Public Works (1898) Department.

Railway Branch

G.O., No. 51-2.R

DATED 10th Jany 1898.

[Despatch Abstract.]

Budget Estimates

Ordered that the Preliminary issue of the revised and — of the Madras Railway (Capital and Revenue) for the years 1897-98 & 1898-99, together with a note by the Examiner, Guaranteed Railway Accounts, Madras, be forwarded to the Govt of India.

Forwarding the Preliminary issue of the revised and — of the Madras Railway (Capital and Revenue) for the years 1897-98 & 1898-99, together with a note by the Examiner, Guaranteed Railway Accounts, Madras, be forwarded to the Govt. of India.

P.W. 98.
(1/V—97/11-97.)

Indexed 17/1/98.

BACK PAPERS.

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

FURTHER PAPERS.

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

RAILWAY.

Government {1898} of Madras.

PUBLIC WORKS.

Recd. } 1898. *Enclosures*

Regd. } *Spare copies*

G.O., No. 51 R., 10th January 1898.

JANUARY.

Budget Estimates

Ordered that the Preliminary issue of the revised and — of the Madras Railway (Capital and Revenue) for the years 1897–98 and 1898–99, together with a note by the Examiner, Guaranteed Railway Accounts, Madras, 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, dated 21st December 1897, No. 1167.

ORDER—No. 51 R., dated 10th January 1897.

Ordered that the Preliminary Issue of the Revised and Budget Estimates of the Madras Railway (Capital and Revenue) for the years 1897–98 and 1898–99, together with a note thereon by the Examiner of Railway Accounts, Madras, be forwarded to the Government of India.

[Here enter No. 52 R., dated 10th January 1898.]

(True Extract.)

F. J. E. SPRING,
Joint Secy. to Govt.,
Railway Branch.

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

Exd. T. K. Narayana Aiyangar.

PRELIMINARY ISSUE.

BUDGET ESTIMATE

OF THE

MADRAS RAILWAY

FOR THE YEAR

1898-99.

CAPITAL ACCOUNT.

ABSTRACT of the ESTIMATED CASH EXPENDITURE on the MADRAS RAILWAY for the official year 1898–99.

Particulars.	Actuals for 1896–97.	Budget estimate for 1897–98.	Revised estimate for 1897–98.	Budget estimate for 1898–99.
INDIAN.	RS.	RS.	RS.	RS.
CAPITAL OUTLAY.				
Engineering Department.				
Sanctioned works as per schedule A		1,36,752	1,81,550	93,443
Works to be sanctioned do. B		3,73,074	5,835	3,81,604
Emergent works do. D		...	...	...
Locomotive Department.				
Sanctioned works as per schedule A	1,59,144	2,028	7,917	3,840
Works to be sanctioned do. B		4,296	...	400
Carriage and Wagon Department.				
Sanctioned works as per schedule A		21,380	30,630	85,396
Works to be sanctioned do. B		61,963	...	82,900
General.				
Establishment	...	...	...	...
Stores as per schedule E	20,62,095	18,97,507	19,20,000	20,14,100
Miscellaneous	3,235	5,000	5,000	5,000
Suspense miscellaneous	18,758	2,20,000	1,50,000	1,50,000
Increase or decrease of balance of Capital Advance Account	9,400	...	...	...
Total, Withdrawals on Capital Account	22,52,632	27,25,000	23,00,932	28,16,683
Receipts to be credited to Capital Account.				
Share capital paid in India	...	...	...	...
Refunds for stores sold to Revenue, &c.	24,62,045	25,00,000	25,00,000	25,00,000
Other refunds—				
Home expenditure, &c.	1,21,165	2,00,000	3,00,000	3,00,000
Total, Payments on Capital Account	25,83,210	27,00,000	28,00,000	28,00,000
Net cash demand in India on Capital Account	**3,30,578**	25,000	**4,99,068**	16,683
ENGLAND.				
Purchase of Stores.				
Indents to be sent home during the year	...	9,38,000	15,70,000	7,39,000
Previous indents to be complied with	...	3,52,023	4,09,000	6,28,000
Total	...	12,90,023	19,79,000	13,67,000
Deduct for indents estimated to be complied with in the following year	...	2,07,205	6,28,000	4,87,000
Total, Outlay for Stores	7,31,524	10,82,818	13,51,000	8,80,000
Home Expenditure and Payments.				
Home expenditure	84,833	79,636	81,818	81,818
Furlough and sick leave allowances		4,364	8,727	10,909
Family and sundry payments less receipts		26,182	13,091	10,909
Total, Home Expenditure and Payments	84,833	1,10,182	1,03,636	1,03,636
Total, Cash Demand in England	8,16,357	11,93,000	14,54,636	9,83,636

REVENUE ACCOUNT.

ABSTRACT of ESTIMATED REVENUE RECEIPTS and EXPENDITURE of the MADRAS RAILWAY for the official year 1898–99.

Particulars.	Actuals for 1896–97.	Budget estimate for 1897–98.	Revised estimate for 1897–98.	Budget estimate for 1898–99.
RECEIPTS AS PER SCHEDULE F.	RS.	RS.	RS.	RS.
Coaching traffic	45,46,792	46,00,000	46,00,000	46,00,000
Goods do.	62,66,154	61,20,000	65,00,000	62,00,000
Electric Telegraph earnings	20,194	20,000	20,000	20,000
Sundries	1,92,687	1,60,000	1,60,000	1,60,000
Total (1)	1,10,25,827	1,09,00,000	1,12,80,000	1,09,80,000
Receipts on account of traffic appertaining to other lines	15,64,749	16,00,000	16,00,000	16,00,000
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)	1,25,90,576	1,25,00,000	1,28,80,000	1,25,80,000
EXPENDITURE AS PER SCHEDULE G.				
Maintenance of way, works and stations	12,18,591	13,31,100	12,60,000	13,07,000
Locomotive expenses	20,88,417	20,87,400	21,59,978	21,21,260
Carriage and wagon expenses	6,53,029	6,37,900	6,04,091	5,73,000
Traffic expenses	8,52,204	8,37,500	8,54,000	8,60,000
General charges	5,79,018	6,08,400	6,04,500	6,15,500
Special and miscellaneous expenditure	86,139	97,700	97,700	97,700
Total (3)	55,07,398	56,00,000	55,80,269	55,74,460
Payments to other lines of their proportion of through traffic, &c.	15,92,501	16,00,000	16,00,000	16,00,000
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)	70,99,899	72,00,000	71,80,269	71,74,460
Net earnings (1)—(3)	55,18,429	53,00,000	56,99,731	54,05,540
Net receipts (2)—(4)	54,90,677	53,00,000	56,99,731	54,05,540
Surplus profits, Company's share	...	...	91,500	1,00,000
Contribution to Provident institution	...	...	10,500	11,000

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SCHEDULE A OR CONSTRUCTION

WORKS—PART I.

BUDGET Estimate of Sanctioned Works of the

Madras Railway for the official year 1898–99.

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 1896–97. Cash outlay in India.	Actual expenditure up to close of official year 1896–97. Value of stores.	Actual expenditure up to close of official year 1896–97. Total.	Probable expenditure during 1897–98. Cash outlay in India.	Probable expenditure during 1897–98. Value of stores.	Probable expenditure during 1897–98. Total.	Budget estimate of expenditure for official year 1898–99. Cash outlay in India.	Budget estimate of expenditure for official year 1898–99. Value of stores.	Budget estimate of expenditure for official year 1898–99. Total.	Estimated expenditure in future years.	Remarks.
			ENGINEERING DEPARTMENT.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	
			Bridgework.														
1	G.O., No. 132 R. M.O.M. ..	17th Feb. 1896. 29th Oct. 1897.	Converting the 30-feet arch bridge at 168/10 miles, Bangalore branch, into a girder opening.	5,450	2,379	7,829	391	1,212	1,603	5,059	1,167	6,226	..	..	..	..	
2	G.O., No. 336 R.	11th May ,,	Restoration of bridge, &c., at 95/2-3 miles, North-west line.	7,463	209	7,672	..	..	..	7,901	314	8,215	..	..	..	..	
3	G.O., No. 834 R.	16th Oct. ,,	Diversion of the Kodur river at 107/10-11 miles, North-west line.	19,427	..	19,427	..	..	..	5,000	..	5,000	14,427	..	14,427	..	
			Stations and Buildings.														
			Ráyapuram.														
4	G.O., No. 728 R.	24th Sept. 1897.	Alterations of sidings, &c, at Ráyapuram.	866	4,921	5,787	..	..	..	700	4,000	4,700	166	921	1,087	..	
			Washermanpet.														
5	G.O., No. 56 R.	26th Jan. 1897.	Extension of the through siding for the Ennur line at Washermanpet.	3,187	3,348	6,535	490	..	490	2,697	3,348	6,045	..	..	..	..	
			Central Station.														
6	G.O., No. 503 R.	26th July 1897.	Carriage examining pits at Central station.	4,484	2,051	6,535	..	..	..	3,000	2,000	5,000	1,484	51	1,535	..	
7	G.O., No. 623 R.	20th Sept. ,,	Foot over-bridge at Elephant gate level crossing.	1,728	4,672	6,400	..	..	..	728	3,000	3,728	1,000	1,672	2,672	..	One-half of the cost will be borne by the Madras Municipality.
			Perambúr Works.														
8	G.O., No. 564 R. M.O.M. ..	16th Aug. 1897. 29th Oct. ,,	Bungalow for the use of the First Assistant Locomotive Superintendent at Perambúr.	8,513	1,087	9,600	3,779	583	4,362	4,734	504	5,238	..	..	..	..	
9	G.I. No. 104 R.C. G.O., No. 117 R.	27th Jan. 1896. 13th Feb. ,,	Extension of the erecting shed, Foreman's office and tool stores at Perambúr Works.	20,211	17,335	37,546	7,533	7,982	15,515	4,000	8,000	12,000	8,678	1,353	10,031	..	
10	G.O., No. 421 R. M.O.M. .. M.O.M. ..	4th May ,, 29th Sept. 1897. 29th Oct. ,,	Additional shed for stabling of His Excellency the Governor's saloons at Perambúr Works.	* 962	* 4,175	5,137	612	2,078	2,690	350	700	1,050	..	..	..	..	
			Tiruvallúr.														
11	G.O., No. 434 R. M.O.M. ..	13th May 1896. 29th Sept. 1897.	Alterations and additions to the station-house at Tiruvallúr.	5,211	2,031	7,242	4,139	2,468	6,607	760	Cr. 438	322	..	..	..	..	
			Jálárpet.														
12	G.O., No. 4 R.	4th Jan. 1897.	Additional water-supply at Jálárpet ..	6,572	4,322	10,894	..	91	91	6,572	4,231	10,803	..	..	..	..	
13	G.O., No. 23 R. M.O.M. .. M.O.M. ..	9th ,, 1896. 2nd Dec. ,, 29th Oct. 1897.	Converting the Assistant Traffic Manager's bungalow into an Institute at Jálárpet.	2,027	4,446	6,473	271	1,653	1,924	1,756	2,793	4,549	..	..	..	..	
14	G.O., No. 899 R. M.O.M. ..	24th Dec. 1895. 29th Oct. 1897.	Assistant Traffic Manager's bungalow at Jálárpet.	6,045	4,496	10,541	6,045	4,668	10,713	..	Cr. 172	Cr. 172	..	..	..	..	
			Bowringpet.														
15	C.E. No. 3211. G.O., No. 950 R.	12th Oct. 1896. 11th Nov. 1897.	Proposed foot bridge at Bowringpet ..	853	5,147	6,000	..	3,177	3,177	853	1,970	2,823	..	..	..	..	
			Whitefield (Watering Station).														
16	G.O., No. 964 R. M.O.M. ..	14th Nov. 1896. 29th Sept. 1897.	Water from nullah at 203/14 miles, Bangalore branch.	3,105	14,873	17,978	..	..	..	3,105	14,873	17,978	..	..	..	..	

* The alteration is due to a re-allocation which has been approved of but not recorded being under Rs. 500.

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.			
			Bangalore City.			
17	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.	30th Jan. 1894. 6th Feb. ,, 30th Sept. 1895. 30th ,, 1896. 8th ,, ,, 4th Dec. ,, 14th ,, ,,	Alterations and additions to station-house, platform, &c., at Bangalore City.	2,19,939	1,74,413	3,94,352
18	C.E. No. 3326. M.O.M. ..	21st Oct. 1895. 26th May 1893.	Purchasing Locomotive Foreman's bungalow at Bangalore City.	10,000	..	10,000
			Pódanúr.			
19	G.O., No. 1063 R.	19th Dec. 1896.	Proposed Institute at Pódanúr	3,812	3,270	7,082
			Méttupálaiyam.			
20	G.O., No. 2675 R. C.E. No. 1062. M.O.M. .. M.O.M. ..	11th Nov. 1892. 5th Dec. ,, 24th Jan. 1896. 29th Jan. 1897.	Alterations and additions in connection with the junction of the Nilgiri Railway with the Madras Railway at Méttupálaiyam.	14,972	7,791	22,763
			Ponpadi.			
21	G.O., No. 416 R.	25th June 1897.	Station house, &c., at Ponpadi	5,362	4,095	9,457
			Nagari.			
22	G.O., No. 522 R. M.O.M. .. M.O.M. ..	15th Aug. 1895. 29th Sept. 1897. 29th Oct. ,,	Interlocking points and signals at Nagari.	830	8,462	9,292
			Nandalúr.			
23	G.I. No. 21 R.C. G.O., No. 46 R. M.O.M. ..	7th Jan. 1896. 15th ,, ,, 29th Sept. 1897.	Conversion of Nandalúr into an engine-changing station.	27,113	16,576	43,689
24	G.O., No. 925 R. M.O.M. ..	27th Oct. 1896. 5th Aug. 1897.	Watering arrangements at Nandalúr ..	4,299	4,867	9,166
			Kalamala.			
25	G.O., No. 419 R.	19th June 1897.	Proposed station house at Kalamala ..	7,121	5,387	12,508
			Gooty.			
26	G.O., No. 849 R. M.O.M. ..	8th Oct. 1896. 29th Oct. 1897.	Double bungalow for European and East Indian drivers at Gooty.	5,141	1,537	6,678
27	G.O., No. 405 R.	15th June ,,	Locomotive workshops; alteration of locomotive sidings and new 50 feet engine turn-table in lieu of the existing 40 feet one at Gooty.	1,863	6,680	8,543
28	G.O., No. 48 R.	23rd Jan. 1897.	Assistant Engineer's bungalow at Gooty.	6,169	4,257	10,426
29	G.O., No. 754 R. M.O.M ..	7th Sept. 1896. 26th Aug. 1897.	Nineteen houses for the use of the subordinate staff (Traffic Department), South-west line.	3,470	1,736	5,206
30	G.O., No. 694 R. M.O.M. .. M.O.M. ..	19th Oct. 1895. 25th June 1897. 29th Oct. ,,	Altering the distant signals on the Madras Railway.	..	5,480	5,480

Madras Railway for the official year 1898–99—*cont.*

Actual expenditure up to close of official year 1896–97. Cash outlay in India.	Value of stores.	Total.	Probable expenditure during 1897–98. Cash outlay in India.	Value of stores.	Total.	Budget estimate of expenditure for official year 1898–99. Cash outlay in India.	Value of stores.	Total.	Estimated expenditure in future years.	Remarks.
RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	
1,28,331	71,875	2,00,206	40,000	60,000	1,00,000	51,608	42,538	94,146	..	
..	..	..	10,000	..	10,000	..	..	..	..	
63	58	121	2,547	4,742	7,289	..	..	..	..	
12,646	6,956	19,602	4,945	..	4,945	..	..	..	..	
..	..	..	3,000	4,000	7,000	2,362	95	2,457	..	
261	7,649	7,910	569	813	1,382	..	..	..	..	
21,656	8,600	30,256	6,493	14,625	21,118	..	..	..	..	
1,190	1,087	2,277	3,109	3,780	6,889	..	..	..	..	
..	..	..	5,000	5,000	10,000	2,121	387	2,508	..	
3,592	1,189	4,781	1,549	348	1,897	..	..	..	..	
..	..	..	1,000	6000	7,000	863	680	1,543	..	
1,247	948	2,195	4,922	3,309	8,231	..	..	..	..	
3,022	1,372	4,394	20	67	87	..	..	..	..	
..	3,406	3,406	..	2,074	2,074	..	..	..	..	

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.			
			Gooty—*cont.*			
31	G.O., No. 208 R. M.O.M. ..	26th Mar. 1897. 26th Aug. ,,	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
			Electric Telegraph.			
32	G.O., No. 798 R. G.I. No. 649 R.C. M.O.M. ..	25th July 1889. 9th ,, ,, 5th Aug. 1897.	Revised estimate for the extension of the block system and the introduction of starting semaphore signals, &c., South-west and North-west lines including additional stations.	64,943	1,01,818	1,66,761
33	G.O., No. 111 R. M.O.M. ..	1st Feb. 1889. 26th ,, 1897.	Single needle instruments, batteries, &c., for trial or additional stations.	4,122	3,588	7,710
34	G.O., No. 429 R. M.O.M. ..	15th Aug. 1894. 5th ,, 1897.	Lighting the Arkonam station and yard by electricity (including Power House).	3,830	12,170	16,000
			Sanctioned minor works as per Schedule C.	55,016	51,483	1,06,499
			Total, Engineering Department ..	5,38,291	4,93,442	10,31,733
			LOCOMOTIVE DEPARTMENT.			
1	G.O., No. 804 R.	21st Sept. 1896.	Fitting automatic vacuum brake gear for ten engines.	3,996	10,624	14,620
2	G.O., No. 642 R. G.I. No. 302 R.S.	28th July ,, 13th ,, ,,	Do. do. do.	1,200	8,680	9,880
3	G.O., No. 14 R.	8th Jan. 1897.	Fitting automatic vacuum brake gear for four engines.	1,200	3,889	5,089
4	G.O., No. 361 R. G.I. No. 191 R.S.	20th May ,, 5th ,, ,,	Two new locomotive engines	3,300	32,618	35,918
5	G.O., No. 391 R. G.I. No. 213 R.S.	5th June ,, 22nd May ,,	Fitting automatic brake gear for six engines.	2,500	6,760	9,260
6	G.O., No. 650 R.	15th Sept. ,,	Do. do. do.	300	5,660	5,960
7	G.O., No. 445 R.	8th July ,,	One planing machine	180	6,090	6,270
			Total, Locomotive Department ..	12,676	74,321	86,997
			CARRIAGE AND WAGON DEPARTMENT.			
1	G.O., No. 102 R. G.I. No. 55 R.S.	13th Feb. 1897. 2nd ,, ,,	Fitting carriages with apparatus for gas lighting.	20,814	1,90,442	2,11,256
2	G.O., No. 361 R. G.I. No. 191 R.S.	20th May ,, 5th ,, ,,	Two composites bogie .. .. Seventeen third-class carriages .. Two third-class carriages with brakes .. Two ordinary brake vans ..	25,425	1,01,385	1,26,810
3	G.O., No. 804 R.	21st Sept. 1896.	Fitting automatic vacuum brake gear for fifty carriages.	6,421	18,986	25,407
4	G.O., No. 642 R. G.I. No. 302 R.S.	28th July ,, 13th ,, ,,	Do. do. do.	5,000	22,380	27,380
5	G.O., No. 136 R.	18th Feb. ,,	One bogie corridor composite carriage ..	5,300	14,200	19,500
6	G.O., No. 391 R. G.I. No. 213 R.S.	5th June 1897. 22nd May ,,	Fitting automatic vacuum brake gear for two hundred carriages.	25,684	85,507	1,11,191
7	G.O., No. 751 R. G.I. No. 1398 R.S.	30th Sept. ,, 26th Aug. ,,	Forty-six third-class carriages ..	31,510	1,64,473	1,95,983
8	G.O., No. 814 R. G.I. No. 395 R.S	13th Oct. ,, 4th ,, ,,	Five bogie composite carriages, 1st, 2nd and 3rd. Five bogie third-class carriages ..	35,850	1,14,150	1,50,000
			Total, Carriage and Wagon Department.	1,56,004	7,11,523	8,67,527
			Total, Schedule A ..	7,06,971	12,79,286	19,86,257

Madras Railway for the official year 1898-99—*cont.*

Actual expenditure up to close of official year 1896-97. Cash outlay in India.	Value of stores.	Total.	Probable expenditure during 1897-98. Cash outlay in India.	Value of stores.	Total.	Budget estimate of expenditure for official year 1898-99. Cash outlay in India.	Value of stores.	Total.	Estimated expenditure in future years.	Remarks.
RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	
..	..	..	2,600	3,000	5,000	2,185	1,340	3,525	..	
65,042	99,251	1,64,293	Cr. 642	274	Cr. 368	543	2,293	2,836	..	
1,645	1,794	3,439	400	100	500	2,077	1,694	3,771	..	
65	442	507	3,265	11,228	14,493	500	500	1,000	..	
10,282	9,202	19,484	46,158	42,778	88,936	5,429	..	5,429	..	
2,72,302	2,37,741	5,10,043	1,81,550	2,08,428	3,89,978	93,443	53,524	1,46,967	..	
916	8,105	9,021	3,080	2,519	5,599	..	..	..	..	
..	..	..	360	6,700	7,060	840	1,980	2,820	..	
3	..	3	697	1,889	2,586	500	2,000	2,500	..	
..	..	..	3,300	32,618	35,918	..	..	..	..	
..	..	..	..	..	..	2,500	6,760	9,260	..	
..	..	..	300	5,660	5,960	..	..	..	..	
..	..	..	180	6,090	6,270	..	..	..	..	
919	8,105	9,024	7,917	55,476	63,393	3,840	10,740	14,580	..	
19,245	1,21,013	1,40,258	700	40,000	40,700	869	29,429	30,298	..	
11,942	39,812	51,754	7,000	45,000	52,000	6,483	16,573	23,056	..	
1,498	9,956	11,454	620	13,333	13,953	..	..	..	..	Sanction for re-allocation will be applied for.
2,990	3,201	6,191	2,010	19,179	21,189	..	..	..	..	
..	..	..	5,300	14,200	19,500	..	..	..	..	
..	..	..	10,000	60,000	70,000	15,684	25,507	41,191	..	
..	..	..	5,000	30,000	35,000	26,510	1,34,473	1,60,983	..	
..	..	..	..	..	..	35,850	1,14,150	1,50,000	..	443/794 of the total cost of this stock to be recovered from Great Indian Peninsula Railway.
35,675	1,73,982	2,09,657	30,630	2,21,712	2,52,342	85,396	3,20,132	4,05,528	..	
3,08,896	4,19,828	7,28,724	2,20,097	4,85,616	7,05,713	1,82,679	3,84,396	5,67,075	..	

SCHEDULE B OR CONSRUCTION

BUDGET Estimate of Unsanctioned Works of the

WORKS—PART II.

Madras Railway for the official year 1898–99.

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 1896–97. Cash outlay in India.	Value of stores.	Total.	Probable expenditure during 1897–98. Cash outlay in India.	Value of stores.	Total.	Budget estimate of expenditure for official year 1898–99. 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.	
			Stations and Buildings.														
			Ráyapuram.														
1	..	..	Export and import sheds and sidings at Ráyapuram.	12,406	35,644	48,050	..	..	..	..	..	..	5,000	15,000	20,000	28,050	
2	..	..	Branch line and siding for harbour coal traffic at Ráyapuram.	5,156	18,672	23,828	..	..	..	..	..	..	5,000	10,000	15,000	8,828	
3	..	..	Madras Railway and South Indian Railway joint station and line within the limits of Ráyapuram yard.	55,675	51,376	1,07,051	..	..	..	..	..	..	20,000	15,000	35,000	72,051	
4	..	..	Verandah or window shaders on the north side of the ticket printing office, additional accommodation to Traffic Audit office and record-room at Ráyapuram.	6,467	3,849	10,316	..	..	..	..	..	..	6,467	3,849	10,316	..	
			Washermanpet.														
5	..	..	Branch line from Washermanpet to Salt Cotaurs.	71,734	30,289	1,02,023	..	..	..	..	..	..	30,000	20,000	50,000	52,023	
6	..	..	Junction station at Washermanpet and extension to Ráyapuram.	49,068	6,587	55,655	..	..	..	..	..	..	10,000	6,587	16,587	39,068	
			Salt Cotaurs.														
7	..	..	Junction arrangement at Salt Cotaurs in connection with East Coast Railway.	4,23,202	73,680	4,96,882	..	..	..	..	..	..	40,000	40,000	80,000	4,16,882	
8	..	..	Proposed boundary wall and raising ground at Salt Cotaurs.	7,568	262	7,830	..	..	..	..	..	..	7,568	262	7,830	..	
			Perambúr.														
9	..	..	Filling up side ditches at 3/13-20 miles South-west line.	5,996	..	5,996	..	..	..	..	..	..	5,996	..	5,996	..	
			Perambúr Works.														
10	..	..	Bungalow for Second Assistant Locomotive Superintendent at Perambúr Works.	4,329	2,871	7,200	..	..	..	..	..	..	4,329	2,871	7,200	..	
11	..	..	Bungalow for Medical officer at Perambúr.	5,601	3,999	9,600	..	..	..	..	..	..	5,601	3,999	9,600	..	
12	..	..	Raising boundary wall at Perambúr Works.	4,809	950	5,759	..	..	..	..	..	..	4,809	950	5,759	..	
13	..	..	Proposed extension of workshops at Perambúr Works.	3,31,626	2,73,508	6,05,134	..	..	..	..	..	..	30,000	50,000	80,000	5,25,134	
			Arkónam.														
14	..	..	Improvements and additions to the station yard at Arkónam.	54,286	37,260	91,546	..	..	..	..	..	..	10,000	20,000	30,000	61,546	
			Bangalore City.														
15	..	..	Fire houses for Eurasian joint clerks at Bangalore City.	13,445	2,980	16,425	..	..	..	..	..	..	13,445	2,980	16,425	..	
16	..	..	Proposed shed for making gas at Bangalore City.	8,732	7,434	16,166	..	..	..	..	..	..	8,732	7,434	16,166	..	
			Bisanatham.														
17	..	..	Station house, platform and native latrine.	4,003	2,338	6,341	..	..	..	1,000	2,000	3,000	3,003	338	3,341	..	
			Erode.														
18	..	..	Alteration to station house at Erode ..	4,473	4,467	8,940	..	..	..	..	..	..	4,473	4,467	8,940	..	
			Mangalam.														
19	..	..	Extension of goods godown and sidings at Mangalam.	1,282	5,074	6,356	..	..	..	..	..	..	1,282	5,074	6,356	..	
			Mettupalliyam.														
20	..	..	Watering arrangements at Mettupalliyam.	8,657	10,893	19,550	..	..	..	..	..	..	8,657	10,893	19,550	..	
			Kallayi.														
21	..	..	Additional dock crane and wagon turn table at Kallayi.	3,250	4,868	8,118	..	..	..	..	..	..	3,250	4,868	8,118	..	
			Nandalur.														
22	..	..	Twenty-two houses for subordinate staff at Nandalur.	6,731	2,775	9,506	..	..	..	..	..	..	6,731	2,775	9,506	..	
23	..	..	Apothecary's quarters and dispensary at Nandalur.	4,565	1,808	6,373	..	..	..	..	..	..	4,565	1,808	6,373	..	

Budget Estimate of Unsanctioned Works of the Madras Railway for the official year 1898–99—*cont.*

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 1896–97. Cash outlay in India.	Actual expenditure up to close of official year 1896–97. Value of stores.	Actual expenditure up to close of official year 1896–97. Total.	Probable expenditure during 1897–98. Cash outlay in India.	Probable expenditure during 1897–98. Value of stores.	Probable expenditure during 1897–98. Total.	Budget estimate of expenditure for official year 1898–99. Cash outlay in India.	Budget estimate of expenditure for official year 1898–99. Value of stores.	Budget estimate of expenditure for official year 1898–99. 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.														
			Yerragudipad.														
24	..	..	Station house, lay-bye, loading bank, native latrine, stationmasters' and porters' houses, &c., at Yerragudipad.	6,867	4,144	11,011	..	..	..	1,000	2,000	3,000	5,867	2,144	8,011	..	
			Gooty.														
25	..	..	Watering arrangements, bringing water by pipes from stream at 258/11 miles, North-west line.	2,375	7,892	10,267	..	..	..	..	..	..	2,375	7,892	10,267	..	
			Raichur.														
26	..	..	Alteration to station yard at Raichur ..	5,224	8,841	14,065	..	..	..	..	..	..	5,224	8,841	14,065	..	
27	..	..	Twenty-two houses for subordinate staff (Traffic Department)—thirteen at Bangalore city, six at Somanur, one at Edakolam and two at Urampad.	4,630	2,760	7,390	..	..	..	1,000	2,000	3,000	3,630	760	4,390	..	
			Miscellaneous.														
28	..	..	Two complete trial stations including lay-byes, loading banks, platforms, &c.	14,592	10,824	25,416	..	..	..	..	..	..	14,592	10,824	25,416	..	
29	..	..	Two crossing stations	4,888	15,648	20,536	..	..	..	..	..	..	4,888	15,648	20,536	..	
30	..	..	Four double bungalows for guards ..	17,008	5,744	22,752	..	..	..	..	..	..	17,008	5,744	22,752	..	
31	..	..	Six houses for Native stationmasters ..	4,398	2,442	6,840	..	..	..	..	..	..	4,398	2,442	6,840	..	
32	..	..	Twenty-five houses for subordinate staff (Traffic Department).	7,688	3,162	10,850	..	..	..	..	..	..	7,688	3,162	10,850	..	
33	..	..	Distant signals for six stations, South-west and North-west lines.	1,320	5,016	6,336	..	..	..	..	..	..	1,320	5016	6,336	..	
			Electric Telegraph.														
34	..	..	Proposed upper storey for Telegraph Engineer's office at Arkónam.	4,552	2,396	6,948	..	..	..	..	..	..	4,552	2,396	6,948	..	
35	..	..	Proposed additions to Telegraph Workshops at Arkónam.	8,164	2,893	11,057	..	..	..	..	..	..	8,164	2,893	11,057	..	
36	..	..	Proposed shed, &c., in Telegraph store yard at Arkónam.	2,076	6,134	8,210	..	..	..	..	..	..	2,076	6,134	8,210	..	
37	..	..	Lighting the Arkónam station and yard by electricity (including Power House).	2,916	4,644	7,560	..	..	..	1,000	1,290	2,290	1,916	3,354	5,270	..	Difference between the estimate sanctioned in G.O., No. 429 R., dated 15th August 1894 and the revised estimate (including Power House) now submitted.
			Unsanctioned minor works as per Schedule C.	60,833	41,894	1,02,727	..	..	..	1,835	4,700	6,535	58,998	37,194	96,192	..	
			Total, Engineering Department ..	12,40,592	7,06,018	19,46,610	..	..	..	5,835	11,990	17,825	3,81,604	3,43,599	7,25,203	12,03,582	
			LOCOMOTIVE DEPARTMENT.														
1	..	..	Fitting automatic vacuum brake gear for 8 engines.	400	7,550	7,950	..	..	..	..	..	..	400	7,550	7,950	..	
			CARRIAGE AND WAGON DEPARTMENT.														
1	..	..	Fitting automatic vacuum brake gear for 200 carriages.	25,684	85,507	1,11,191	..	..	..	..	..	..	25,684	85,507	1,11,191	..	
2	..	..	Two tool vans	1,240	5,760	7,000	..	..	..	..	..	..	1,240	5,760	7,000	..	
3	..	..	Two tank wagons for kerosine oil, 15 tons.	1,540	6,360	7,900	..	..	..	..	..	..	1,540	6,360	7,900	..	
4	..	..	Two hundred open goods wagons ..	47,436	3,20,564	3,68,000	..	..	..	..	..	..	47,436	3,20,564	3,68,000	..	
5			Gas plant for joint installation at Bangalore city.	7,000	38,000	45,000	..	..	..	..	..	..	7,000	38,000	45,000	..	
6	..	..	Fitting 50 carriages with vacuum brake gear.	..	2,620	2,620	..	..	..	..	2,620	2,620	..	..	..	..	Difference between the original estimate sanctioned in G.O., No. 624 R., dated 28th July 1896, Schedule A. and revised estimate submitted for this work.
			Total, Carriage and Wagon Department.	82,900	4,58,811	5,41,711	..	..	..	..	2,620	2,620	82,900	4,56,191	5,39,091	..	
			Total, Schedule B ..	13,23,892	11,72,379	24,96,271	..	..	..	5,835	14,610	20,445	4,64,904	8,07,340	12,72,244	12,03,582	

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.			
			Bridgework.			
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. 1896				
2	C.E. No. 3222..	15th ,, 1897.	Strengthening 2-64 feet girders by inserting central masonry piers at 307/17 miles, Nilgiri branch line.	817	213	1,030
3	C.E. No. 3222..	15th ,, ,,	Strengthening 2-64 feet girders by inserting central masonry piers at 312/13 miles, Nilgiri branch line.	955	213	1,168
4	C.E. No. 3222..	15th ,, ,,	Strengthening 2-64 feet girders by inserting central masonry piers at 314/10 miles, Nilgiri branch line.	996	213	1,209
5	C.E. No. 3222..	15th ,, ,,	Strengthening 2-64 feet girders by inserting central mosonry piers at 142/10 miles, North-west line.	651	212	863
6	C.E. No. 3222..	15th ,, ,,	Strengthening 2-64 feet girders by inserting central masonry piers at 232/3 miles, North-west line.	2,010	425	2,435
7	C.E. No. 3222..	15th ,, ,,	Strengthening 2-64 feet girders by inserting central masonry piers at 232/10 miles, North-west line.	833	212	1,045
8	G.O. No. 336 R.	11th May ,,	Restoration of bridge No. 251 at 107/10-11 miles.	3,851	..	3,851
9	C.E. No. 3515..	17th Nov. ,,	Strengthening 4-64 feet girders at 313/12 miles, Nilgiri branch line.	2,733	425	3,158
10	C.E. No. 3515..	17th Nov. ,,	Strengthening 4-64 feet girders at 321/13 miles, Nilgiri branch line	2,342	426	2,768
11	C.E. No. 3515..	17th Nov. ,,	Strengthening 4-64 feet girders at 308/17 miles, Nilgiri branch line.	3,087	425	3,512
			Stations and Buildings.			
			Ráyapuram.			
12	C.E. No. 997 ..	27th Mar. 1896.	Lengthening the engine turn-table at Rónigunta from 45 to 50 feet and fixing it at Ráyapuram.	1,223	262	1,485
	M.O.M. ..	25th June 1897.				
13	C.E. No. 2733..	23rd Aug. 1897.	Re-arrangement of signals between Washermanpet and Ráyapuram.	130	1,825	1,955
14	C.E. No. 2539..	4th ,, ,,	Substitution of larger level crossing gates at the Monegar Choultry.	564	506	1,070
			Washermanpet.			
15	C.E. No. 2003..	16th June 1897.	Substitution of larger level crossing gate at Washermanpet.	644	608	1,252
16	C.E. No. 2956..	11th Sept. ,,	Extension of platform at Washermanpet station on Ennur line side.	1,082	706	1,788
17	C.E. No. 1134..	25th Mar. ,,	Inserting rubble drains through bank slopes from 2/0 to 3/5 miles, South-west line.	1,206	..	1,206
			Perambúr Works.			
18	C.E. No. 2056..	23rd June 1896.	Additions and alterations to tyre shop at Perambúr Works.	1,606	715	2,321
19	C.E. No. 1884..	22nd June ,,	Interlocking points and signals at west end of Perambúr Works.	247	2,899	3,146
	M.O.M. ..	29th Sept. 1897.				
20	C.E. No. 1886..	5th June ,,	Proposed pattern loft under water tank iron foundry at Perambúr Works.	252	1,579	1,831
21	C.E. No. 2598..	10th Aug. ,,	Examining pits in carriage lifting shed at Perambúr Works.	1,044	437	1,481
22	C.E. No. 2954..	11th Sept. ,,	Line leading from timber yard into saw mills at Perambúr Workshop yard.	187	2,592	2,779
			Arkónam.			
23	C.E. No. 500 ..	10th Feb. 1897.	Saw pit for engineering workshops at Arkónam.	940	617	1,557
24	C.E. No. 2002..	16th June ,,	Timber shed in engineering workshops at Arkónam.	937	1,323	2,260
			Arcot.			
25	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. ,,				

WORKS—PART III.

Madras Railway for the official year 1898-99.

Actual expenditure up to close of official year 1896-97. Cash outlay in India.	Value of stores.	Total.	Probable expenditure during 1897-98. Cash outlay in India.	Value of stores.	Total.	Budget estimate of expenditure for official year 1898-99. Cash outlay in India.	Value of stores.	Total.	Estimated expenditure in future years.	Remarks.
RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	
..	..	..	375	2,429	2,804	..	..	..	..	
..	..	..	817	213	1,030	..	..	..	..	
..	..	..	955	213	1,168	..	..	..	..	
..	..	..	996	213	1,209	..	..	..	..	
..	..	..	651	212	863	..	..	..	..	
..	..	..	2,010	425	2,435	..	..	..	..	
..	..	..	833	212	1,045	..	..	..	..	
..	..	..	11,887	2,352	14,239	..	..	..	..	
..	..	..	733	425	1,158	2,000	..	2,000	..	
..	..	..	1,000	426	1,426	1,342	..	1,342	..	
..	..	..	1,000	425	1,425	2,087	..	2,087	..	
..	..	..	1,223	262	1,485	..	..	..	..	
..	..	..	130	1,825	1,955	..	..	..	..	
..	..	..	564	506	1,070	..	..	..	..	
..	..	..	644	608	1,252	..	..	..	..	
..	..	..	1,082	706	1,788	..	..	..	..	
..	..	..	1,416	..	1,416	..	..	..	..	
623	241	864	983	474	1,457	..	..	..	..	
..	1,185	1,185	247	1,714	1,961	..	..	..	..	
..	..	..	252	1,579	1,831	..	..	..	..	
..	..	..	1,044	437	1,481	..	..	..	..	
..	..	..	187	2,592	2,779	..	..	..	..	
..	..	..	857	700	1,557	..	..	..	..	
..	..	..	937	1,323	2,260	..	..	..	..	
..	..	..	805	429	1,234	..	..	..	..	

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.			
			Ambúr.			
26	C.E. No. 2802..	8th Sept. 1896.	Alterations and additions to station-house at Ambúr.	* 440	* 70	510
	M.O.M. ..	5th Aug. 1897.				
	M.O.M. ..	29th Sept. ,,				
			Gudupalli.			
27	C.E. No. 1887..	22nd June 1896.	Watering arrangement at Gudupalli ..	1,720	956	2,676
	C.E. No. 2113..	15th July ,,				
	M.O.M. ..	26th Aug. 1897.				
			Bisanatham.			
28	C.E. No. 318 ..	26th Jan. 1897.	Stationmaster and Assistant Station-master's house at Bisanatham.	1,246	914	2,160
	M.O.M. ..	29th Oct. ,,				
29	C.E. No. 1932..	10th June ,,	Four houses for subordinate staff of Traffic Department at Bisanatham.	749	466	1,215
			Bowringpet.			
30	C.E. No. 1806..	13th June 1896.	Locomotive siding at Bowringpet ..	944	1,386	2,330
	M.O.M. ..	26th Aug. 1897.				
31	C.E. No. 2955..	11th Sept. ,,	Signal arrangement at Bowringpet ..	316	2,725	3,041
32	C.E. No. 1174..	15th April 1896.	Removing and refixing engine turn-table and alterations of sidings at Bowringpet.	391	2,453	2,844
	M.O.M. ..	26th Aug. 1897.				
33	C.E. No. 1534..	18th May 1896.	Third-class waiting room to be extended westwards to take in the present store room and fruit stall to be built beyond this at Bowringpet.	† 1,536	905	2,441
	M.O.M. ..	29th Sept. 1897.				
	M.O.M. ..	29th Oct. ,,				
			Bangalore Cantonment.			
34	C.E. No. 2021..	17th June 1897.	New engine turn-table 50 feet diameter in lieu of the existing one 40 feet diameter at Bangalore Cantonment.	816	1,576	2,392
			Bangalore City.			
35	C.E. No. 1257..	21st April 1896.	Constructing twelve huts for the Police force of the Civil and Military stations on the Bangalore Branch.	2,782	1,193	3,975
	M.O.M. ..	2nd Dec. ,,				
36	C.E. No. 24 ..	6th Jan. 1897.	Police station at Bangalore City ..	‡ 1,262	821	2,083
	M.O.M. ..	29th Oct. ,,				
37	C.E. No 2244..	8th July ,,	Store-room for Carriage Examiner at Bangalore City.	819	360	1,179
38	C.E. No. 680 ..	28th Feb. 1896.	Watering arrangement at 204-2 miles, South-west line.	§ 1,045	§ 113	1,158
	M.O.M. ..	30th Sept. ,,				
	M.O.M. ..	29th Sept. 1897.				
			Olavakkót.			
39	C.E. No. 1386..	23rd April 1897.	Proposed 30-ton weight bridge in lieu of the existing one at Olavakkót.	..	1,120	1,120
40	G.O., No. 10 R.	8th Jan. 1896.	Alterations and additions of sidings, &c., at west end of station at Olavakkót.	1,787	2,974	4,761
	M.O.M. ..	25th June 1897.				
			Palghat.			
41	C.E. No. 3999..	15th Dec. 1896.	Substitution of brick for mat walls for station-house and latrine at Palghat.	1,410	70	1,480
	M.O.M. ..	29th Sept. 1897.				
			Tiruttani.			
42	C.E. No. 3265..	16th Oct. 1895.	Train-protecting bars at Tiruttani ..	‖ 142	1,017	1,159
	M.O.M. ..	27th Mar. 1896				
	M.O.M. ..	29th Sept. 1897.				
			Puttúr.			
43	C.E. No. 98 ..	11th Jan. 1894.	Interlocking points and signals at Puttúr.	‖ 785	‖ 3,596	4,381
	C.E. No. 3170..	7th Oct. 1896.				
	M.O.M. ..	5th Aug. 1897.				
	M.O.M. ..	29th Oct. ,,				
			Renigunta.			
44	C.E. No. 3422..	6th Nov. 1897.	Thirty-ton weigh-bridge in lieu of the existing 18½ ton weigh-bridge at Renigunta.	128	1,189	1,317
			Cuddapah.			
45	C.E. No. 3696..	21st Nov. 1896.	Ash pits and water column at Cuddapah..	646	1,594	2,240
	M.O.M.	29th Sept. 1897.				
46	C.E. No. 435 ..	5th Feb. ,,	Thirty-ton weigh-bridge in lieu of the existing 18½-ton weigh-bridge at Cuddapah.	31	1,195	1,226
	M.O.M.	29th Oct. ,,				
			Kamalapuram.			
47	C.E. No. 3267..	20th Oct. 1897.	Extension of platform and diversion of road at Kamalapuram.	803	803	1,606
48	C.E. No. 1885..	5th June ,,	Proposed method of raising tank at Kamalapuram.	894	698	1,592
	M.O.M. ..	29th Oct. ,,				

Madras Railway for the official year 1898-99—*cont.*

Actual expenditure up to close of official year 1896-97. Cash outlay in India.	Value of stores.	Total.	Probable expenditure during 1897-98. Cash outlay in India.	Value of stores.	Total.	Budget estimate of expenditure for official year 1898-99. Cash outlay in India.	Value of stores.	Total.	Estimated expenditure in future years.	Remarks.
RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	
428	69	497	Cr. 53	..	Cr. 53	..	..	..	..	* The alteration is due to a re-allocation which has been approved of but not recorded being under Rs. 500.
1,720	940	2,660	..	16	16	..	..	..	..	
151	205	356	936	521	1,457	..	..	..	..	
..	..	..	749	466	1,215	..	..	..	..	
3	..	3	..	1,072	1,072	..	..	..	..	
..	..	..	316	2,725	3,041	..	..	..	..	
81	557	638	..	1,139	1,139	..	..	..	..	
1,329	879	2,208	Cr. 48	25	Cr. 23	..	..	..	..	† The alteration is due to a re-allocation which has been approved of but not recorded being under Rs. 500.
..	..	..	816	1,576	2,392	..	..	..	..	
3,163	1,201	4,364	337	499	836	..	..	..	..	
..	194	194	1,162	617	1,779	..	..	..	..	‡ Work completed.
..	..	..	819	360	1,179	..	..	..	..	
1,041	109	1,150	..	Cr. 67	Cr. 67	..	..	..	..	§ Work completed.
..	..	..	..	1,120	1,120	..	..	..	..	
329	236	565	1,295	2,901	4,196	..	..	..	..	
502	35	537	908	35	943	..	..	..	..	
48	189	237	94	37	131	..	..	..	..	‖ The alteration is due to a re-allocation which has been approved of but not recorded being under Rs. 500.
599	2,828	3,427	186	768	954	..	..	..	..	
..	..	..	128	1,189	1,317	..	..	..	..	
155	210	365	491	1,384	1,875	..	..	..	..	
..	7	7	..	713	713	..	..	..	..	
..	..	..	803	803	1,606	..	..	..	..	
..	..	..	894	698	1,592	..	..	..	..	

Budget Estimate of Minor Works of the Madras Railway for the official year 1898–99—*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 1896–97. Cash outlay in India.	Value of stores.	Total.	Probable expenditure during 1897–98. Cash outlay in India.	Value of stores.	Total.	Budget estimate of expenditure for official year 1898–99. 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.														
			Mangapatnam.														
49	C.E. No. 1241.. M.O.M.	3rd April 1897. 29th Oct. „	Block cabin and Booking office, &c., at Mangapatnam.	*877	*300	1,177	..	..	..	877	300	1,177	..	..	..	..	* The alteration is due to a re-allocation which has been approved of but not recorded being under Rs. 500.
50	C.E. No. 1957 ..	11th June „	Two houses for Stationmaster and Assistant Stationmaster and three houses for Porters at Mangapatnam.	2,011	1,006	3,017	..	..	..	2,011	1,006	3,017	..	..	..	..	
			Kondapuram.														
51	C.E. No. 1728..	21st May 1897.	Proposed extension of platform at Kondapuram.	701	319	1,020	..	..	..	701	319	1,020	..	..	..	..	
52	C.E. No. 1295 ..	8th April 1897.	Fitting of Annet's locks to facing points North-west and South-west lines.	989	731	1,720	..	..	..	989	731	1,720	..	..	..	..	
			Electric Telegraph.														
53	C.E. No. 4107..	22nd Dec. 1896.	Telephone circuit with two wires between Central station, Veyasarpady and Washermanpet Block houses, also two additional telephones, one for Rayapuram Block house and one for Washermanpet.	229	1,242	1,471	110	117	227	119	1,125	1,244	..	..	..	..	
			Total, Engineering Department, carried to Schedule A.	55,016	51,483	1,06,499	10,282	9,202	19,484	46,158	42,778	88,936	5,429	..	5,429	..	
			UNSANCTIONED WORKS.														
			ENGINEERING DEPARTMENT.														
			Bridge Work.														
1	..	..	Strengthening girders at 248/9 miles, North-west line.	1,856	425	2,281	..	..	..	..	..	..	1,856	425	2,281	..	
2	..	..	Strengthening girders at 248/15 miles, North-west line.	947	212	1,159	..	..	..	..	..	..	947	212	1,159	..	
3	..	..	Strengthening girders at 263/3 miles, North-west line.	1,618	425	2,043	..	..	..	..	..	..	1,618	425	2,043	..	
			Stations and Buildings.														
			Central Station.														
4	..	..	Proposed reading-room at Central Station.	2,427	1,920	4,347	..	..	..	..	..	..	2,427	1,920	4,347	..	
			Salt Cotaurs.														
5	..	..	Two houses for Carriage Examiner and gas-maker at Salt Cotaurs.	2,989	1,538	4,527	..	..	..	..	..	..	2,989	1,538	4,527	..	
6	..	..	Two houses for Assistant Carriage Examiner and Assistant gas-maker at Salt Cotaurs.	1,561	957	2,518	..	..	..	..	..	..	1,561	957	2,518	..	
7	..	..	Bungalow for Stationmaster at Salt Cotaurs.	2,157	1,737	3,894	..	..	..	..	..	..	2,157	1,737	3,894	..	
8	..	..	Bungalow for Assistant Stationmaster at Salt Cotaurs.	1,880	1,570	3,450	..	..	..	..	..	..	1,880	1,570	3,450	..	
9	..	..	Bungalow for Permanent-way Inspector at Salt Cotaurs.	2,157	1,737	3,894	..	..	..	..	..	..	2,157	1,737	3,894	..	
			Perambúr Works.														
10	..	..	Louvre roof and ventilators to be put in erecting shop and fitting shop at Perambúr Works.	444	2,450	2,894	..	..	..	..	..	..	444	2,440	2,894	..	
			Arkónam.														
11	..		Three houses for weigh-bridge fitter, Assistant Carriage Examiner and Assistant weigh-bridge fitter at Arkónam.	2,534	1,403	3,937	..	..	..	..	..	..	2,534	1,403	3,937	..	
12	..	..	Bungalow for Permanent-way Inspector at Arkónam.	2,262	1,248	3,510	..	..	..	..	..	..	2,262	1,248	3,510	..	
13	..	..	House for platform constable at Arkónam.	1,895	839	2,734	..	..	..	..	..	..	1,895	839	2,734	..	
14	..	..	Depôt shed at Arkónam	2,553	501	3,054	..	..	..	..	..	..	2,553	501	3,054	..	
			Munnal.														
15	..	..	Interlocking points and signals at Munnal.	223	2,246	2,469	..	..	..	223	2,000	2,223	..	246	246	..	In lieu of Sholinghar station.
			Katpadi.														
16	..	..	Godown for Messrs. Parry & Co. at Katpadi.	803	587	1,390	..	..	..	..	..	..	803	587	1,390	..	
			Virinchipuram.														
17	..	..	Wooden palings for present wire fence and platform at Virinchipuram.	73	1,346	1,419	..	..	..	..	..	..	73	1,346	1,419	..	

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.			
			Mailpatti.			
18	..	..	Deepening and enlarging well and provide a hand pump at Mailpatti.	1,455	780	2,235
			Mulanur.			
19	..	..	Extension of siding at Mulanur	477	2,912	3,389
			Krishnarajapuram.			
20	..	..	House for stationmaster at Krishnarajapuram.	806	403	1,209
			Bowringpet.			
21	..	..	Roof over goods platform at Bowringpet.	745	1,154	1,899
22	..	..	Raising increasing capacity of loco. tank at Bowringpet.	2,879	30	2,909
			Jalarpet.			
23	..	..	Double bungalow for family guards at Jalarpet.	3,218	1,563	4,781
			Mullapuram.			
24	..	..	Catch siding at Mullapuram	3,900	900	4,800
			Cauvery.			
25	..	..	House for Assistant Stationmaster at Cauvery.	630	407	1,037
			Podanur.			
26	..	..	Double bungalow for family guards at Podanur.	3,045	1,572	4,617
			Tirupur.			
27	..	..	House for Stationmaster and Assistant Stationmaster at Tirupur.	1,112	959	2,071
			Méttupálaiyam.			
28	..	..	House for Native Carriage Examiner at Méttupálaiyam.	642	525	1,167
			Rénigunta.			
29	..	..	Watering arrangement to be improved at Thocock.	3,052	..	3,052
			Nandalur.			
30	..	..	Carriage Examiner's house at Nandalur ..	1,767	826	2,593
31	..	..	Double bungalow for signallers at Nandalur.	3,423	1,356	4,779
			Gooty.			
32	..	..	Alterations and additions to station-house at Gooty.	1,679	929	2,608
			Timmanacherla.			
33	..	..	Goods siding to be connected with main line on the north side of the yard at Timmanacherla.	952	2,775	3,727
			Adóni.			
34	..	..	Alterations and additions to sidings ..	167	1,192	1,359
			Raichur.			
35	..	..	Houses for inter-communication maistry and two train men.	755	373	1,128
36	..	..	Siding required by Messrs. Best & Co. at Raichur.	150	1,097	1,247
			Miscellaneous.			
37	..	..	Two trial stations	1,100	..	1,100
			Electric Telegraph.			
38	..	..	Fixing lightning-conductors to the buildings at Bangalore City.	500	1,000	1,500
			Total, Engineering Department, carried to Schedule B.	60,833	41,894	1,02,727

Madras Railway for the official year 1898-99—*cont.*

Actual expenditure up to close of official year 1896-97. Cash outlay in India.	Value of stores.	Total.	Probable expenditure during 1897-98. Cash outlay in India.	Value of stores.	Total.	Budget estimate of expenditure for official year 1898-99. Cash outlay in India.	Value of stores.	Total.	Estimated expenditure in future years.	Remarks.
RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	
..	..	..	..	..	..	1,455	780	2,235	..	
..	..	..	..	..	..	477	2,912	3,389	..	
..	..	..	300	300	600	506	103	609	..	
..	..	..	..	..	..	745	1,154	1,899	..	
..	..	..	..	..	..	2,879	30	2,909	..	
..	..	..	500	700	1,200	2,718	863	3,581	..	
..	..	..	..	..	..	3,900	900	4,800	..	
..	..	..	200	300	500	430	107	537	..	
..	..	..	500	1,000	1,500	2,545	572	3,117	..	
..	..	..	112	400	512	1,000	559	1,559	..	
..	..	..	..	..	..	642	525	1,167	..	
..	..	..	..	..	..	3,052	..	3,052	..	
..	..	..	..	..	..	1,767	826	2,593	..	
..	..	..	..	..	..	3,423	1,356	4,779	..	
..	..	..	..	..	..	1,679	929	2,608	..	
..	..	..	..	..	..	952	2,775	3,727	..	
..	..	..	..	..	..	167	1,192	1,359	..	
..	..	..	..	..	..	755	373	1,128	..	
..	..	..	..	..	..	150	1,097	1,247	..	
..	..	..	..	..	..	1,100	..	1,100	..	
..	..	..	..	..	..	500	1,000	1,500	..	
..	..	..	1,835	4,700	6,535	58,998	37,194	96,192	..	

Schedule D or Construction Works—Part IV.

Budget Estimate of Emergent Works of the Madras Railway for the official year 1898-99—*Nil.*

Schedule E.

Budget Estimate of Expenditure for Purchase of Stores for the Madras Railway during 1898-99.

Details.		Actual purchases during 1896-97.		Probable purchases during 1897-98.		Estimated purchases during 1898-99.	
		Quantity.	Amount.	Quantity.	Amount.	Quantity.	Amount.
In India.			Rs.		Rs.		Rs.
Firewood	Tons	89,594	4,42,802	96,000	4,76,960	95,000	4,52,000
Oil of sorts	..	..	1,32,321	..	1,38,000	..	1,32,600
Cotton, waste, &c.	lb.	89,423	7,733	73,200	6,840	73,500	7,000
Coal, Indian	Tons	41,686	5,76,343	36,360	4,95,700	36,000	4,86,000
Coke, do.	..	..	..	..	..	750	18,000
Wooden sleepers	..	..	24,363	..	25,000	..	25,000
Do. keys	..	..	16,388	..	15,000	..	15,000
Timber of all kinds	..	..	2,47,328	..	1,73,500	..	2,30,500
Materials for tarpaulins	..	..	..	..	4,000	..	3,000
Manufacture of stores	..	..	1,77,098	..	1,90,000	..	2,50,000
Freight and landing charges	..	..	37,988	..	50,000	..	50,000
Printing and stationery	..	..	93,833	..	70,000	..	70,000
Hardware (iron, steel, files, screws, &c.) ..	..	..	23,677	..	25,000	..	25,000
Sundry stores	..	..	2,82,221	..	2,50,000	..	2,50,000
Total ..	..	..	20,62,095	..	19,20,000	..	20,14,100
In England.							
Coke	..	..	..	1,000	15,000	250	6,000
Tyre, engine and tender	No.	680	18,613	..	13,890	..	10,000
Axles, do. do.	..	..	..	..	14,800	..	2,000
Wheels and axles carriage	No.	250	18,315	..	..	..	25,200
Machinery and tools	..	..	7,248	..	20,788	..	10,000
Iron and steel	Tons	215	30,610	..	4,820	..	10,000
Copper and brass	,,	49	41,369	..	47,601	..	35,000
Materials for construction and renewals of rolling-stock	..	..	15,692	..	1,02,749	..	1,61,100
Automatic vacuum brake gear	..	..	39,252	..	57,992	200	55,000
Gas plant and fittings	..	..	10,938	..	40,302	..	46,000
Locomotive engines	..	6	1,54,755	8	2,06,000	..	..
Bridge materials	..	..	..	..	5,200	..	25,000
Permanent-way materials, &c.	..	5,234	3,45,996	..	6,51,827	..	2,94,306
Materials for tarpaulins	..	..	..	..	2,000	..	7,000
Telegraph stores	..	..	17,425	..	16,165	..	4,985
Sundry stores	..	..	31,311	..	1,51,866	..	1,18,409
Total ..	..	..	7,31,524	..	13,51,000	..	8,80,000
Total, Schedule E ..	..	..	27,93,619	..	32,71,000	..	28,94,100

Memorandum.

	Rs.
Actual balance of stores on hand, 1st April 1897	26,94,077
Estimated purchases during 1897-98 as above	32,71,000
Total ...	59,65,077
Estimated issues during 1897-98	30,00,226
Estimated balances on 1st April 1898	29,64,851
Estimated purchases during 1898-99	28,94,100
Total ...	58,58,951
Estimated issues during 1898-99	36,91,736
Estimated balances on 1st April 1899	21,67,215

English Transactions.

	1898-99. Rs.
Indents to be sent home during the year	7,39,000
Add—for indents of previous year expected to be complied within official year	6,28,000
Add—English establishment charges	1,03,636
Total ...	14,70,636
Deduct—Amount of orders not expected to be complied with until next year	4,87,000
Net capital cash transactions in England	9,83,636

Schedule F.

Estimate of Traffic Receipts of the Madras Railway, 1898-99.

	Rs.
Number of miles open for traffic on 1st April 1897	840
Expected to be opened during 1897-98	...
Total on 1st April 1898 ...	840
Expected to be opened during 1898-99	...
Total likely to be opened at end of 1898-99	840
Average number of miles expected to be opened during the whole of 1898-99	840

—	Actuals in 1896-97.	Sanctioned budget estimate, 1897-98.	Revised estimate, 1897-98.	Budget estimate, 1898-99.
	Rs.	Rs.	Rs.	Rs.
Coaching traffic	45,46,792	46,00,000	46,00,000	46,00,000
Goods do.	62,66,154	61,20,000	65,00,000	62,00,000
Electric Telegraph earnings... ...	20,194	20,000	20,000	20,000
Sundries	1,92,687	1,60,000	1,60,000	1,60,000
Total ...	1,10,25,827	1,09,00,000	1,12,80,000	1,09,80,000
Train mileage	2,487,064	2,500,000	2,500,000	2,500,000

SCHEDULE G.

ESTIMATE of REVENUE EXPENDITURE on the MADRAS RAILWAY for the official year 1898-99.

—	Actuals in 1896-97.	Sanctioned budget estimate, 1897-98.	Revised estimate, 1897-98.	Budget estimate, 1898-99.
	RS.	RS.	RS.	RS.
Maintenance of Way, Works and Stations.				
1. General superintendence	2,51,880	2,50,000	2,50,000	2,50,000
2. Maintenance and renewal of permanent-way	5,33,835	5,00,000	4,75,000	5,00,000
3. Repairs of bridges, wages and materials ...	1,14,988	2,00,000	1,80,000	2,00,000
3-A. Conservancy of rivers	...	...	...	...
4. Repairs of stations and buildings, wages and materials	1,59,571	1,70,000	1,60,000	1,60,000
5. Maintenance by contract	..	...	...	...
6. New minor works	15,557	25,000	20,000	22,000
7. Unclassified expenditure	1,94,869	2,03,600	2,00,000	2,00,000
Total ...	12,70,700	13,48,600	12,85,000	13,32,000
Cost of working Kolar Gold Fields Railway	22,109	17,500	25,000	25,000
Total ...	12,48,591	13,31,100	12,60,000	13,07,000
Locomotive Expenses.				
1. General superintendence	1,37,705	1,41,500	1,36,122	1,39,260
2. Running expenses (wages connected with the working of locomotive engine) ...	3,49,140	3,50,000	3,54,885	3,50,000
3. Fuel	8,74,879	8,65,000	9,05,177	8,90,000
4. Water (including wages and stores) ...	30,921	35,000	37,699	38,000
5. Oil, tallow and other stores, &c., (expended on engines in work)	47,185	46,800	49,890	49,000
6. Maintenance and renewals of locomotive engines	5,09,223	5,10,000	5,34,514	5,30,000
6-A. Maintenance and renewals of machinery, tools and plant	15,175	14,000	15,359	15,000
7. New minor works	...	3,000	1,750	3,000
8. Payments to other lines	...	...	...	...
9. Unclassified expenditure	1,67,275	1,64,500	1,76,605	1,60,000
Total ...	21,31,503	21,29,800	22,12,001	21,74,260
Deduct cost of working Kolar Gold Fields Railway	31,206	30,300	38,567	40,000
Deduct cost of working Madras-Ennur line	11,880	12,100	13,156	13,000
Total ...	20,88,417	20,87,400	21,59,978	21,21,260

Estimate of Revenue Expenditure on the Madras Railway for the official year 1898-99—*cont.*

—	Actuals in 1896-97.	Sanctioned budget estimate, 1897-98.	Revised estimate, 1897-98.	Budget estimate, 1898-99.
	RS.	RS.	RS.	RS.
Carriage and Wagon Expenses.				
1. General superintendence	39,407	41,800	41,250	41,500
2. Repairs and renewals of vehicles	4,91,187	4,74,260	4,43,008	4,15,000
2-A. Do. do. of machinery, tools and plant	12,168	9,800	12,027	12,000
3. Cleaning carriages and wagons and oiling.	63,262	64,000	68,538	66,000
4. New minor works	...	...	...	...
5. Unclassified expenditure	60,201	60,000	54,307	52,000
Total ...	6,66,225	6,49,860	6,19,130	5,86,500
Deduct sum chargeable to Fire Insurance Fund	599	...	...	...
	6,65,626	6,49,860	6,19,130	5,86,500
Deduct cost of working Kolar Gold Fields Railway	9,118	8,570	11,157	10,000
	6,56,508	6,41,290	6,07,973	5,76,500
Deduct cost of working Madras-Ennur line	3,479	3,390	3,882	3,500
Total ...	6,53,029	6,37,900	6,04,091	5,73,000
Traffic Expenses.				
1. Salaries, wages, &c.	6,38,333	6,38,200	6,62,000	6,68,000
2. Fuel, lighting, water and general stores ...	1,05,128	90,000	80,000	80,000
3. Clothing	11,157	13,000	13,000	13,000
4. Printing, stationery and tickets	70,453	72,000	76,000	76,000
5. Charges for delivery and collection of goods, &c.	2,394	2,500	2,500	2,500
6. Miscellaneous expenses	4,306	5,500	5,500	5,500
7. Payments to other lines	23,210	15,000	15,000	15,000
8. Unclassified expenditure	14,583	18,000	18,000	18,000
Total ...	8,69,564	8,54,200	8,72,000	8,78,000
Deduct sum chargeable to Fire Insurance Fund	239	...	200	200
	8,69,325	8,54,200	8,71,800	8,77,800
Deduct cost of working Kolar Gold Fields Railway	12,284	11,920	13,000	13,000
	8,57,041	8,42,280	8,58,800	8,64,800
Deduct cost of working Madras-Ennur line	4,837	4,780	4,800	4,800
Total ...	8,52,204	8,37,500	8,54,000	8,60,000
General Charges.				
1. Home expenditure	72,226	75,000	75,000	75,000
2. Salaries of Indian management including offices	2,83,494	2,88,000	2,90,380	2,90,400
3. Police	38,368	38,000	39,000	39,000
4. Advertising (all advertisements of all departments)	5,367	6,000	6,000	6,000
5. Electric telegraph	1,44,377	1,64,700	1,59,060	1,68,600

Estimate of Revenue Expenditure on the Madras Railway for the official year 1898-99—*cont.*

—	Actuals in 1896-97.	Sanctioned budget estimate, 1897-98.	Revised estimate, 1897-98.	Budget estimate, 1898-99.
General Charges—cont.	RS.	RS.	RS.	RS.
6. Clearing accounts with other lines ...	...	...	...	...
7. Unclassified expenditure	54,724	55,000	55,000	55,000
Total ...	5,98,556	6,26,700	6,24,440	6,34,000
Deduct sum chargeable to Fire Insurance Fund	7,930	6,000	6,500	5,000
	5,90,626	6,20,700	6,17,940	6,29,000
Deduct cost of working Kolar Gold Fields Railway	8,322	8,780	10,000	10,000
	5,82,304	6,11,920	6,07,940	6,19,000
Deduct cost of working Madras-Ennur line	3,286	3,520	3,440	3,500
Total ...	5,79,018	6,08,400	6,04,500	6,15,500
Special and Miscellaneous Expenditure.				
1. Law charges	1,579	3,000	3,000	3,000
2. Compensation	2,079	2,500	2,500	2,500
3. Rates and taxes (including municipal water rates)	23,560	24,500	24,500	24,500
4. Payments to other lines	657	6,700	6,700	6,700
5. Prizes for station gardens, &c.	478	1,000	1,000	1,000
6. Contribution to Railway Provident Institution	41,861	42,000	42,000	42,000
7. Miscellaneous	18,084	20,000	20,000	20,000
Total ...	88,298	99,700	99,700	99,700
Deduct sum chargeable to Fire Insurance Fund	446	...	...	...
	87,852	99,700	99,700	99,700
Deduct cost of working Kolar Gold Fields Railway	1,225	1,400	1,400	1,400
	86,627	98,300	98,300	98,300
Deduct cost of working Madras-Ennur line	488	600	600	600
Total ...	86,139	97,700	97,700	97,700

MADRAS,
21st December 1897.

T. WAKE,
for Chief Auditor.
L. S. MOSS,
Agent and Manager.

NOTE by the Examiner, Guaranteed Railway Accounts, on the Capital and Revenue revised and budget estimates of the Madras Railway for 1897-98 and 1898-99.

The following table shows a comparison between the budget estimates for 1897-98 and 1898-99 and the revised estimate for 1897-98 :—

Heads of account.	Actuals, 1896-97.	Budget estimate, 1897-98.	Revised estimate, 1897-98.	Budget estimate, 1898-99.	Revised estimate compared with budget estimate, 1897-98.		Budget estimate, 1898-99, compared with revised estimate, 1897-98.	
					More.	Less.	More.	Less.
INDIAN OUTLAY.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Capital.								
Total withdrawals	22,52,632	27,25,000	23,00,932	28,16,683	..	4,24,068	5,15,751	..
Total payments into treasury ..	25,83,210	27,00,000	28,00,000	28,00,000	1,00,000	..	..	..
Net demand ..	3,30,578	25,000	4,99,068	16,683	..	5,24,068	5,15,751	..
Revenue.								
Payments into treasury—								
Administrative earnings ..	1,10,25,827	1,09,00,000	1,12,80,000	1,09,80,000	3,80,000	..	..	3,00,000
Suspense	15,64,749	16,00,000	16,00,000	16,00,000	..	..	..	..
Total ..	1,25,90,576	1,25,00,000	1,28,80,000	1,25,80,000	3,80,000	..	..	3,00,000
Withdrawals from treasury—								
Working expenses	55,07,398	56,00,000	55,80,269	55,74,460	..	19,731	..	5,809
Suspense	15,92,501	16,00,000	16,00,000	16,00,000	..	..	..	..
Total ..	70,99,899	72,00,000	71,80,269	71,74,460	..	19,731	..	5,809
Net earnings ..	55,18,429	53,00,000	56,99,731	54,05,540	3,99,731	..	..	2,94,191
Net receipts ..	54,90,677	53,00,000	56,99,731	54,05,540	3,99,731	..	..	2,94,191
Surplus profits, Company's share ..	1,438	..	91,500	1,00,000	91,500	..	8,500	..
Contribution to Provident institution	29	..	10,500	11,000	10,500	..	500	..

REVISED ESTIMATE, 1897-98, COMPARED WITH BUDGET ESTIMATE FOR 1897-98.

Capital.

2. The decrease in withdrawals is made up as under :—

		RS.
(i)	Decrease in provision for works	3,76,561
(ii)	Do. do. for suspense miscellaneous	70,000
	Total ...	4,46,561
Less—		
(iii)	Increased provision for stores	22,493
	Net decrease ...	4,24,068

(*a*) The reduction on works is due to all works, except those considered absolutely necessary, having been postponed in accordance with the instructions of the Government of India.

(*b*) The decrease under suspense miscellaneous is due to work undertaken for other railways, &c., having been less than anticipated.

(*c*) The increase on stores is small and calls for no remarks.

(*d*) The proposed estimate of Rs. 23,00,932 provides, for cash expenditure of Rs. 2,22,000 for each of the months of February and March next, which does not appear too high, thus :—

	Rs.
Approximate expenditure to November 1897	14,33,000
Letters of credit for December 1897 and January 1898	4,25,000
Balance for expenditure in February and March 1898	4,42,932
Total ...	23,00,932

3. The increase of Rs. 1,00,000 in payments into treasury is wholly in connection with refunds other than those relating to stores. The estimate will probably be realized, as from information available the credits for the first eight months of the year are placed at Rs. 19,20,000, leaving Rs. 8,80,000 to be recovered during the remaining four months of the year, or a reasonable average of Rs. 2,20,000 per mensem.

Revenue.

4. (*a*) *Earnings.*—The increase of Rs. 3,80,000 is wholly in goods traffic, and is due to abnormally large movements of grain, owing to the famine in the north of India and in the northern districts of the Madras Presidency.

	Rs.
The actual and approximate earnings to end of December 1897 are	86,10,000
The actuals for the last three months of the previous official year amounted to	27,88,000
Total ...	1,13,98,000

But, as recent returns show a decline in the traffic in grain, and as the improvement in this traffic began during the latter part of 1896–97, it is unlikely that the earnings during the last quarter of that year will be realized in the corresponding period of 1897–98, and the estimate has therefore been placed at Rs. 1,12,80,000 only.

(*b*) No alteration is suggested in the estimate of suspense receipts.

(*c*) *Expenditure—Working expenses.*—The small decrease of Rs. 19,731 requires no explanation. Judging from the latest return of grants and from other information available, it is likely that the estimate will be worked up to.

(*d*) *Suspense withdrawals.*—As in the case of suspense receipts, no modification of this estimate is considered necessary.

(*e*) *Surplus profits and contribution to the Provident Institution.*—The provision made was sanctioned by the Government of India in letter, No. 504 A./R., dated 2nd October 1897, to meet the surplus profits, &c., due for the half-year ended June 1897, and against this the following payments have already been made :—

	Rs.
Surplus profits	86,000
Contribution to Provident Institution	10,200

But as surplus profits are expected for the second-half of the calendar year 1897, and, as the further sum due to the Company in connection with the transactions for the first-half of 1897 will be included in the accounts for the succeeding half-year and paid in 1898–99, the provision for surplus profits should be reduced from Rs. 91,500 to Rs. 86,000.

5. *Expenditure in England.*—The provision has been increased from Rs. 11,93,000 to Rs. 14,54,636, and is based on the latest advices from the Board of Directors.

Budget Estimate, 1898–99, compared with Revised Estimate, 1897–98.

Capital.

6. (*a*) The increase on works is due to the withdrawal of the orders restricting expenditure, and to provision being made for the following large works :—

	Rs.
Alterations, &c., Bangalore City station	51,608
46 third-class carriages	26,510
5 bogie composite carriages }	35,850
5 bogie third-class carriages }	
Branch line from Washermanpet to Salt Cotaurs	30,000
Junction arrangements at Salt Cotaurs in connection with the East Coast Railway	40,000
Extension of Perambur Workshops	30,000

The increase of about Rs. 1,00,000 on stores is chiefly due to provision being made for larger purchases of timber, and to an increase in manufacture of stores.

(*b*) The estimate of payments into treasury has been placed at the same figure as in the revised estimate.

Revenue.

7. The earnings have been reduced by Rs. 3,00,000, as the abnormal traffic in grain is unlikely to continue during 1898–99. Both the suspense receipts and withdrawals are placed at the same figure as in the revised estimate.

The provision for working expenses differs very slightly from the revised estimate, and needs no explanation.

The estimate for surplus profits, &c., provides for payment of the arrears appertaining to June 1897 half-year, and of the amount claimable by the Company from surplus profits likely to be realized during half-years ending December 1897 and June 1898.

8. *Expenditure in England.*—The decrease of Rs. 4,71,000 arises on the following items of stores :—

	Rs.	Rs.
Coke	9,000	
Tyres, engine and tender	3,890	
Axles, do.	12,800	
Machinery and tools	10,788	
Copper and brass	12,601	
Automatic vacuum brake-gear	2,992	
Locomotive engines	2,06,000	
Permanent-way material, &c.	3,57,521	
Telegraph stores	11,180	
Sundry stores	33,457	
		6,60,229
Less—		
Increases on—		
Wheels and axles—carriage	95,200	
Iron and steel	5,180	
Material for construction and renewal of rolling-stock.	58,351	
Gas plant and fittings	5,698	
Bridge material	19,800	
Material for tarpaulins	5,000	
		1,89,229
Net decrease ...		4,71,000

E. A. WALLER, Major, R.E.,
Examiner, Railway Accounts.

RAILWAY.

Government {1898} of Madras.

PUBLIC WORKS.

Recd. } 1898. *Enclosures*

Regd. } *Spare copies*

Letter, No. 52 R., 10th January 1898.

JANUARY.

Budget Estimates

Forwarding the Preliminary issue of the revised and — of the Madras Railway (Capital and Revenue) for the years 1897–98 and 1898–99, together with a note by the Examiner, Guaranteed Railway Accounts, Madras.

PUBLIC WORKS DEPARTMENT.

Railway.

LETTER—from

F. 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,

I am directed to forward, herewith, the Preliminary Issue of the Revised and Budget Estimates of the Madras Railway (Capital and Revenue) for the years 1897–98 and 1898–99, together with a note thereon by the Examiner of Railway Accounts, Madras.

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

F. J. E. SPRING,
Joint Secy. to Govt.,
Railway Branch.

FORT ST. GEORGE,
10th January 1898.

Exd. T. K. Narayana Aiyangar.

PRELIMINARY ISSUE.

BUDGET ESTIMATE

OF THE

MADRAS RAILWAY

FOR THE YEAR

1898-99.

CAPITAL ACCOUNT.

ABSTRACT of the ESTIMATED CASH EXPENDITURE on the MADRAS RAILWAY for the official year 1898–99.

Particulars.	Actuals for 1896–97.	Budget estimate for 1897–98.	Revised estimate for 1897–98.	Budget estimate for 1898–99.
INDIAN.	RS.	RS.	RS.	RS.
CAPITAL OUTLAY.				
Engineering Department.				
Sanctioned works as per schedule A		1,36,752	1,81,550	93,443
Works to be sanctioned do. B		3,73,074	5,835	3,81,604
Emergent works do. D		...	...	...
Locomotive Department.				
Sanctioned works as per schedule A	1,59,144	2,028	7,917	3,840
Works to be sanctioned do. B		4,296	...	400
Carriage and Wagon Department.				
Sanctioned works as per schedule A		24,380	30,630	85,396
Works to be sanctioned do. B		61,963	...	82,900
General.				
Establishment	...	...	...	...
Stores as per schedule E	20,62,095	18,97,507	19,20,000	20,14,100
Miscellaneous	3,235	5,000	5,000	5,000
Suspense miscellaneous	18,758	2,20,000	1,50,000	1,50,000
Increase or decrease of balance of Capital Advance Account	9,400	...	...	...
Total, Withdrawals on Capital Account ...	22,52,632	27,25,000	23,00,932	28,16,683
Receipts to be credited to Capital Account.				
Share capital paid in India	...	...	...	...
Refunds for stores sold to Revenue, &c. ...	24,62,045	25,00,000	25,00,000	25,00,000
Other refunds—				
Home expenditure, &c.	1,21,165	2,00,000	3,00,000	3,00,000
Total, Payments on Capital Account ...	25,83,210	27,00,000	28,00,000	28,00,000
Net cash demand in India on Capital Account ...	**3,30,578**	25,000	**4,99,068**	16,683
ENGLAND.				
Purchase of Stores.				
Indents to be sent home during the year ...	...	9,38,000	15,70,000	7,39,000
Previous indents to be complied with	...	3,52,023	4,09,000	6,28,000
Total ...	...	12,90,023	19,79,000	13,67,000
Deduct for indents estimated to be complied with in the following year	...	2,07,205	6,28,000	4,87,000
Total, Outlay for Stores ...	7,31,524	10,82,818	13,51,000	8,80,000
Home Expenditure and Payments.				
Home expenditure	84,833	79,636	81,818	81,818
Furlough and sick leave allowances		4,364	8,727	10,909
Family and sundry payments less receipts ...		26,182	13,091	10,909
Total, Home Expenditure and Payments ...	84,833	1,10,182	1,03,636	1,03,636
Total, Cash Demand in England ...	8,16,357	11,93,000	14,54,636	9,83,636

REVENUE ACCOUNT.

ABSTRACT of ESTIMATED REVENUE RECEIPTS and EXPENDITURE of the MADRAS RAILWAY for the official year 1898–99.

Particulars.	Actuals for 1896–97.	Budget estimate for 1897–98.	Revised estimate for 1897–98.	Budget estimate for 1898–99.
RECEIPTS AS PER SCHEDULE F.	RS.	RS.	RS.	RS.
Coaching traffic	45,46,792	46,00,000	46,00,000	46,00,000
Goods do.	62,66,154	61,20,000	65,00,000	62,00,000
Electric Telegraph earnings	20,194	20,000	20,000	20,000
Sundries	1,92,687	1,60,000	1,60,000	1,60,000
Total (1) ...	1,10,25,827	1,09,00,000	1,12,80,000	1,09,80,000
Receipts on account of traffic appertaining to other lines	15,64,749	16,00,000	16,00,000	16,00,000
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) ...	1,25,90,576	1,25,00,000	1,28,80,000	1,25,80,000
EXPENDITURE AS PER SCHEDULE G.				
Maintenance of way, works and stations ...	12,18,591	13,31,100	12,60,000	13,07,000
Locomotive expenses	20,88,417	20,87,400	21,59,978	21,21,260
Carriage and wagon expenses	6,53,029	6,37,900	6,04,091	5,73,000
Traffic expenses	8,52,204	8,37,500	8,54,000	8,60,000
General charges	5,79,018	6,08,400	6,04,500	6,15,500
Special and miscellaneous expenditure ...	86,139	97,700	97,700	97,700
Total (3) ...	55,07,398	56,00,000	55,80,269	55,74,460
Payments to other lines of their proportion of through traffic, &c.	15,92,501	16,00,000	16,00,000	16,00,000
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) ...	70,99,899	72,00,000	71,80,269	71,74,460
Net earnings (1)—(3) ...	55,18,429	53,00,000	56,99,731	54,05,540
Net receipts (2)—(4) ...	54,90,677	53,00,000	56,99,731	54,05,540
Surplus profits, Company's share ...	...	...	91,500	1,00,000
Contribution to Provident institution	...	...	10,500	11,000

CAPI

SCHEDULE A OR CONSTRUCTION

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.
				RS.	RS.	RS.
			ENGINEERING DEPARTMENT.			
			Bridgework.			
1	G.O., No. 132 R. M.O.M. ..	17th Feb. 1896. 29th Oct. 1897.	Converting the 30-feet arch bridge at 168/10 miles, Bangalore branch, into a girder opening.	5,450	2,379	7,829
2	G.O., No. 336 R.	11th May ,,	Restoration of bridge, &c., at 95/2-3 miles, North-west line.	7,463	209	7,672
3	G.O., No. 834 R.	16th Oct. ,,	Diversion of the Kodur river at 107/10-11 miles, North-west line.	19,427	..	19,427
			Stations and Buildings.			
			Ráyapuram.			
4	G.O., No. 728 R.	24th Sept. 1897.	Alterations of sidings, &c, at Ráyapuram.	866	4,921	5,787
			Washermanpet.			
5	G.O., No. 56 R.	26th Jan. 1897.	Extension of the through siding for the Ennur line at Washermanpet.	3,187	3,348	6,535
			Central Station.			
6	G.O., No. 503 R.	26th July 1897.	Carriage examining pits at Central station.	4,484	2,051	6,535
7	G.O., No. 693 R.	20th Sept. ,,	Foot over-bridge at Elephant gate level crossing.	1,728	4,672	6,400
			Perambúr Works.			
8	G.O., No. 564 R. M.O.M. ..	16th Aug. 1897. 29th Oct. ,,	Bungalow for the use of the First Assistant Locomotive Superintendent at Perambúr.	8,513	1,087	9,600
9	G.I. No. 104 R.C. G.O., No. 117 R.	27th Jan. 1896. 13th Feb. ,,	Extension of the erecting shed, Foreman's office and tool stores at Perambúr Works.	20,211	17,335	37,546
10	G.O., No. 421 R. M.O.M. .. M.O.M. ..	4th May ,, 29th Sept. 1897. 29th Oct. ,,	Additional shed for stabling of His Excellency the Governor's saloons at Perambúr Works.	* 962	* 4,175	5,137
			Tiruvallúr.			
11	G.O., No. 434 R. M.O.M. ..	13th May 1896. 29th Sept. 1897.	Alterations and additions to the station-house at Tiruvallúr.	5,211	2,031	7,242
			Jálárpet.			
12	G.O., No. 4 R.	4th Jan. 1897.	Additional water-supply at Jálárpet ..	6,572	4,322	10,894
13	G.O., No. 23 R. M.O.M. .. M.O.M. ..	9th ,, 1896. 2nd Dec. ,, 29th Oct. 1897.	Converting the Assistant Traffic Manager's bungalow into an Institute at Jálárpet.	2,027	4,446	6,473
14	G.O., No. 899 R. M.O.M. ..	24th Dec. 1895. 29th Oct. 1897.	Assistant Traffic Manager's bungalow at Jálárpet.	6,045	4,496	10,541
			Bowringpet.			
15	C.E. No. 3211. G.O., No. 950 R.	12th Oct. 1896. 11th Nov. 1897.	Proposed foot bridge at Bowringpet ..	853	5,147	6,000
			Whitefield (Watering Station).			
16	G.O., No. 964 R. M.O.M. ..	14th Nov. 1896. 29th Sept. 1897.	Water from nullah at 203/14 miles, Bangalore branch.	3,105	14,873	17,978

* The alteration is due to a re-allocation which has been approved of but not recorded being under Rs. 500.

TAL.

WORKS—PART I.

Madras Railway for the official year 1898-99.

Actual expenditure up to close of official year 1896-97. Cash outlay in India.	Value of stores.	Total.	Probable expenditure during 1897-98. Cash outlay in India.	Value of stores.	Total.	Budget estimate of expenditure for official year 1898-99. Cash outlay in India.	Value of stores.	Total.	Estimated expenditure in future years.	Remarks.
RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	
391	1,212	1,603	5,059	1,167	6,226	..	..	..	..	
..	..	..	7,901	314	8,215	..	..	..	..	
..	..	..	5,000	..	5,000	14,427	..	14,427	..	
..	..	..	700	4,000	4,700	166	921	1,087	..	
490	..	490	2,697	3,348	6,045	..	..	..	..	
..	..	..	3,000	2,000	5,000	1,484	51	1,535	..	
..	..	..	728	3,000	3,728	1,000	1,672	2,672	..	One-half of the cost will be borne by the Madras Municipality.
3,779	583	4,362	4,734	504	5,238	..	..	..	..	
7,533	7,982	15,515	4,000	8,000	12,000	8,678	1,353	10,031	..	
612	2,078	2,690	350	700	1,050	..	..	..	..	
4,139	2,468	6,607	760	Cr. 438	322	..	..	..	..	
..	91	91	6,572	4,231	10,803	..	..	..	..	
271	1,653	1,924	1,756	2,793	4,549	..	..	..	..	
6,045	4,668	10,713	..	Cr. 172	Cr. 172	..	..	..	..	
..	3,177	3,177	853	1,970	2,823	..	..	..	..	
..	..	..	3,105	14,873	17,978	..	..	..	..	

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.			
			Bangalore City.			
17	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.	30th Jan. 1894. 6th Feb. ,, 30th Sept. 1895. 30th ,, 1896. 8th ,, ,, 4th Dec. ,, 14th ,, ,,	Alterations and additions to station-house, platform, &c., at Bangalore City.	2,19,939	1,74,413	3,94,352
18	C.E. No. 3326. M.O.M. ..	21st Oct. 1895. 26th May 1893.	Purchasing Locomotive Foreman's bungalow at Bangalore City.	10,000	..	10,000
			Pódanúr.			
19	G.O., No. 1063 R.	19th Dec. 1896.	Proposed Institute at Pódanúr	3,812	3,270	7,082
			Méttupálaiyam.			
20	G.O., No. 2675 R. C.E. No. 1062. M.O.M. .. M.O.M. ..	11th Nov. 1892. 5th Dec. ,, 24th Jan. 1896. 29th Jan. 1897.	Alterations and additions in connection with the junction of the Nilgiri Railway with the Madras Railway at Méttupálaiyam.	14,972	7,791	22,763
			Ponpadi.			
21	G.O., No. 416 R.	25th June 1897.	Station house, &c., at Ponpadi	5,362	4,095	9,457
			Nagari.			
22	G.O., No. 522 R. M.O.M. .. M.O.M. ..	15th Aug. 1895. 29th Sept. 1897. 29th Oct. ,,	Interlocking points and signals at Nagari.	830	8,462	9,292
			Nandalúr.			
23	G.I. No. 21 R.C. G.O., No. 46 R. M.O.M. ..	7th Jan. 1896. 15th ,, ,, 29th Sept. 1897.	Conversion of Nandalúr into an engine-changing station.	27,113	16,576	43,689
24	G.O., No. 925 R. M.O.M. ..	27th Oct. 1896. 5th Aug. 1897.	Watering arrangements at Nandalúr ..	4,299	4,867	9,166
			Kalamala.			
25	G.O., No. 410 R.	19th June 1897.	Proposed station house at Kalamala ..	7,121	5,387	12,508
			Gooty.			
26	G.O., No. 849 R. M.O.M. ..	8th Oct. 1896. 29th Oct. 1897.	Double bungalow for European and East Indian drivers at Gooty.	5,141	1,537	6,678
27	G.O., No. 405 R.	15th June ,,	Locomotive workshops; alteration of locomotive sidings and new 50 feet engine turn-table in lieu of the existing 40 feet one at Gooty.	1,863	6,680	8,543
28	G.O., No. 48 R.	23rd Jan. 1897.	Assistant Engineer's bungalow at Gooty.	6,169	4,257	10,426
29	G.O., No. 754 R. M.O.M ..	7th Sept. 1896. 26th Aug. 1897.	Nineteen houses for the use of the subordinate staff (Traffic Department), South-west line.	3,470	1,736	5,206
30	G.O., No. 694 R. M.O.M. .. M.O.M. ..	19th Oct. 1895. 25th June 1897. 29th Oct. ,,	Altering the distant signals on the Madras Railway.	..	5,480	5,480

Madras Railway for the official year 1898–99—*cont.*

Actual expenditure up to close of official year 1896–97. Cash outlay in India.	Value of stores.	Total.	Probable expenditure during 1897–98. Cash outlay in India.	Value of stores.	Total.	Budget estimate of expenditure for official year 1898–99. Cash outlay in India.	Value of stores.	Total.	Estimated expenditure in future years.	Remarks.
RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	
1,28,331	71,875	2,00,206	40,000	60,000	1,00,000	51,608	42,538	94,146	..	
..	..	..	10,000	..	10,000	..	..	..	..	
63	58	121	2,547	4,742	7,289	..	..	..	..	
12,646	6,956	19,602	4,945	..	4,945	..	..	..	..	
..	..	..	3,006	4,000	7,000	2,362	95	2,457	..	
261	7,649	7,910	569	813	1,382	..	..	..	..	
21,656	8,600	30,256	6,493	14,625	21,118	..	..	..	..	
1,190	1,087	2,277	3,109	3,780	6,889	..	..	..	..	
..	..	..	5,000	5,000	10,000	2,121	387	2,508	..	
3,592	1,189	4,781	1,549	348	1,897	..	..	..	..	
..	..	..	1,000	6000	7,000	863	680	1,543	..	
1,247	948	2,195	4,922	3,309	8,231	..	..	..	..	
3,022	1,372	4,394	20	67	87	..	..	..	..	
..	3,406	3,406	..	2,074	2,074	..	..	..	..	

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.			
			Gooty—*cont.*			
31	G.O., No. 208 R. M.O.M. ..	26th Mar. 1897. 26th Aug. ,,	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
			Electric Telegraph.			
32	G.O., No. 798 R. G.I. No. 649 R.C. M.O.M. ..	25th July 1889. 9th ,, ,, 5th Aug. 1897.	Revised estimate for the extension of the block system and the introduction of starting semaphore signals, &c., South-west and North-west lines including additional stations.	64,943	1,01,818	1,66,761
33	G.O., No. 111 R. M.O.M. ..	1st Feb. 1889. 26th ,, 1897.	Single needle instruments, batteries, &c., for trial or additional stations.	4,122	3,588	7,710
34	G.O., No. 429 R. M.O.M. ..	15th Aug. 1894. 5th ,, 1897.	Lighting the Arkonam station and yard by electricity (including Power House). Sanctioned minor works as per Schedule C.	3,830 55,016	12,170 51,483	16,000 1,06,499
			Total, Engineering Department ..	5,38,291	4,93,442	10,31,733
			LOCOMOTIVE DEPARTMENT.			
1	G.O., No. 804 R.	21st Sept. 1896.	Fitting automatic vacuum brake gear for ten engines.	3,996	10,624	14,620
2	G.O., No. 642 R. G.I. No. 302 R.S.	28th July ,, 13th ,, ,,	Do. do. do.	1,200	8,680	9,880
3	G.O., No. 14 R.	8th Jan. 1897.	Fitting automatic vacuum brake gear for four engines.	1,200	3,889	5,089
4	G.O., No. 361 R. G.I. No. 191 R.S.	20th May ,, 5th ,, ,,	Two new locomotive engines	3,300	32,618	35,918
5	G.O., No. 391 R. G.I. No. 213 R.S.	5th June ,, 22nd May ,,	Fitting automatic brake gear for six engines.	2,500	6,760	9,260
6	G.O., No. 650 R.	15th Sept. ,,	Do. do. do.	300	5,660	5,960
7	G.O., No. 445 R.	8th July ,,	One planing machine	180	6,090	6,270
			Total, Locomotive Department ..	12,676	74,321	86,997
			CARRIAGE AND WAGON DEPARTMENT.			
1	G.O., No. 102 R. G.I. No. 55 R.S.	13th Feb. 1897. 2nd ,, ,,	Fitting carriages with apparatus for gas lighting.	20,814	1,90,442	2,11,256
2	G.O., No. 361 R. G.I. No. 191 R.S.	20th May ,, 5th ,, ,,	Two composites bogie .. .. Seventeen third-class carriages .. Two third-class carriages with brakes .. Two ordinary brake vans ..	25,425	1,01,385	1,26,810
3	G.O., No. 804 R.	21st Sept. 1896.	Fitting automatic vacuum brake gear for fifty carriages.	6,421	18,986	25,407
4	G.O., No. 642 R. G.I. No. 302 R.S.	28th July ,, 13th ,, ,,	Do. do. do.	5,000	22,380	27,380
5	G.O., No. 136 R.	18th Feb. ,,	One bogie corridor composite carriage ..	5,300	14,200	19,500
6	G.O., No. 391 R. G.I. No. 213 R.S.	5th June 1897. 22nd May ,,	Fitting automatic vacuum brake gear for two hundred carriages.	25,684	85,507	1,11,191
7	G.O., No. 751 R. G.I. No. 1398 R.S.	30th Sept. ,, 26th Aug. ,,	Forty-six third-class carriages ..	31,510	1,64,473	1,95,983
8	G.O., No. 814 R. G.I. No. 395 R.S	13th Oct. ,, 4th ,, ,,	Five bogie composite carriages, 1st, 2nd and 3rd. Five bogie third-class carriages ..	35,850	1,14,150	1,50,000
			Total, Carriage and Wagon Department.	1,56,004	7,11,523	8,67,527
			Total, Schedule A ..	7,06,971	12,79,286	19,86,257

Madras Railway for the official year 1898–99—*cont.*

Actual expenditure up to close of official year 1896-97. Cash outlay in India.	Value of stores.	Total.	Probable expenditure during 1897–98. Cash outlay in India.	Value of stores.	Total.	Budget estimate of expenditure for official year 1898–99. Cash outlay in India.	Value of stores.	Total.	Estimated expenditure in future years.	Remarks.
RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	
..	..	..	2,000	3,000	5,000	2,185	1,340	3,525	..	
65,042	99,251	1,64,293	Cr. 642	274	Cr. 368	543	2,293	2,836	..	
1,645	1,794	3,439	400	100	500	2,077	1,694	3,771	..	
65	442	507	3,265	11,228	14,493	500	500	1,000	..	
10,282	9,202	19,484	46,158	42,778	88,936	5,429	..	5,429	..	
2,72,302	2,37,741	5,10,043	1,81,550	2,08,428	3,89,978	93,443	53,524	1,46,967	..	
916	8,105	9,021	3,080	2,519	5,599	..	..	..	..	
..	..	..	360	6,700	7,060	840	1,980	2,820	..	
3	..	3	697	1,889	2,586	500	2,000	2,500	..	
..	..	..	3,300	32,618	35,918	..	..	..	..	
..	..	..	..	..	..	2,500	6,760	9,260	..	
..	..	..	300	5,660	5,960	..	..	..	..	
..	..	..	180	6,090	6,270	..	..	..	..	
919	8,105	9,024	7,917	55,476	63,393	3,840	10,740	14,580	..	
19,245	1,21,013	1,40,258	700	40,000	40,700	869	29,429	30,298	..	
11,942	39,812	51,754	7,000	45,000	52,000	6,483	16,573	23,056	..	
1,498	9,956	11,454	620	13,333	13,953	..	..	..	..	Sanction for re-allocation will be applied for.
2,990	3,201	6,191	2,010	19,179	21,189	..	..	..	..	
..	..	..	5,300	14,200	19,500	..	..	..	..	
..	..	..	10,000	60,000	70,000	15,684	25,507	41,191	..	
..	..	..	5,000	30,000	35,000	26,510	1,34,473	1,60,983	..	
..	..	..	..	..	..	35,850	1,14,150	1,50,000	..	443/794 of the total cost of this stock to be recovered from Great Indian Peninsula Railway.
35,675	1,73,982	2,09,657	30,630	2,21,712	2,52,342	85,396	3,20,132	4,05,528	..	
3,08,896	4,19,828	7,28,724	2,20,097	4,85,616	7,05,713	1,82,679	3,84,396	5,67,075	..	

SCHEDULE B OR CONSRUCTION

BUDGET Estimate of Unsanctioned Works of the

Number of items.	Sanctions.		Particulars.	Amount of estimate.		
	Number.	Date.		Cash outlay in India.	Value of stores.	Total expenditure.
			ENGINEERING DEPARTMENT.	RS.	RS.	RS.
			Stations and Buildings.			
			Ráyapuram.			
1	..	..	Export and import sheds and sidings at Ráyapuram.	12,406	35,644	48,050
2	..	..	Branch line and siding for harbour coal traffic at Ráyapuram.	5,156	18,672	23,828
3	..	..	Madras Railway and South Indian Railway joint station and line within the limits of Ráyapuram yard.	55,675	51,376	1,07,051
4	..	..	Verandah or window shaders on the north side of the ticket printing office, additional accommodation to Traffic Audit office and record-room at Ráyapuram.	6,467	3,849	10,316
			Washermanpet.			
5	..	..	Branch line from Washermanpet to Salt Cotaurs.	71,734	30,289	1,02,023
6	..	..	Junction station at Washermanpet and extension to Ráyapuram.	49,068	6,587	55,655
			Salt Cotaurs.			
7	..	..	Junction arrangement at Salt Cotaurs in connection with East Coast Railway.	4,23,202	73,680	4,96,882
8	..	..	Proposed boundary wall and raising ground at Salt Cotaurs.	7,568	262	7,830
			Perambúr.			
9	..	..	Filling up side ditches at 3/13-20 miles South-west line.	5,996	..	5,996
			Perambúr Works.			
10	..	..	Bungalow for Second Assistant Locomotive Superintendent at Perambúr Works.	4,329	2,871	7,200
11	..	..	Bungalow for Medical officer at Perambúr.	5,601	3,999	9,600
12	..	..	Raising boundary wall at Perambúr Works.	4,809	950	5,759
13	..	..	Proposed extension of workshops at Perambúr Works.	3,31,626	2,73,508	6,05,134
			Arkónam.			
14	..	..	Improvements and additions to the station yard at Arkónam.	54,286	37,260	91,546
			Bangalore City.			
15	..	..	Fire houses for Eurasian joint clerks at Bangalore City.	13,445	2,980	16,425
16	..	..	Proposed shed for making gas at Bangalore City.	8,732	7,434	16,166
			Bisanatham.			
17	..	..	Station house, platform and native latrine.	4,003	2,338	6,341
			Erode.			
18	..	..	Alteration to station house at Erode ..	4,473	4,467	8,940
			Mangalam.			
19	..	..	Extension of goods godown and sidings at Mangalam.	1,282	5,074	6,356
			Mettupalliyam.			
20	..	..	Watering arrangements at Mettupalliyam.	8,657	10,893	19,550
			Kallayi.			
21	..	..	Additional dock crane and wagon turn table at Kallayi.	3,250	4,868	8,118
			Nandalur.			
22	..	..	Twenty-two houses for subordinate staff at Nandalur.	6,731	2,775	9,506
23	..	..	Apothecary's quarters and dispensary at Nandalur.	4,565	1,808	6,373

WORKS—PART II.

Madras Railway for the official year 1898–99.

Actual expenditure up to close of official year 1896–97.			Probable expenditure during 1897–98.			Budget estimate of expenditure for official year 1898–99.			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.	
..	..	..	..	..	..	5,000	15,000	20,000	28,050	
..	..	..	..	..	..	5,000	10,000	15,000	8,828	
..	..	..	..	..	..	20,000	15,000	35,000	72,051	
..	..	..	..	..	..	6,467	3,849	10,316	..	
..	..	..	..	..	..	30,000	20,000	50,000	52,023	
..	..	..	..	..	..	10,000	6,587	16,587	39,068	
..	..	..	..	..	..	40,000	40,000	80,000	4,16,882	
..	..	..	..	..	..	7,568	262	7,830	..	
..	..	..	..	..	..	5,996	..	5,996	..	
..	..	..	..	..	..	4,329	2,871	7,200	..	
..	..	..	..	..	..	5,601	3,999	9,600	..	
..	..	..	..	..	..	4,809	950	5,759	..	
..	..	..	..	..	..	30,000	50,000	80,000	5,25,134	
..	..	..	..	..	..	10,000	20,000	30,000	61,546	
..	..	..	..	..	..	13,445	2,980	16,425	..	
..	..	..	..	..	..	8,732	7,434	16,166	..	
..	..	..	1,000	2,000	3,000	3,003	338	3,341	..	
..	..	..	..	..	..	4,473	4,467	8,940	..	
..	..	..	..	..	..	1,282	5,074	6,356	..	
..	..	..	..	..	..	8,657	10,893	19,550	..	
..	..	..	..	..	..	3,250	4,868	8,118	..	
..	..	..	..	..	..	6,731	2,775	9,506	..	
..	..	..	..	..	..	4,565	1,808	6,373	..	

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.			
			Yerragudipad.			
24	..	..	Station house, lay-bye, loading bank, native latrine, stationmasters' and porters' houses, &c., at Yerragudipad.	6,867	4,144	11,011
			Gooty.			
25	..	..	Watering arrangements, bringing water by pipes from stream at 258/11 miles, North-west line.	2,375	7,892	10,267
			Raichur.			
26	..	..	Alteration to station yard at Raichur ..	5,224	8,841	14,065
27	..	..	Twenty-two houses for subordinate staff (Traffic Department)—thirteen at Bangalore city, six at Somanur, one at Edakolam and two at Urampad.	4,630	2,760	7,390
			Miscellaneous.			
28	..	..	Two complete trial stations including lay-byes, loading banks, platforms, &c.	14,592	10,824	25,416
29	..	..	Two crossing stations	4,888	15,648	20,536
30	..	..	Four double bungalows for guards ..	17,008	5,744	22,752
31	..	..	Six houses for Native stationmasters ..	4,398	2,442	6,840
32	..	..	Twenty-five houses for subordinate staff (Traffic Department).	7,688	3,162	10,850
33	..	..	Distant signals for six stations, South-west and North-west lines.	1,320	5,016	6,336
			Electric Telegraph.			
34	..	..	Proposed upper storey for Telegraph Engineer's office at Arkónam.	4,552	2,396	6,948
35	..	..	Proposed additions to Telegraph Workshops at Arkónam.	8,164	2,893	11,057
36	..	..	Proposed shed, &c., in Telegraph store yard at Arkónam.	2,076	6,134	8,210
37	..	..	Lighting the Arkónam station and yard by electricity (including Power House).	2,916	4,644	7,560
			Unsanctioned minor works as per Schedule C.	60,833	41,894	1,02,727
			Total, Engineering Department ..	12,40,592	7,06,018	19,46,610
			LOCOMOTIVE DEPARTMENT.			
1	..	..	Fitting automatic vacuum brake gear for 8 engines.	400	7,550	7,950
			CARRIAGE AND WAGON DEPARTMENT.			
1	..	..	Fitting automatic vacuum brake gear for 200 carriages.	25,684	85,507	1,11,191
2	..	..	Two tool vans	1,240	5,760	7,000
3	..	..	Two tank wagons for kerosine oil, 15 tons.	1,540	6,360	7,900
4	..	..	Two hundred open goods wagons ..	47,436	3,20,564	3,68,000
5			Gas plant for joint installation at Bangalore city.	7,000	38,000	45,000
6	..	..	Fitting 50 carriages with vacuum brake gear.	..	2,620	2,620
			Total, Carriage and Wagon Department.	82,900	4,58,811	5,41,711
			Total, Schedule B ..	13,23,892	11,72,379	24,96,271

Madras Railway for the official year 1898–99—*cont.*

Actual expenditure up to close of official year 1896–97. Cash outlay in India.	Value of stores.	Total.	Probable expenditure during 1897–98. Cash outlay in India.	Value of stores.	Total.	Budget estimate of expenditure for official year 1898–99. Cash outlay in India.	Value of stores.	Total.	Estimated expenditure in future years.	Remarks.
RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	
..	..	..	1,000	2,000	3,000	5,867	2,144	8,011	..	
..	..	..	..	..	..	2,375	7,892	10,267	..	
..	..	..	..	..	..	5,224	8,841	14,065	..	
..	..	..	1,000	2,000	3,000	3,630	760	4,390	..	
..	..	..	..	..	..	14,592	10,824	25,416	..	
..	..	..	..	..	..	4,888	15,648	20,536	..	
..	..	..	..	..	..	17,008	5,744	22,752	..	
..	..	..	..	..	..	4,398	2,442	6,840	..	
..	..	..	..	..	..	7,688	3,162	10,850	..	
..	..	..	..	..	..	1,320	5016	6,336	..	
..	..	..	..	..	..	4,552	2,396	6,948	..	
..	..	..	..	..	..	8,164	2,893	11,057	..	
..	..	..	..	..	..	2,076	6,134	8,210	..	
..	..	..	1,000	1,290	2,290	1,916	3,354	5,270	..	Difference between the estimate sanctioned in G.O., No. 429 R., dated 15th August 1894 and the revised estimate (including Power House) now submitted.
..	..	..	1,835	4,700	6,535	58,998	37,194	96,192	..	
..	..	..	5,835	11,990	17,825	3,81,604	3,43,599	7,25,203	12,03,582	
..	..	..	..	..	..	400	7,550	7,950	..	
..	..	..	..	..	..	25,684	85,507	1,11,191	..	
..	..	..	..	..	..	1,240	5,760	7,000	..	
..	..	..	..	..	..	1,540	6,360	7,900	..	
..	..	..	..	..	..	47,436	3,20,564	3,68,000	..	
..	..	..	..	..	..	7,000	38,000	45,000	..	
..	..	..	..	2,620	2,620	..	..	..	..	Difference between the original estimate sanctioned in G.O., No. 624 R., dated 28th July 1896, Schedule A. and revised estimate submitted for this work.
..	..	..	..	2,620	2,620	82,900	4,56,191	5,39,091	..	
..	..	..	5,835	14,610	20,445	4,64,904	8,07,340	12,72,244	12,03,582	

SCHEDULE C OR CONSTRUCTION

BUDGET Estimate of Minor Works of the

WORKS—PART III.

Madras Railway for the official year 1898-99.

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 1896-97. Cash outlay in India.	Actual expenditure up to close of official year 1896-97. Value of stores.	Actual expenditure up to close of official year 1896-97. Total.	Probable expenditure during 1897-98. Cash outlay in India.	Probable expenditure during 1897-98. Value of stores.	Probable expenditure during 1897-98. Total.	Budget estimate of expenditure for official year 1898-99. Cash outlay in India.	Budget estimate of expenditure for official year 1898-99. Value of stores.	Budget estimate of expenditure for official year 1898-99. Total.	Estimated expenditure in future years.	Remarks.
			SANCTIONED WORKS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	
			ENGINEERING DEPARTMENT.														
			Bridgework.														
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	..	..	..	375	2,429	2,804	..	..	..	..	
	M.O.M. ..	28th Oct. 1896															
2	C.E. No. 3222..	15th ,, 1897.	Strengthening 2-64 feet girders by inserting central masonry piers at 307/17 miles, Nilgiri branch line.	817	213	1,030	..	..	..	817	213	1,030	..	..	..	..	
3	C.E. No. 3222 ..	15th ,, ,,	Strengthening 2-64 feet girders by inserting central masonry piers at 312/13 miles, Nilgiri branch line.	955	213	1,168	..	..	..	955	213	1,168	..	..	..	..	
4	C.E. No. 3222..	15th ,, ,,	Strengthening 2-64 feet girders by inserting central masonry piers at 314/10 miles, Nilgiri branch line.	996	213	1,209	..	..	..	996	213	1,209	..	..	..	..	
5	C.E. No. 3222..	15th ,, ,,	Strengthening 2-64 feet girders by inserting central mosonry piers at 142/10 miles, North-west line.	651	212	863	..	..	..	651	212	863	..	..	..	..	
6	C.E. No. 3222..	15th ,, ,,	Strengthening 2-64 feet girders by inserting central masonry piers at 232/3 miles, North-west line.	2,010	425	2,435	..	..	..	2,010	425	2,435	..	..	..	..	
7	C.E. No. 3222..	15th ,, ,,	Strengthening 2-64 feet girders by inserting central masonry piers at 232/10 miles, North-west line.	833	212	1,045	..	..	..	833	212	1,045	..	..	..	..	
8	G.O. No. 336 R.	11th May ,,	Restoration of bridge No. 251 at 107/10-11 miles.	3,851	..	3,851	..	..	..	11,887	2,352	14,239	..	..	..	..	
9	C.E. No. 3515..	17th Nov. ,,	Strengthening 4-64 feet girders at 313/12 miles, Nilgiri branch line.	2,733	425	3,158	..	..	..	733	425	1,158	2,000	..	2,000	..	
10	C.E. No. 3515..	17th Nov. ,,	Strengthening 4-64 feet girders at 321/13 miles, Nilgiri branch line	2,342	426	2,768	..	..	..	1,000	426	1,426	1,342	..	1,342	..	
11	C.E. No. 3515..	17th Nov. ,,	Strengthening 4-64 feet girders at 308/17 miles, Nilgiri branch line.	3,087	425	3,512	..	..	..	1,000	425	1,425	2,087	..	2,087	..	
			Stations and Buildings.														
			Ráyapuram.														
12	C.E. No. 997 ..	27th Mar. 1896.	Lengthening the engine turn-table at Rónigunta from 45 to 50 feet and fixing it at Ráyapuram.	1,223	262	1,485	..	..	..	1,223	262	1,485	..	..	..	..	
	M.O.M. ..	25th June 1897.															
13	C.E. No. 2733..	23rd Aug. 1897.	Re-arrangement of signals between Washermanpet and Ráyapuram.	130	1,825	1,955	..	..	..	130	1,825	1,955	..	..	..	..	
14	C.E. No. 2539..	4th ,, ,,	Substitution of larger level crossing gates at the Monegar Choultry.	564	506	1,070	..	..	..	564	506	1,070	..	..	..	..	
			Washermanpet.														
15	C.E. No. 2003..	16th June 1897.	Substitution of larger level crossing gate at Washermanpet.	644	608	1,252	..	..	..	644	608	1,252	..	..	..	..	
16	C.E. No. 2956..	11th Sept. ,,	Extension of platform at Washermanpet station on Ennur line side.	1,082	706	1,788	..	..	..	1,082	706	1,788	..	..	..	..	
17	C.E. No. 1134..	25th Mar. ,,	Inserting rubble drains through bank slopes from 2/0 to 3/5 miles, South-west line.	1,206	..	1,206	..	..	..	1,416	..	1,416	..	..	..	..	
			Perambúr Works.														
18	C.E. No. 2056..	23rd June 1896.	Additions and alterations to tyre shop at Perambúr Works.	1,606	715	2,321	623	241	864	983	474	1,457	..	..	..	..	
19	C.E. No. 1884..	22nd June ,,	Interlocking points and signals at west end of Perambúr Works.	247	2,899	3,146	..	1,185	1,185	247	1,714	1,961	..	..	..	..	
	M.O.M. ..	29th Sept. 1897.															
20	C.E. No. 1886..	5th June ,,	Proposed pattern loft under water tank iron foundry at Perambúr Works.	252	1,579	1,831	..	..	..	252	1,579	1,831	..	..	..	..	
21	C.E. No. 2598..	10th Aug. ,,	Examining pits in carriage lifting shed at Perambúr Works.	1,044	437	1,481	..	..	..	1,044	437	1,481	..	..	..	..	
22	C.E. No. 2954..	11th Sept. ,,	Line leading from timber yard into saw mills at Perambúr Workshop yard.	187	2,592	2,779	..	..	..	187	2,592	2,779	..	..	..	..	
			Arkónam.														
23	C.E. No. 500 ..	10th Feb. 1897.	Saw pit for engineering workshops at Arkónam.	940	617	1,557	..	..	..	857	700	1,557	..	..	..	..	
24	C.E. No. 2002 ..	16th June ,,	Timber shed in engineering workshops at Arkónam.	937	1,323	2,260	..	..	..	937	1,323	2,260	..	..	..	..	
			Arcot.														
25	C.E. No. 2728..	27th Aug. 1895.	Six houses for subordinate staff at Arcot.	805	429	1,234	..	..	..	805	429	1,234	..	..	..	..	
	M.O.M. ..	30th Sept. 1896.															
	M.O.M. ..	2nd Dec. ,,															

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.*			
			Stations and Buildings—cont.	Rs.	Rs.	Rs.
			Ambúr.			
26	C.E. No. 2802..	8th Sept, 1896.	Alterations and additions to station-house at Ambúr.	* 440	* 70	510
	M.O.M. ..	5th Aug. 1897.				
	M.O.M. ..	29th Sept. ,,				
			Gudupalli.			
27	C.E. No. 1887..	22nd June 1896.	Watering arrangement at Gudupalli ..	1,720	956	2,676
	C.E. No. 2113..	15th July ,,				
	M.O.M. ..	26th Aug. 1897.				
			Bisanatham.			
28	C.E. No. 318 ..	26th Jan. 1897.	Stationmaster and Assistant Station-master's house at Bisanatham.	1,246	914	2,160
	M.O.M. ..	29th Oct. ,,				
29	C.E. No. 1932..	10th June ,,	Four houses for subordinate staff of Traffic Department at Bisanatham.	749	466	1,215
			Bowringpet.			
30	C.E. No. 1806..	13th June 1896.	Locomotive siding at Bowringpet ..	944	1,386	2,330
	M.O.M. ..	26th Aug. 1897.				
31	C.E. No. 2955..	11th Sept. ,,	Signal arrangement at Bowringpet ..	316	2,725	3,041
32	C.E. No. 1174..	15th April 1896.	Removing and refixing engine turn-table	391	2,453	2,844
	M.O.M. ..	26th Aug. 1897.	and alterations of sidings at Bowringpet.			
33	C.E. No. 1534..	18th May 1896.	Third-class waiting room to be extended	† 1,536	905	2,441
	M.O.M. ..	29th Sept. 1897.	westwards to take in the present store			
	M.O.M. ..	29th Oct. ,,	room and fruit stall to be built beyond this at Bowringpet.			
			Bangalore Cantonment.			
34	C.E. No. 2021..	17th June 1897.	New engine turn-table 50 feet diameter in lieu of the existing one 40 feet diameter at Bangalore Cantonment.	816	1,576	2,392
			Bangalore City.			
35	C.E. No. 1257..	21st April 1896.	Constructing twelve huts for the Police force of the Civil and Military stations on the Bangalore Branch.	2,782	1,193	3,975
	M.O.M. ..	2nd Dec. ,,				
36	C.E. No. 24 ..	6th Jan. 1897.	Police station at Bangalore City ..	‡ 1,262	821	2,083
	M.O.M. ..	29th Oct. ,,				
37	C.E. No 2244..	8th July ,,	Store-room for Carriage Examiner at Bangalore City.	819	360	1,179
38	C.E. No. 680 ..	28th Feb. 1896.	Watering arrangement at 204-2 miles, South-west line.	§ 1,045	§ 113	1,158
	M.O.M. ..	30th Sept. ,,				
	M.O.M. ..	29th Sept. 1897.				
			Olavakkót.			
39	C.E. No. 1386..	23rd April 1897.	Proposed 30-ton weight bridge in lieu of the existing one at Olavakkót.	..	1,120	1,120
40	G.O., No. 10 R.	8th Jan. 1896.	Alterations and additions of sidings, &c.,	1,787	2,974	4,761
	M.O.M. ..	25th June 1897.	at west end of station at Olavakkót.			
			Palghat.			
41	C.E. No. 3999..	15th Dec. 1896.	Substitution of brick for mat walls for	1,410	70	1,480
	M.O.M. ..	29th Sept. 1897.	station-house and latrine at Palghat.			
			Tiruttani.			
42	C.E. No. 3265..	16th Oct. 1895.	Train-protecting bars at Tiruttani ..	‖ 142	1,017	1,159
	M.O.M. ..	27th Mar. 1896.				
	M.O.M. ..	29th Sept. 1897.				
			Puttúr.			
43	C.E. No. 98 ..	11th Jan. 1894.	Interlocking points and signals at Puttúr.	‖ 785	‖ 3,596	4,381
	C.E. No. 3170..	7th Oct. 1896.				
	M.O.M. ..	5th Aug. 1897.				
	M.O.M. ..	29th Oct. ,,				
			Renigunta.			
44	C.E. No. 3422..	6th Nov. 1897.	Thirty-ton weigh-bridge in lieu of the existing 18½ ton weigh-bridge at Renigunta.	128	1,189	1,317
			Cuddapah.			
45	C.E. No. 3696..	21st Nov. 1896.	Ash pits and water column at Cuddapah..	646	1,594	2,240
	M.O.M.	29th Sept. 1897.				
46	C.E. No. 435 ..	5th Feb. ,,	Thirty-ton weigh-bridge in lieu of the existing 18½-ton weigh-bridge at Cuddapah.	31	1,195	1,226
	M.O.M.	29th Oct. ,,				
			Kamalapuram.			
47	C.E. No. 3267..	20th Oct. 1897.	Extension of platform and diversion of road at Kamalapuram.	803	803	1,606
48	C.E. No. 1885..	5th June ,,	Proposed method of raising tank at Kamalapuram.	894	698	1,592
	M.O.M. ..	29th Oct. ,,				

Madras Railway for the official year 1898-99—*cont.*

Actual expenditure up to close of official year 1896-97. Cash outlay in India.	Value of stores.	Total.	Probable expenditure during 1897-98. Cash outlay in India.	Value of stores.	Total.	Budget estimate of expenditure for official year 1898-99. Cash outlay in India.	Value of stores.	Total.	Estimated expenditure in future years.	Remarks.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
428	69	497	Cr. 53	..	Cr. 53	..	..	..	..	* The alteration is due to a re-allocation which has been approved of but not recorded being under Rs. 500.
1,720	940	2,660	..	16	16	..	..	..	..	
151	205	356	936	521	1,457	..	..	..	..	
..	..	..	749	466	1,215	..	..	..	..	
3	..	3	..	1,072	1,072	..	..	..	..	
..	..	..	316	2,725	3,041	..	..	..	..	
81	557	638	..	1,139	1,139	..	..	..	..	
1,329	879	2,208	Cr. 48	25	Cr. 23	..	..	..	..	† The alteration is due to a re-allocation which has been approved of but not recorded being under Rs. 500.
..	..	..	816	1,576	2,392	..	..	..	..	
3,163	1,201	4,364	337	499	836	..	..	..	..	
..	194	194	1,162	617	1,779	..	..	..	..	‡ Work completed.
..	..	..	819	360	1,179	..	..	..	..	
1,041	109	1,150	..	Cr. 67	Cr. 67	..	..	..	..	§ Work completed.
..	..	..	..	1,120	1,120	..	..	..	..	
329	236	565	1,295	2,901	4,196	..	..	..	..	
502	35	537	908	35	943	..	..	..	..	
48	189	237	94	37	131	..	..	..	..	‖ The alteration is due to a re-allocation which has been approved of but not recorded being under Rs. 500.
599	2,828	3,427	186	768	954	..	..	..	..	
..	..	..	128	1,189	1,317	..	..	..	..	
155	210	365	491	1,384	1,875	..	..	..	..	
..	7	7	..	713	713	..	..	..	..	
..	..	..	803	803	1,606	..	..	..	..	
..	..	..	894	698	1,592	..	..	..	..	

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.			
			Mangapatnam.			
49	C.E. No. 1241 M.O.M.	3rd April 1897	Block cabin and Booking office, &c., at Mangapatnam.	*877	*300	1,177
50	C.E. No. 1957 ..	29th Oct. „ 11th June „	Two houses for Stationmaster and Assistant Stationmaster and three houses for Porters at Mangapatnam.	2,011	1,006	3,017
			Kondapuram.			
51	C.E. No. 1728..	21st May 1897.	Proposed extension of platform at Kondapuram.	701	319	1,020
52	C.E. No. 1295 ..	8th April 1897.	Fitting of Annet's locks to facing points North-west and South-west lines.	989	731	1,720
			Electric Telegraph.			
53	C.E. No. 4107..	22nd Dec. 1896.	Telephone circuit with two wires between Central station, Veyasarpady and Washermanpet Block houses, also two additional telephones, one for Rayapuram Block house and one for Washermanpet.	229	1,242	1,471
			Total, Engineering Department, carried to Schedule A.	55,016	51,483	1,06,499
			UNSANCTIONED WORKS.			
			ENGINEERING DEPARTMENT.			
			Bridge Work.			
1	..	..	Strengthening girders at 248/9 miles, North-west line.	1,856	425	2,281
2	..	..	Strengthening girders at 248/15 miles, North-west line.	947	212	1,159
3	..	..	Strengthening girders at 263/3 miles, North-west line.	1,618	425	2,043
			Stations and Buildings.			
			Central Station.			
4	..	..	Proposed reading-room at Central Station.	2,427	1,920	4,347
			Salt Cotaurs.			
5	..	..	Two houses for Carriage Examiner and gas-maker at Salt Cotaurs.	2,989	1,538	4,527
6	..	..	Two houses for Assistant Carriage Examiner and Assistant gas-maker at Salt Cotaurs.	1,561	957	2,518
7	..	..	Bungalow for Stationmaster at Salt Cotaurs.	2,157	1,737	3,894
8	..	..	Bungalow for Assistant Stationmaster at Salt Cotaurs.	1,880	1,570	3,450
9	..	..	Bungalow for Permanent-way Inspector at Salt Cotaurs.	2,157	1,737	3,894
			Perambúr Works.			
10	..	..	Louvre roof and ventilators to be put in erecting shop and fitting shop at Perambúr Works.	444	2,450	2,894
			Arkónam.			
11	..		Three houses for weigh-bridge fitter, Assistant Carriage Examiner and Assistant weigh-bridge fitter at Arkónam.	2,534	1,403	3,937
12	..	..	Bungalow for Permanent-way Inspector at Arkónam.	2,262	1,248	3,510
13	..	..	House for platform constable at Arkónam.	1,895	839	2,734
14	..	..	Depôt shed at Arkónam	2,553	501	3,054
			Munnal.			
15	..	..	Interlocking points and signals at Munnal.	223	2,246	2,469
			Katpadi.			
16	..	..	Godown for Messrs. Parry & Co. at Katpadi.	803	587	1,390
			Virinchipuram.			
17	..	..	Wooden palings for present wire fence and platform at Virinchipuram.	73	1,346	1,419

Madras Railway for the official year 1898–99—*cont.*

Actual expenditure up to close of official year 1896–97. Cash outlay in India.	Value of stores.	Total.	Probable expenditure during 1897–98. Cash outlay in India.	Value of stores.	Total.	Budget estimate of expenditure for official year 1898–99. Cash outlay in India.	Value of stores.	Total.	Estimated expenditure in future years.	Remarks.
RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	
..	..	..	877	300	1,177	..	..	..	..	* The alteration is due to a re-allocation which has been approved of but not recorded being under Rs. 500.
..	..	..	2,011	1,006	3,017	..	..	..	..	
..	..	..	701	319	1,020	..	..	..	..	
..	..	..	989	731	1,720	..	..	..	..	
110	117	227	119	1,125	1,244	..	..	..	..	
10,282	9,202	19,484	46,158	42,778	88,936	5,429	..	5,429	..	
..	..	..	..	..	..	1,856	425	2,281	..	
..	..	..	..	..	..	947	212	1,159	..	
..	..	..	..	..	..	1,618	425	2,043	..	
..	..	..	..	..	..	2,427	1,920	4,347	..	
..	..	..	..	..	..	2,989	1,538	4,527	..	
..	..	..	..	..	..	1,561	957	2,518	..	
..	..	..	..	..	..	2,157	1,737	3,894	..	
..	..	..	..	..	..	1,880	1,570	3,450	..	
..	..	..	..	..	..	2,157	1,737	3,894	..	
..	..	..	..	..	..	444	2,440	2,894	..	
..	..	..	..	..	..	2,534	1,403	3,937	..	
..	..	..	..	..	..	2,262	1,248	3,510	..	
..	..	..	..	..	..	1,895	839	2,734	..	
..	..	..	..	..	..	2,553	501	3,054	..	
..	..	..	223	2,000	2,223	..	246	246	..	In lieu of Sholinghur station.
..	..	..	..	..	..	803	587	1,390	..	
..	..	..	..	..	..	73	1,346	1,419	..	

Budget Estimate of Minor Works of the Madras Railway for the official year 1898-99—*cont.*

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 1896-97. Cash outlay in India.	Actual expenditure up to close of official year 1896-97. Value of stores.	Actual expenditure up to close of official year 1896-97. Total.	Probable expenditure during 1897-98. Cash outlay in India.	Probable expenditure during 1897-98. Value of stores.	Probable expenditure during 1897-98. Total.	Budget estimate of expenditure for official year 1898-99. Cash outlay in India.	Budget estimate of expenditure for official year 1898-99. Value of stores.	Budget estimate of expenditure for official year 1898-99. 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.														
			Mailpatti.														
18	..	..	Deepening and enlarging well and provide a hand pump at Mailpatti.	1,455	780	2,235	..	..	..	..	..	..	1,455	780	2,235	..	
			Mulanur.														
19	..	..	Extension of siding at Mulanur	477	2,912	3,389	..	..	..	..	..	..	477	2,912	3,389	..	
			Krishnarajapuram.														
20	..	..	House for stationmaster at Krishnarajapuram.	806	403	1,209	..	..	..	300	300	600	506	103	609	..	
			Bowringpet.														
21	..	..	Roof over goods platform at Bowringpet.	745	1,154	1,899	..	..	..	..	..	..	745	1,154	1,899	..	
22	..	..	Raising increasing capacity of loco. tank at Bowringpet.	2,879	30	2,909	..	..	..	..	..	..	2,879	30	2,909	..	
			Jalarpet.														
23	..	..	Double bungalow for family guards at Jalarpet.	3,218	1,563	4,781	..	..	..	500	700	1,200	2,718	863	3,581	..	
			Mullapuram.														
24	..	..	Catch siding at Mullapuram	3,900	900	4,800	..	..	..	..	..	..	3,900	900	4,800	..	
			Cauvery.														
25	..	..	House for Assistant Stationmaster at Cauvery.	630	407	1,037	..	..	..	200	300	500	430	107	537	..	
			Podanur.														
26	..	..	Double bungalow for family guards at	3,045	1,572	4,617	..	..	..	500	1,000	1,500	2,545	572	3,117	..	
			Tirupur.														
27	..	..	House for Stationmaster and Assistant Stationmaster at Tirupur.	1,112	959	2,071	..	..	..	112	400	512	1,000	559	1,559	..	
			Méttupálaiyam.														
28	..	..	House for Native Carriage Examiner at Méttupálaiyam.	642	525	1,167	..	..	..	..	..	..	642	525	1,167	..	
			Rénigunta.														
29	..	..	Watering arrangement to be improved at Thocock.	3,052	..	3,052	..	..	..	..	..	..	3,052	..	3,052	..	
			Nandalur.														
30	..	..	Carriage Examiner's house at Nandalur ..	1,767	826	2,593	..	..	..	..	..	..	1,767	826	2,593	..	
31	..	..	Double bungalow for signallers at Nandalur.	3,423	1,356	4,779	..	..	..	..	..	..	3,423	1,356	4,779	..	
			Gooty.														
32	..	..	Alterations and additions to station-house at Gooty.	1,679	929	2,608	..	..	..	..	..	..	1,679	929	2,608	..	
			Timmanacherla.														
33	..	..	Goods siding to be connected with main line on the north side of the yard at Timmanacherla.	952	2,775	3,727	..	..	..	..	..	..	952	2,775	3,727	..	
			Adóni.														
34	..	..	Alterations and additions to sidings ..	167	1,192	1,359	..	..	..	..	..	..	167	1,192	1,359	..	
			Raichur.														
35	..	..	Houses for inter-communication maistry and two train men.	755	373	1,128	..	..	..	..	..	..	755	373	1,128	..	
36	..	..	Siding required by Messrs. Best & Co. at Raichur.	150	1,097	1,247	..	..	..	..	..	..	150	1,097	1,247	..	
			Miscellaneous.														
37	..	..	Two trial stations	1,100	..	1,100	..	..	..	..	..	..	1,100	..	1,100	..	
			Electric Telegraph.														
38	..	..	Fixing lightning-conductors to the buildings at Bangalore City.	500	1,000	1,500	..	..	..	..	..	..	500	1,000	1,500	..	
			Total, Engineering Department, carried to Schedule B.	60,833	41,894	1,02,727	..	..	..	1,835	4,700	6,535	58,998	37,194	96,192	..	

Schedule D or Construction Works—Part IV.

Budget Estimate of Emergent Works of the Madras Railway for the official year 1898-99—*Nil.*

Schedule E.

Budget Estimate of Expenditure for Purchase of Stores for the Madras Railway during 1898-99.

Details.		Actual purchases during 1896-97.		Probable purchases during 1897-98.		Estimated purchases during 1898-99.	
		Quantity.	Amount.	Quantity.	Amount.	Quantity.	Amount.
In India.			Rs.		Rs.		Rs.
Firewood	Tons	89,594	4,42,802	96,000	4,76,960	95,000	4,52,000
Oil of sorts	..	..	1,32,321	..	1,38,000	..	1,32,600
Cotton, waste, &c.	lb.	89,423	7,733	73,200	6,840	73,500	7,000
Coal, Indian	Tons	41,686	5,76,343	36,360	4,95,700	36,000	4,86,000
Coke, do.	..	..	..	..	..	750	18,000
Wooden sleepers	..	..	24,363	..	25,000	..	25,000
Do. keys	..	..	16,388	..	15,000	..	15,000
Timber of all kinds	..	..	2,47,328	..	1,73,500	..	2,30,500
Materials for tarpaulins	..	..	..	..	4,000	..	3,000
Manufacture of stores	..	..	1,77,098	..	1,90,000	..	2,50,000
Freight and landing charges	..	..	37,988	..	50,000	..	50,000
Printing and stationery	..	..	93,833	..	70,000	..	70,000
Hardware (iron, steel, files, screws, &c.)	..	..	23,677	..	25,000	..	25,000
Sundry stores	..	..	2,82,221	..	2,50,000	..	2,50,000
Total	..	..	20,62,095	..	19,20,000	..	20,14,100
In England.							
Coke	..	..	..	..	..	..	..
Tyre, engine and tender	No.	680	18,613	1,000	15,000	250	6,000
Axles, do. do.	..	..	..	..	13,890	..	10,000
Wheels and axles carriage	No.	250	18,315	..	14,800	..	2,000
Machinery and tools	..	..	7,248	..	..	..	95,200
Iron and steel	Tons	215	30,610	..	20,788	..	10,000
Copper and brass	..	49	41,369	..	4,820	..	10,000
Materials for construction and renewals of rolling-stock	..	..	..	..	47,601	..	35,000
Automatic vacuum brake gear	..	..	15,692	..	1,02,749	..	1,61,100
Gas plant and fittings	..	..	39,252	..	57,992	200	55,000
Locomotive engines	..	..	10,938	..	40,302	..	46,000
Bridge materials	..	6	1,54,755	8	2,06,000	..	..
Permanent-way materials, &c.	..	..	..	..	5,200	..	25,000
Materials for tarpaulins	..	5,234	3,45,996	..	6,51,827	..	2,94,306
Telegraph stores	..	..	..	..	2,000	..	7,000
Sundry stores	..	..	17,425	..	16,165	..	4,985
Total	..	..	31,311	..	1,51,866	..	1,18,409
Total, Schedule E	..	..	7,31,524	..	13,51,000	..	8,80,000
	..	..	27,93,619	..	32,71,000	..	28,94,100

Memorandum.

	Rs.
Actual balance of stores on hand, 1st April 1897	26,94,077
Estimated purchases during 1897-98 as above	32,71,000
Total ...	59,65,077
Estimated issues during 1897-98	30,00,226
Estimated balances on 1st April 1898	29,64,851
Estimated purchases during 1898-99	28,94,100
Total ...	58,58,951
Estimated issues during 1898-99	36,91,736
Estimated balances on 1st April 1899	21,67,215

English Transactions.

	1898-99.
	Rs.
Indents to be sent home during the year	7,39,000
Add—for indents of previous year expected to be complied within official year	6,28,000
Add—English establishment charges	1,03,636
Total ...	14,70,636
Deduct—Amount of orders not expected to be complied with until next year	4,87,000
Net capital cash transactions in England	9,83,636

Schedule F.

Estimate of Traffic Receipts of the Madras Railway, 1898-99.

	Rs.
Number of miles open for traffic on 1st April 1897	840
Expected to be opened during 1897-98	...
Total on 1st April 1898 ...	840
Expected to be opened during 1898-99	...
Total likely to be opened at end of 1898-99	840
Average number of miles expected to be opened during the whole of 1898-99	840

—	Actuals in 1896-97.	Sanctioned budget estimate, 1897-98.	Revised estimate, 1897-98.	Budget estimate, 1898-99.
	Rs.	Rs.	Rs.	Rs.
Coaching traffic	45,46,792	46,00,000	46,00,000	46,00,000
Goods do.	62,66,154	61,20,000	65,00,000	62,00,000
Electric Telegraph earnings... ...	20,194	20,000	20,000	20,000
Sundries	1,92,687	1,60,000	1,60,000	1,60,000
Total ...	1,10,25,827	1,09,00,000	1,12,80,000	1,09,80,000
Train mileage	2,487,064	2,500,000	2,500,000	2,500,000

SCHEDULE G.

ESTIMATE of REVENUE EXPENDITURE on the MADRAS RAILWAY for the official year 1898-99.

—	Actuals in 1896-97.	Sanctioned budget estimate, 1897-98.	Revised estimate, 1897-98.	Budget estimate, 1898-99.
	RS.	RS.	RS.	RS.
Maintenance of Way, Works and Stations.				
1. General superintendence	2,51,880	2,50,000	2,50,000	2,50,000
2. Maintenance and renewal of permanent-way	5,33,835	5,00,000	4,75,000	5,00,000
3. Repairs of bridges, wages and materials ...	1,14,988	2,00,000	1,80,000	2,00,000
3-A. Conservancy of rivers	...	...	...	...
4. Repairs of stations and buildings, wages and materials	1,59,571	1,70,000	1,60,000	1,60,000
5. Maintenance by contract	...	...	...	...
6. New minor works	15,557	25,000	20,000	22,000
7. Unclassified expenditure	1,94,869	2,03,600	2,00,000	2,00,000
Total ...	12,70,700	13,48,600	12,85,000	13,32,000
Cost of working Kolar Gold Fields Railway	22,109	17,500	25,000	25,000
Total ...	12,48,591	13,31,100	12,60,000	13,07,000
Locomotive Expenses.				
1. General superintendence	1,37,705	1,41,500	1,36,122	1,39,260
2. Running expenses (wages connected with the working of locomotive engine) ...	3,49,140	3,50,000	3,54,885	3,50,000
3. Fuel	8,74,879	8,65,000	9,05,177	8,90,000
4. Water (including wages and stores) ...	30,921	35,000	37,699	38,000
5. Oil, tallow and other stores, &c., (expended on engines in work)	47,185	46,800	49,890	49,000
6. Maintenance and renewals of locomotive engines	5,09,223	5,10,000	5,34,514	5,30,000
6-A. Maintenance and renewals of machinery, tools and plant	15,175	14,000	15,359	15,000
7. New minor works	...	3,000	1,750	3,000
8. Payments to other lines	...	...	...	...
9. Unclassified expenditure	1,67,275	1,64,500	1,76,605	1,60,000
Total ...	21,31,503	21,29,800	22,12,001	21,74,260
Deduct cost of working Kolar Gold Fields Railway	31,206	30,300	38,567	40,000
Deduct cost of working Madras-Ennur line	11,880	12,100	13,156	13,000
Total ...	20,88,417	20,87,400	21,59,978	21,21,260

Estimate of Revenue Expenditure on the Madras Railway for the official year 1898-99—*cont.*

—	Actuals in 1896-97.	Sanctioned budget estimate, 1897-98.	Revised estimate, 1897-98.	Budget estimate, 1898-99.
	RS.	RS.	RS.	RS.
Carriage and Wagon Expenses.				
1. General superintendence	39,407	41,800	41,250	41,500
2. Repairs and renewals of vehicles	4,91,187	4,74,260	4,43,008	4,15,000
2-A. Do. do. of machinery, tools and plant	12,168	9,800	12,027	12,000
3. Cleaning carriages and wagons and oiling.	63,262	64,000	68,538	66,000
4. New minor works	...	...	...	...
5. Unclassified expenditure	60,201	60,000	54,307	52,000
Total ...	6,66,225	6,49,860	6,19,130	5,86,500
Deduct sum chargeable to Fire Insurance Fund	599	...	...	...
	6,65,626	6,49,860	6,19,130	5,86,500
Deduct cost of working Kolar Gold Fields Railway	9,118	8,570	11,157	10,000
	6,56,508	6,41,290	6,07,973	5,76,500
Deduct cost of working Madras-Ennur line	3,479	3,390	3,882	3,500
Total ...	6,53,029	6,37,900	6,04,091	5,73,000
Traffic Expenses.				
1. Salaries, wages, &c.	6,38,333	6,38,200	6,62,000	6,68,000
2. Fuel, lighting, water and general stores ...	1,05,128	90,000	80,000	80,000
3. Clothing	11,157	13,000	13,000	13,000
4. Printing, stationery and tickets	70,453	72,000	76,000	76,000
5. Charges for delivery and collection of goods, &c.	2,394	2,500	2,500	2,500
6. Miscellaneous expenses	4,306	5,500	5,500	5,500
7. Payments to other lines	23,210	15,000	15,000	15,000
8. Unclassified expenditure	14,583	18,000	18,000	18,000
Total ...	8,69,564	8,54,200	8,72,000	8,78,000
Deduct sum chargeable to Fire Insurance Fund	239	...	200	200
	8,69,325	8,54,200	8,71,800	8,77,800
Deduct cost of working Kolar Gold Fields Railway	12,284	11,920	13,000	13,000
	8,57,041	8,42,280	8,58,800	8,64,800
Deduct cost of working Madras-Ennur line	4,837	4,780	4,800	4,800
Total ...	8,52,204	8,37,500	8,54,000	8,60,000
General Charges.				
1. Home expenditure	72,226	75,000	75,000	75,000
2. Salaries of Indian management including offices	2,83,494	2,88,000	2,90,380	2,90,400
3. Police	38,368	38,000	39,000	39,000
4. Advertising (all advertisements of all departments)	5,367	6,000	6,000	6,000
5. Electric telegraph	1,44,377	1,64,700	1,59,060	1,68,600

Estimate of Revenue Expenditure on the Madras Railway for the official year 1898–99—*cont.*

—	Actuals in 1896–97.	Sanctioned budget estimate, 1897–98.	Revised estimate, 1897–98.	Budget estimate, 1898–99.
General Charges—cont.	RS.	RS.	RS.	RS.
6. Clearing accounts with other lines ...	...	...	...	...
7. Unclassified expenditure	54,724	55,000	55,000	55,000
Total ...	5,98,556	6,26,700	6,24,440	6,34,000
Deduct sum chargeable to Fire Insurance Fund	7,930	6,000	6,500	5,000
	5,90,626	6,20,700	6,17,940	6,29,000
Deduct cost of working Kolar Gold Fields Railway	8,322	8,780	10,000	10,000
	5,82,304	6,11,920	6,07,940	6,19,000
Deduct cost of working Madras-Ennur line	3,286	3,520	3,440	3,500
Total ...	5,79,018	6,08,400	6,04,500	6,15,500
Special and Miscellaneous Expenditure.				
1. Law charges	1,579	3,000	3,000	3,000
2. Compensation	2,079	2,500	2,500	*2,500
3. Rates and taxes (including municipal water rates)	23,560	24,500	24,500	24,500
4. Payments to other lines	657	6,700	6,700	6,700
5. Prizes for station gardens, &c.	478	1,000	1,000	1,000
6. Contribution to Railway Provident Institution	41,861	42,000	42,000	42,000
7. Miscellaneous	18,084	20,000	20,000	20,000
Total ...	88,298	99,700	99,700	99,700
Deduct sum chargeable to Fire Insurance Fund	446	...	...	...
	87,852	99,700	99,700	99,700
Deduct cost of working Kolar Gold Fields Railway	1,225	1,400	1,400	1,400
	86,627	98,300	98,300	98,300
Deduct cost of working Madras-Ennur line	488	600	600	600
Total ...	86,139	97,700	97,700	97,700

MADRAS,
21st December 1897.

T. WAKE,
for Chief Auditor.

L. S. MOSS,
Agent and Manager.

NOTE by the Examiner, Guaranteed Railway Accounts, on the Capital and Revenue revised and budget estimates of the Madras Railway for 1897–98 and 1898–99.

The following table shows a comparison between the budget estimates for 1897–98 and 1898–99 and the revised estimate for 1897–98 :—

Heads of account.	Actuals, 1896–97.	Budget estimate, 1897–98.	Revised estimate, 1897–98.	Budget estimate, 1898–99.	Revised estimate compared with budget estimate, 1897–98.		Budget estimate, 1898–99, compared with revised estimate, 1897–98.	
					More.	Less.	More.	Less.
INDIAN OUTLAY.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Capital.								
Total withdrawals	22,52,632	27,25,000	23,00,932	28,16,683	..	4,24,068	5,15,751	..
Total payments into treasury ..	25,83,210	27,00,000	28,00,000	28,00,000	1,00,000	..	..	..
Net demand ..	3,30,578	25,000	4,99,068	16,683	..	5,24,068	5,15,751	..
Revenue.								
Payments into treasury—								
Administrative earnings	1,10,25,827	1,09,00,000	1,12,80,060	1,09,80,000	3,80,000	..	..	3,00,000
Suspense	15,64,749	16,00,000	16,00,000	16,00,000	..	..	..	..
Total ..	1,25,90,576	1,25,00,000	1,28,80,000	1,25,80,000	3,80,000	..	..	3,00,000
Withdrawals from treasury—								
Working expenses	55,07,398	56,00,000	55,80,269	55,74,460	..	19,731	..	5,809
Suspense	15,92,501	16,00,000	16,00,000	16,00,000	..	..	..	..
Total ..	70,99,899	72,00,000	71,80,269	71,74,460	..	19,731	..	5,809
Net earnings ..	55,18,429	53,00,000	56,99,731	54,05,540	3,99,731	..	..	2,94,191
Net receipts ..	54,90,677	53,00,000	56,99,731	54,05,540	3,99,731	..	..	2,94,191
Surplus profits, Company's share ..	1,438	..	91,500	1,00,000	91,500	..	8,500	..
Contribution to Provident institution	29	..	10,500	11,000	10,500	..	500	..

REVISED ESTIMATE, 1897–98, COMPARED WITH BUDGET ESTIMATE FOR 1897–98.

Capital.

2. The decrease in withdrawals is made up as under :—

		RS.
(i)	Decrease in provision for works	3,76,561
(ii)	Do. do. for suspense miscellaneous	70,000
	Total ...	4,46,561
Less—		
(iii)	Increased provision for stores	22,493
	Net decrease ...	4,24,068

(*a*) The reduction on works is due to all works, except those considered absolutely necessary, having been postponed in accordance with the instructions of the Government of India.

(*b*) The decrease under suspense miscellaneous is due to work undertaken for other railways, &c., having been less than anticipated.

(*c*) The increase on stores is small and calls for no remarks.

(*d*) The proposed estimate of Rs. 23,00,932 provides, for cash expenditure of Rs. 2,22,000 for each of the months of February and March next, which does not appear too high, thus :—

	Rs.
Approximate expenditure to November 1897	14,33,000
Letters of credit for December 1897 and January 1898	4,25,000
Balance for expenditure in February and March 1898	4,42,932
Total ...	23,00,932

3. The increase of Rs. 1,00,000 in payments into treasury is wholly in connection with refunds other than those relating to stores. The estimate will probably be realized, as from information available the credits for the first eight months of the year are placed at Rs. 19,20,000, leaving Rs. 8,80,000 to be recovered during the remaining four months of the year, or a reasonable average of Rs. 2,20,000 per mensem.

Revenue.

4. (*a*) *Earnings.*—The increase of Rs. 3,80,000 is wholly in goods traffic, and is due to abnormally large movements of grain, owing to the famine in the north of India and in the northern districts of the Madras Presidency.

	Rs.
The actual and approximate earnings to end of December 1897 are	86,10,000
The actuals for the last three months of the previous official year amounted to	27,88,000
Total ...	1,13,98,000

But, as recent returns show a decline in the traffic in grain, and as the improvement in this traffic began during the latter part of 1896–97, it is unlikely that the earnings during the last quarter of that year will be realized in the corresponding period of 1897–98, and the estimate has therefore been placed at Rs. 1,12,80,000 only.

(*b*) No alteration is suggested in the estimate of suspense receipts.

(*c*) *Expenditure—Working expenses.*—The small decrease of Rs. 19,731 requires no explanation. Judging from the latest return of grants and from other information available, it is likely that the estimate will be worked up to.

(*d*) *Suspense withdrawals.*—As in the case of suspense receipts, no modification of this estimate is considered necessary.

(*e*) *Surplus profits and contribution to the Provident Institution.*—The provision made was sanctioned by the Government of India in letter, No. 504 A./R., dated 2nd October 1897, to meet the surplus profits, &c., due for the half-year ended June 1897, and against this the following payments have already been made :—

	Rs.
Surplus profits	86,000
Contribution to Provident Institution	10,200

But as surplus profits are expected for the second-half of the calendar year 1897, and, as the further sum due to the Company in connection with the transactions for the first-half of 1897 will be included in the accounts for the succeeding half-year and paid in 1898–99, the provision for surplus profits should be reduced from Rs. 91,500 to Rs. 86,000.

5. *Expenditure in England.*—The provision has been increased from Rs. 11,93,000 to Rs. 14,54,636, and is based on the latest advices from the Board of Directors.

Budget Estimate, 1898–99, compared with Revised Estimate, 1897–98.

Capital.

6. (*a*) The increase on works is due to the withdrawal of the orders restricting expenditure, and to provision being made for the following large works :—

	Rs.
Alterations, &c., Bangalore City station	51,608
46 third-class carriages	26,510
5 bogie composite carriages 5 bogie third-class carriages }	35,850
Branch line from Washermanpet to Salt Cotaurs	30,000
Junction arrangements at Salt Cotaurs in connection with the East Coast Railway	40,000
Extension of Perambur Workshops	30,000

The increase of about Rs. 1,00,000 on stores is chiefly due to provision being made for larger purchases of timber, and to an increase in manufacture of stores.

(*b*) The estimate of payments into treasury has been placed at the same figure as in the revised estimate.

Revenue.

7. The earnings have been reduced by Rs. 3,00,000, as the abnormal traffic in grain is unlikely to continue during 1898–99. Both the suspense receipts and withdrawals are placed at the same figure as in the revised estimate.

The provision for working expenses differs very slightly from the revised estimate, and needs no explanation.

The estimate for surplus profits, &c., provides for payment of the arrears appertaining to June 1897 half-year, and of the amount claimable by the Company from surplus profits likely to be realized during half-years ending December 1897 and June 1898.

8. *Expenditure in England.*—The decrease of Rs. 4,71,000 arises on the following items of stores :—

	Rs.	Rs.
Coke	9,000	
Tyres, engine and tender	3,890	
Axles, do.	12,800	
Machinery and tools	10,788	
Copper and brass	12,601	
Automatic vacuum brake-gear	2,992	
Locomotive engines	2,06,000	
Permanent-way material, &c.	3,57,521	
Telegraph stores	11,180	
Sundry stores	33,457	
		6,60,229
Less—		
Increases on—		
Wheels and axles—carriage	95,200	
Iron and steel	5,180	
Material for construction and renewal of rolling-stock.	58,351	
Gas plant and fittings	5,698	
Bridge material	19,800	
Material for tarpaulins	5,000	
		1,89,229
Net decrease ...		4,71,000

E. A. WALLER, Major, R.E.,
Examiner, Railway Accounts.

500—26-6-97.

Consg. Engr.'s No. 21.

Office of the Consulting Engineer for Railways,

Madras, 3rd January 1898

Regr. No. 4
3 JAN 1898
Enclosures.....
RAILWAY ACCOUNTS, MADRAS.

No. 3

OFFICE NOTE.

Madras Railway Budget 1898-99

~~Letter from the Agent,~~ ~~Railway, No.~~

~~dated~~ ~~189~~, forwarded to the Examiner of Railway Accounts. For favour of remarks.

F. Foulkes

for E. R.

EXAMINER'S REPLY.

Please see note attached.

6.1.98.

E. Wallace

6.2

12

Note by the Examiner Guaranteed Railway Accounts on the Capital and Revenue Re-vised and Budget Estimates of the Madras Railway for 1897-98 and 1898-99.

1. The following table shows a comparison between the Budget Estimates for 1897-98 and 1898-99 and the Revised Estimates for 1897-98.

Heads of Account	Actuals 1896-97.	Budget Estimate 1897-98	Revised Estimate 1897-98	Budget Estimate 1898-99.	Revised Estimate Compared with Budget Estimate 1897-98.		Budget Estimate 1898-99 Compared with Revised Estimate 1897-98	
					More	Less.	More	Less.
	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs
Indian Outlay								
Capital								
Total Withdrawals	2252632.	2725.000	2300.932.	2816.683	...	424068	515751	...
Total payments into Treasury	2583.210	2700.000	2800.000	2800.000	100.000	...	...	...
Net Demand.	330.578	25.000	499.068	16.683	...	524068	515751	...
Revenue.								
Payments into Treasury —								
Administrative Earnings -	11025827	10000000	11280.000	10980.000	380000	-	-	300
Suspense - - - - - -	1564749	1600000	1600000	1600000	-	-	-	-
Total	12590576	12500000	12880.000	12580.000	380000	-	-	300
Withdrawals from Treasury								
Working expenses —	5507398	5600000	5580269	5574460	-	19731	-	5
Suspense - - - - -	1592501	1600000	1600000	1600000	-	-	-	-
Total —	7099899	7200000	7180269	7174460	-	19731	-	5
Net Earnings - - - -	5518429	5300000	5699731	5405540	399731	-	-	294
Net Receipts - - - -	5490677	5300.000	5699731	5405540	399731	-	-	294
Surplus Profits Govt Share	1438	-	91500	180.000	91500	-	25000	-
Contributions to Provident Institutions —	29	-	10500	11.000	10500	-	500	-

Revised Estimate 1897-98 compared with Budget Estimate for 1897-98.

Capital

2. The decrease in withdrawals is made up as under:—

	Rs
(i) Decrease in provision for works	376561
(ii) — do — for suspense miscellaneous	70000
Total	346561
Less (iii) Increased provision for stores	22493
Net decrease	474068

(a) The reduction on works is due to all works, except those considered absolutely necessary, having been postponed in accordance with the instructions of the Government of India /

(b) The decrease under suspense miscellaneous is due to work undertaken for other railways etc having been less than anticipated /

(c) The increase on stores is small, and calls for no remarks — /

(d) The proposed estimate of Rs 2300932 provides for cash expenditure of Rs 222000 for each of the months of February and March next, which does not appear too high — thus —

	Rs
Approximate expenditure to November 1897	1433000
Letters of credit for December 97 + Jany 1898	425000
Balance for expenditure in February and March 1898	442932
Total	2300932

3. The increase of Rs 100000 in payments into Treasury is wholly in connection with refunds other than those relating to stores — the estimate will probably be realized, as from information available, the credits for the first eight months of the year are placed at Rs 1920000, leaving Rs 880000 to be recovered during the remaining four months of the year, or a reasonable average of Rs 220000 per mensem —

Revenue

4 (a) Earnings — The increase of Rs 380000 is — wholly in goods traffic, and is due to abnormally large movements of grain, owing to the famine in the north of India and in the Northern Districts of the Madras Presidency. The actual and approximate earnings to end of December 1897 are — Rs 8616000
The actuals for the last three months of the previous official year amounted to — — — — 2788000
Total — 11398000

But as recent returns show a decline in the traffic in grain, and as the improvement in this traffic began during the latter part of 1896-97, it is unlikely that the earnings during the last quarter of that year will be realized in the corresponding period of 1897-98, and the estimate has therefore been placed at Rs 11280000 only —

(b) No alteration is suggested in the estimate of Suspense receipts

(c) Expenditure - Working expenses -

The small decrease of Rs 19731 requires no explanation - Judging from the latest returns of grants, and from other information available, it is likely that the estimate will be worked up to -

(d) Suspense withdrawals - As in the case of Suspense Receipts no modification of this estimate is considered necessary -

(e) Surplus profits and Contributions to the Provident Institution - The provision made was sanctioned by the Government of India in letter No- 504 A/K dated 2nd October 1897 to meet the Surplus profits etc due for the half year ended June 1897 and against this the following payments have already been made: —

Surplus Profits - - - - -	Rs 86,000
Contribution to Provident Institution -	" 10,200

but as Surplus profits are expected for the second half of the Calendar year 1897 and as the further sum due to the Company in connection with the transactions for the first half of 1897 will be included in the accounts for the succeeding half-year and paid in 1898-99, the provision for Surplus profits should be reduced from Rs 91,500 to Rs 86,000 -

5. Expenditure in England - The provision has been increased from Rs 11,93,000 to Rs 14,54,636, and is based on the latest advices from the Board of Directors -

Budget Estimate 1898-99 Compared with Revised Estimate 1897-98 -

Capital

6 (a). The increase on works is due to the withdrawal of the orders restricting expenditure, and to provision being made for the following large works —

	Rs
Alterations etc Bangalore City Station -	51,608
46 III class Carriages - - - - -	26,510
5 Bogie Composite Carriages 5 — do — III class — do — } - - -	35,850
Branch line from Washermanpet to Salt Cotaurs - - - - - -	30,000
Junction arrangements at Salt Cotaurs in connection with the East Coast Railway - - - - -	40,000
Extension of Perambur Workshops -	30,000

The increase of about Rs 100,000 on stores is chiefly due to provision being made for larger purchases of timber, and to an increase in manufacture of stores -

(b) The estimate of payments into Treasury has been placed at the same figure as in the revised estimate -

Revenue

6. The earnings have been reduced by Rs 3,00,000, as the abnormal traffic in grain is unlikely to continue during 1898-99 - Both the Suspense Receipts and withdrawals are placed at the same

same figure as in the revised estimate.

The provision for working expenses differs very slightly from the Revised Estimate, and needs no explanation.

The estimate for Surplus Profits etc provides for payment of the arrears appertaining to June 1897 half year, and of the amount claimable by the Company from Surplus profits likely to be realized during half-years ending December 1897 and June 1898.

17. Expenditure in England. - The decrease of Rs 47,000 arises on the following items of stores: —

	Rs	Rs
Coke - - - - - - - - -	9000	
Types engine and Tender -	3890	
Axles —— do ——	12800	
Machinery and Tools - - -	10788	
Copper and Brass - - - -	12601	
Automatic Vacuum Brake gear	2992	
Locomotive Engines - - -	206000	
Permanent way material etc -	357521	
Telegraph Stores - - - - -	11180	
Sundry Stores - - - - -	33457	660229
Less		
Increases on —		
Wheels and axles - Carriage	95200	
Iron and Steel - - - - -	5180	
Material for Construction and renewal of Rolling Stock —	58351	
Gas plant and fittings —	5698	
Bridge material - - - - -	19800	
Material for Tarpaulins -	5000	189229
Net decrease		471000

E Wallace
C.R

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Form No. 3.

PUBLIC WORKS DEPARTMENT.

RAILWAY BRANCH.

Pr No. 51. Rly 6/1898.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following

Letter from the Secretary M. E. No. 1167 of 21st Dec. 1897

ORDERED that the Preliminary open of the Revised and Budget estimates of the Madras Railway (Capital and Revenue) for the years 1897-98 and 1898-99 together with a note thereon by the Examiner of Railway Accounts, be forwarded to the Govt of India.

To The Agent Secretary M.R.
" Examiner of Ry Accts
" Consulting Engineer for Rys

By 28/1/98

M. E. No. 52. R dt 6th January 1898.

To

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

Sir

I am directed to forward herewith the Preliminary open of the Revised Budget estimates of the Madras Rys (Capital & Revenue) for the years

year 1897-98 and 1898-99 together
with a note thereon by the
Examiner of Railway Courts
Encls.

YDf
DR
6 X-1-98

Finds Copies dep'd 27-1-98

X
6/1/98