage	„	...	...
„ engine	„	14,800	...
Machinery and tools	„	4,504	232
Iron and steel	„	32,049	7,000
Copper and brass	„	83,426	10,000
Materials for construction and renewal of rolling-stock	„	1,48,674	1,13,000
Automatic vacuum brake-gear	„	48,000	...
Locomotive engines	„	52,000	1,54,000
Bridge materials	„	6,451	1,58,000
Permanent-way materials	„	3,37,549	3,26,000
Materials for tarpaulins	„	7,000	7,000
Telegraph stores	„	8,092	13,700
Sundry stores	„	51,728	93,068
Total ...	„	8,96,000	8,92,000

		Revised estimate, 1898–99.	Budget estimate, 1899–1900.
Particulars of Debits—cont.			
Manufactures—			
Workshop manufacture—			
Works in progress	Rs.	2,12,000	1,40,000
New works			
Total debits during the year ...	„	25,36,408	24,33,064
Grand Total ...	„	50,38,027	47,21,302
Particulars of Credits.			
Credits during the year—			
Issues to Capital Works—			
Preliminary expenses			
Formation			
Bridge-work			
Fencing			
Ballast and permanent-way	Rs.	2,99,789	11,62,352
Stations and buildings			
Plant			
Ferries, &c.			
Rolling-stock			
General charges			
	„	2,99,789	11,62,352
Issues to Revenue	„	24,50,000	22,00,000
Transfers and sales			
Total credits during the year ...	„	27,49,789	33,62,352
Balance expected at the close of the year ...	„	22,88,238	13,58,950
Grand Total ...	„	50,38,027	47,21,302
Net debit or credit to stores transactions being capital grant required ...	Rs.	**Cr. 2,13,381**	**Cr. 9,29,288**

APPENDIX A.

STATEMENT showing details of the sum set aside for expenditure in England on the Madras Railway during 1899–1900.

Probable amount of outstanding indents of the previous year.	Rs.	3,00,000
Probable amount of indents to be sent Home for compliance during the year	„	13,43,000
Establishment charges, &c., payable in England	„	1,05,000
	„	17,48,000
Deduct—Probable amount of outstanding indents at the close of the year	„	7,51,000
Estimated net capital outlay in England ...	„	9,97,000

Schedule F.

Estimate of Traffic Receipts of the Madras Railway, 1899–1900.

Number of miles open for traffic on 1st April 1898	840
Expected to be opened during 1898–99	...
Total on 1st April 1899 ...	840
Expected to be opened during 1899–1900	4
Total likely to be opened at end of 1899–1900	844
Average number of miles expected to be opened during the whole of 1899–1900	844

—	Actuals in 1897–98.	Budget estimate, 1898–99.	Revised estimate, 1898–99.	Budget estimate, 1899–1900.
	Rs.	Rs.	Rs.	Rs.
Coaching traffic	44,90,323	46,00,000	38,25,000	42,00,000
Goods ,, ...	66,56,408	62,00,000	62,18,000	65,22,000
Electric Telegraph earnings... ...	19,703	20,000	17,000	18,000
Sundries	2,21,867	1,80,000	1,90,000	1,60,000
Total ...	1,13,88,301	1,10,00,000	1,02,50,000	1,09,00,000
Train mileage	2,592,870	2,500,000	2,500,000	2,500,000

Schedule G.

Estimate of Revenue Expenditure on the Madras Railway for the official year 1899–1900.

—	Actuals in 1897–98.	Budget estimate, 1898–99.	Revised estimate, 1898–99.	Budget estimate, 1899–1900.
Maintenance of Way, Works and Stations.	Rs.	Rs.	Rs.	Rs.
1. General superintendence	2,38,790	2,50,000	2,50,000	2,41,000
2. Maintenance and renewal of permanent-way	5,65,466	5,00,000	5,00,000	4,83,000
3. Repairs of bridges, wages and materials ...	1,06,239	1,95,000	1,60,000	1,94,000
3A. Conservancy of rivers	...	...	...	...
4. Repairs of stations and buildings, wages and materials	1,40,592	1,60,000	1,50,000	1,45,500
5. Maintenance by contract	..	...	...	...
6. New minor works	22,567	20,000	22,500	22,500
7. Unclassified expenditure	1,96,048	2,00,000	1,92,500	1,94,000
Total ...	12,69,702	13,25,000	12,75,000	12,80,000
Deduct sum chargeable to Fire Insurance Fund	7	...	...	...
	12,69,695	13,25,000	12,75,000	12,80,000
Deduct cost of working Kolar Gold Fields Railway	28,452	25,000	23,000	23,000
Net Total ..	12,41,243	13,00,000	12,52,000	12,57,000
Locomotive Expenses.				
1. General superintendence	1,32,578	1,39,000	1,45,000	1,43,000
2. Running expenses (wages connected with the working of locomotive engines) ...	3,52,971	3,50,000	3,57,000	3,58,000
3. Fuel	9,07,593	8,80,000	9,13,000	8,95,000
4. Water (including wages and stores) ...	36,533	35,000	37,000	37,000
5. Oil, tallow and other stores, &c. (expended on engines in work)	54,106	48,000	57,000	57,000
6. Maintenance and renewals of locomotive engines	5,18,800	5,23,000	4,60,000	5,04,000
6A. Maintenance and renewals of machinery, tools and plant	16,232	15,000	16,000	16,000
7. New minor works	...	3,000	3,000	3,000
8. Payments to other lines	..	...	...	...
9. Unclassified expenditure	1,66,818	1,60,000	1,20,000	1,59,500
Total ...	21,85,631	21,53,000	21,08,000	21,72,500
Deduct sum chargeable to Fire Insurance Fund	...	...	500	...
	21,85,631	21,53,000	21,07,500	21,72,500
Deduct cost of working Kolar Gold Fields Railway	40,439	40,000	37,000	39,000
Deduct cost of working Madras-Ennur line	11,797	13,000	8,500	11,500
Deduct cost of working Nilgiri Railway ...	...	..	...	36,000
Total deduction ...	52,236	53,000	45,500	86,500
Net Total ...	21,33,395	21,00,000	20,62,000	20,86,000

Estimate of Revenue Expenditure on the Madras Railway for the official year 1899–1900—*cont.*

—	Actuals in 1897–98.	Budget estimate, 1898–99.	Revised estimate, 1898–99.	Budget estimate, 1899–1900.
Carriage and Wagon Expenses.	RS.	RS.	RS.	RS.
1. General superintendence	40,175	41,500	38,000	36,000
2. Repairs and renewals of vehicles	4,44,459	4,12,000	2,90,000	2,90,000
2A. Do. do. of machinery, tools and plant	12,929	10,000	10,000	12,000
3. Cleaning carriages and wagons and oiling.	74,897	58,000	76,000	75,500
4. New minor works	...	...	...	...
5. Unclassified expenditure	47,967	42,000	37,000	37,000
Total ...	6,20,427	5,63,500	4,51,000	4,50,500
Deduct sum chargeable to Fire Insurance Fund	...	...	...	...
	6,20,427	5,63,500	4,51,000	4,50,500
Deduct cost of working Kolar Gold Fields Railway	11,638	10,000	8,000	8,000
Deduct cost of working Madras-Ennur line.	3,344	3,500	2,000	2,000
Deduct cost of working Nilgiri Railway.	...	...	...	7,500
Total deductions ...	14,982	13,500	10,000	17,500
Net Total ...	6,05,445	5,50,000	4,41,000	4,33,000
Traffic Expenses.				
1. Salaries and wages	6,59,908	6,63,000	6,68,000	6,55,000
2. Fuel, lighting, water and general stores ...	80,837	80,000	78,000	77,500
3. Clothing	11,661	13,000	12,500	11,500
4. Printing, stationery and tickets	70,828	72,000	72,000	73,500
5. Charges for delivery and collection of goods	2,318	2,500	2,500	2,500
6. Miscellaneous expenses	5,835	5,500	5,500	5,500
7. Payments to other lines	14,932	15,000	15,000	15,000
8. Unclassified expenditure	9,842	17,000	18,000	18,000
	8,56,161	8,68,000	8,71,500	8,58,500
Deduct sum chargeable to Fire Insurance Fund	272	200	...	...
	8,55,889	8,67,800	8,71,500	8,58,500
Deduct cost of working Kolar Gold Fields Railway	15,121	13,000	15,000	15,000
Deduct cost of working Madras-Ennur line.	4,598	4,800	3,500	5,000
Deduct cost of working Nilgiri Railway.	...	...	...	14,500
Total deductions ...	19,719	17,800	18,500	34,500
Net Total ...	8,36,170	8,50,000	8,53,000	8,24,000
General Charges.				
1. Home expenditure	84,796	75,000	75,000	73,000
2. Salaries of Indian management including offices	2,83,941	2,90,000	2,86,000	2,86,000

Estimate of Revenue Expenditure on the Madras Railway for the official year 1899–1900 —*cont.*

—	Actuals in 1897–98.	Budget estimate, 1898–99.	Revised estimate, 1898–99.	Budget estimate, 1899–1900.
General Charges—cont.	RS.	RS.	RS.	RS.
3. Police	37,986	38,500	39,000	38,000
4. Advertising (all advertisements of all departments)	6,338	5,500	6,000	6,000
5. Electric telegraph	1,42,347	1,60,000	1,53,500	1,63,000
6. Clearing accounts with other lines ...	...	...	...	...
7. Unclassified expenditure	51,585	54,500	50,000	48,500
Total ...	6,06,993	6,23,500	6,09,500	6,14,500
Deduct sum chargeable to Fire Insurance Fund	11,873	5,000	6,000	6,000
	5,95,120	6,18,500	6,03,500	6,08,500
Deduct cost of working Kolar Gold Fields Railway	10,604	10,000	11,000	11,000
Deduct cost of working Madras-Ennur line	3,236	3,500	2,500	3,500
Deduct cost of working Nilgiri Railway.	...	...	...	10,000
Total deductions ...	13,840	13,500	13,500	24,500
Net Total ...	5,81,280	6,05,000	5,90,000	5,84,000
Special and Miscellaneous Expenditure.				
1. Law charges	2,031	3,000	3,000	3,000
2. Compensation	3,502	2,000	6,000	3,000
3. Rates and taxes (including municipal water-rates)	23,143	24,000	24,000	23,000
4. Payments to other lines	38	6,000	1,000	4,450
5. Prizes for station gardens, &c.	443	1,000	1,000	1,000
6. Contribution to Railway Provident Institution	41,561	42,000	55,750	72,000
7. Miscellaneous	40,847	19,000	14,000	14,000
Total ..	1,11,565	97,000	1,04,750	1,20,450
Deduct sum chargeable to Fire Insurance Fund	799	...	...	...
	1,10,766	97,000	1,04,750	1,20,450
Deduct cost of working Kolar Gold Fields Railway	1,878	1,400	2,000	2,000
Deduct cost of working Madras-Ennur line.	589	600	750	450
Deduct cost of working Nilgiri Railway.	...	...	...	2,000
Total deductions ...	2,467	2,000	2,750	4,450
Net Total ...	1,08,299	95,000	1,02,000	1,16,000

A. EDWARDS,
for Agent and Manager.

F. DUNSTERVILLE,
Chief Auditor.

F. G. HEAVEN,
Examiner of Railway Accounts.

MADRAS,
10th May 1899.

No. 657 Ry., 10th May 1899.

PUBLIC WORKS DEPARTMENT.

Railway.

LETTER—from

FRANCIS J. E. SPRING, ESQ., C.I.E.,
Joint Secretary to the Government of Madras,
Public Works Department,
Railway Branch,

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,
PUBLIC WORKS DEPARTMENT.

SIR,

With reference to Government of India resolution No. $\frac{6}{B.O.}$ A.R., dated 21st March 1899, I am directed to forward, herewith, the Final Issue of the Capital and Revenue Revised and Budget Estimates of the Madras Railway for the years 1898–99 and 1899–1900.

2. With reference to your telegram No. 74 A.R., dated 18th April 1899, I am to state that the outlay in England has been reduced to Rs. 9,97,000 which is based on the latest estimate of the Board, viz., £91,392, and the outlay in India has been correspondingly increased, so that the net outlay works out to the amount sanctioned by the Government of India.

I have the honour to be,
Sir,
Your most obedient servant,

Joint Secretary.

OOTACAMUND,
May 1899.

Exd. T. K. Narayana Aiyangar.

RAILWAY.

Government {1899} of Madras.

PUBLIC WORKS.

Recd. } 1899. *Enclosures*

Regd. *Spare copies*

Letter, No. 651 Ry., 16th May 1899.

MAY.

(No. I.)

No. 10352

537

MADRAS RAILWAY.

AGENT AND MANAGER'S OFFICE,

Madras, 11th May 1899

RECEIVED 12 MAY 1899 CONSULTING ENGINEER FOR RAILWAYS MADRAS

G. No. 2452-I. Recd. 12th May 99 Enc 1

From

The Agent and Manager.
S.M.R. Co

To

The Consulting Engineer for Railways.
Madras.

SIR,

With reference to your Telephone message dated 28th April 1899, I have the honour to forward herewith the Final Issue of the Madras Railway Budget Estimate for 1899-1900.

I have the honour to be,
Sir,
Your most obedient servant,

Agent & Manager.

(1 Enclo.)

Form No. 33.

396—30-6-98.

OFFICE OF THE CONSULTING ENGINEER FOR RAILWAYS,

Madras, 12th May 1899.

JWR 12/5/1

EXAMINER OF ACCOUNTS
Regr. No. 273
12 MAY 1899
Enclosures
RAILWAY ACCOUNTS, M

No 1571

OFFICE NOTE.

Letter from the Agent, Madras Railway, No 10352/537, dated 11th May 1899, forwarded to the Examiner of Railway Accounts, for favor of remarks.

12.5.99 for E. R.

Letter

EXAMINER'S REPLY.

(1) The Budget and the revised Estimates have been correctly prepared and may be approved & forwarded to the Govt of India.

(2) with reference to Govt of India telegram No 74 S56 A.L. 5/18.4.99, outlay in England has been reduced to £99,000 which is based on the latest estimate of the Board viz £91,392, and the outlay in India has been correspondingly increased, so that the net outlay works out to the amounts sanctioned by the Govt of India.

(3) The Agent & manager should be asked

asked to obtain the Sanction of his Board to the works costing more than Rs 25.000 included in Schedule B of the Budget.

(4) Sch H. The number of miles open for traffic has been altered to 844, the increase of 4 miles in 1899-1900 being the length of the A.R. Branch which was opened on the 17th april 99.

JGW 16/5/99

6-R. 16-5-99

Form No. 1.

PUBLIC WORKS DEPARTMENT,

RAILWAY BRANCH.

Papers to be read in Proceedings:—

Again G.O., dated 189 , No.

Again G.O., dated 189 , No.

E/C Current No: 2451 of 1899, dated 12-5-99, from PH

" " " 189 , " " "

" " " 189 , " " "

ORDER.

To The Agent & Manager M.R.
" Secretary, G.o.I. P.W.D. (Railway Branch)
" Comptr: Engr: for Rys

Ordered that the Financial Capital & Revenue Open of the proposed and Completed estimates of the Madras R.ys for the years 1898-99 and 1899-1900 be forwarded to the Govt of India.

R.E. No: 651. Rd 10th June 1899.

To

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

Sir,

With reference to Govt of India Resolution No: 6 R.R. dated 21st April 1899, I am directed to forward herewith the Financial Capital & Revenue Open of the proposed and Completed estimates of the M.R. for the years 1898-99 and 1899-1900

1676/98

Two drafts

2. Under the authority of
~~With reference to your~~
Telegram N= 74 A.R. of 18th April 1899 I am to state that the outlay in England has been reduced to Rs 997,000 which is based on the latest estimate of the Board viz £ 91392 and the outlay in India has been correspondingly increased, so that the net outlay remains as to the amount sanctioned by the Govt of India.

S N= 58

Despatched on 16/6/99

R
16.6.99.

ac dft 16/6/99