

Public Works (1893) Department.

RAILWAY BRANCH.

G.O., No. 1271 · R

DATED 5th October

[Despatch Abstract.]

Booga and Cheyair Bridges

Sanction accorded by the Government of India to the revised estimate of Rs 31,165 and Rs 11,24,683 for strengthening the weak girders of the — respectively on the Northwest line, Madras Railway, communicated to the Agent and Manager, Madras Railway.

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.
	2601	R	4-11-92				
	1160	R	29-8-93				

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.
	~~1271~~		~~5-10-93~~				

5TH OCTOBER 1893, No. 1271 R., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Railway.

Read the following paper :—

From the Under Secretary to the Government of India, Public Works Department (Railway Construction), to the Joint Secretary to the Government of Madras, Public Works Department, Railway Branch, dated Simla, 20th September 1893, No. 952 R.C.

I am directed to acknowledge receipt of your letter No. 1161 R., dated the 29th August 1893, and in reply to convey the sanction of the Government of India to the revised estimates therewith received, amounting to Rs. 31,155 and Rs. 1,24,683, for strengthening the weak girders of the Booga and Cheyair bridges respectively on the North-west line, Madras Railway.

2. These sanctions which supersede those previously accorded in this office letters Nos. 1179 and 1206 R.C., dated respectively the 21st and 27th October 1892, are chargeable in the following proportions :—

Booga bridge—									
Capital	...	...	...	...	...	...	...	...	Rs. 30,903
Revenue	...	...	...	...	...	...	...	...	252
Cheyair bridge—									
Capital	...	...	...	...	...	...	...	...	1,22,792
Revenue	...	...	...	...	...	...	...	...	1,961

and have been registered as Nos. 3 and 4, Madras Railway, of 1893.

ORDER—dated 5th October 1893, No. 1271 R., Public Works.

Communicated to the Agent and Manager, Madras Railway, with reference to Proceedings No. 1160 R., dated 29th August 1893.

2. These sanctions have been registered as No. 17 R. of 1893-94 and are in supersession of the sanctions registered as Nos. 31 and 33 R. in G.O., Nos. 2601 and 2643 R., dated 4th and 7th November 1892.

(True Extract.)

Joint Secy, to Govt., P.W.D.,
Railway Branch.

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

For C. A. Maniammay.
Spare Copies

RAILWAY.

Govt. of {1893} Madras.
PUBLIC WORKS..

Luted October, 5th.

Recd.

Encl.

G.O., 5th Oct. 1893, No. 1271 R.

OCTOBER.

Booga and Cheyair Bridges

Sanction accorded by the Government of India to the revised estimate of Rs. 31,155 and Rs. 1,24,683 for strengthening the weak girders of the — respectively on the North-west line, Madras Railway, communicated to the Agent and Manager, Madras Railway.

All communications
should be addressed to
the Secretary.

No. 952 R. C.

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.

RAILWAY Construction.

To

The Joint Secretary to the Government of Madras,
(Railway Branch), Public Works Department.

Simla, the 20th September 1893.

Sir,

I am directed to acknowledge receipt of your letter No. 1161 R dated the 29th August 1893 and in reply to convey the sanction of the Government of India to the revised estimates, therewith received, amounting to Rs. 31,155 and Rs. 1,24,683 for strengthening the weak girders of the Booga and Cheyair bridges respectively on the North West line, Madras railway.

2. These sanctions, which supersede those previously accorded in this office letters Nos. 1179 and 1206 R.C. dated respectively the 21st and 27th October 1892, are chargeable in the following proportions:-

Booga bridge, Capital.....30,903.

Revenue..... 252.

Cheyair bridge, Capital.....1,22,722

Revenue..... 1,961.

and have been registered as Nos. 3 and 4 Madras railway of 1893.

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

Under Secretary.

Documents accompanying:-
Nil.

A.S.

Recd: 29. 9. 93

A

No. 1271 R 3 5th Oct 1893.

Communicated to the
Agent & Manager Madras
Railway with reference to
Progs: No. 1160 R 3 29th Aug
1893.

These cautions have been registered as
No. 17 R 3 1893-94 and are in supervision of
the Madras Railway as No. 31 and 33 R in O. S. No. 260,
22643 R 3 4th 1892 J.M.L.

R

DESPATCHED

To The Agent & Manager Madras Railway
By Mr G. R. G. Ry. Secy

24/5

No. E309
931

MADRAS RAILWAY.

AGENT AND MANAGER'S OFFICE,

MADRAS, 23rd October 1893

From

The Agent and Manager,

To

M. R. Co.,

The Consulting Engineer for Railways.

Madras.

Sir,

24/10

I have the honour to point out that, in
G. O. No. 1271 d. dated the 5th instant, the capital portion
of the revised Estimate for strengthening the weak
girders of the Cheyair Bridge is given as Rs. 122,792. But
this would appear to be a clerical error for Rs. 122,722,
the total of the Estimate and the Revenue portion
being correctly shown in the order above quoted.
(Vide also my letter No. 1661 of 29th July 1893).

I have the honour to be,

Sir,

Your most obedient servant,

The Station having already
been closed

25/10

[Signature]
Agent & Manager.

24/10

24/10

OFFICE OF THE CONSULTING ENGINEER FOR RAILWAYS,

Madras, 24th October 1893.

To

AGENT AND MANAGER, M. R.

No. 830 Reply No. , dated

Sir,

I have the honor
to request that the following
Correction may be made in
para 2 of letter No. 952. P.C. 9
for the Govt of India
20 September 1893. Printed letter
No. 1271. P. 7 5.10.93.—

Under "Cheyair Bridge", against
"Capital For 1,22,792 Read 1,22,722."

Yours
24/10

Wm. R. Jones

Madras
24-10-93

W. R. Jones
24/10

Reminders.

The error was made
in the Press 609/100

W. R. Jones
24/10

MADRAS RAILWAY

From

The Agent and Manager,

M. R. Co.,

To

The Consulting Engineer

for Railways.

Dated

189

Recd.

1123

FINAL ISSUE.

BUDGET ESTIMATE

OF THE

MADRAS RAILWAY

FOR THE YEAR

1893-94.

CAPITAL ACCOUNT.

ABSTRACT OF ESTIMATED CASH EXPENDITURE IN INDIA ON THE MADRAS RAILWAY for the official year 1893-94.

Particulars.	Actuals for 1891-92.	Budget estimate for 1892-93.	Revised estimate for 1892-93.	Budget estimate for 1893-94.
CAPITAL OUTLAY.				
<i>Engineering Department.</i>				
Sanctioned works as per schedule A ...		2,90,079	2,73,387	87,853
Works to be sanctioned do. B ...		4,22,512	...	2,78,677
<i>Locomotive Department.</i>				
Sanctioned works as per schedule A ...	4,67,047	...	...	5,800
Works to be sanctioned do. B ...	...	8,400	...	...
<i>Carriage and Wagon Department.</i>				
Sanctioned works as per schedule A ...	...	3,310	9,916	3,435
Works to be sanctioned do. B ...	...	11,700	...	4,422
<i>General.</i>				
Establishment chargeable to Capital as per general estimate of establishment D ...	...	...	...	...
Stores as per schedule E ...	15,50,553	15,58,999	13,61,697	15,14,813
Miscellaneous ...	4,020	6,000	5,000	5,000
Total ...	20,21,620	23,00,000	16,50,000	19,00,000
Add increase in balance of Capital Advance Account ...	58,497	...	...	...
Total Withdrawals on Capital Account ...	20,80,117	23,00,000	16,50,000	19,00,000
<i>Receipts to be credited to Capital Account.</i>				
Share capital paid in India ...	...	...	...	...
Refunds on account of stores sold to Revenue and others ...	20,00,731	18,00,000	19,00,000	20,00,000
Refunds of receipts from Revenue for work done ...	...	...	...	...
Other refunds—				
Home expenditure, &c. ...	3,25,908	3,50,000	2,75,000	3,50,000
Total payments in treasury on Capital Account.	23,26,639	21,50,000	21,75,000	23,50,000
Net Cash Demand of the year on Capital Account ...	2,46,522	1,50,000	5,25,000	4,50,000
ENGLAND.				
<i>Purchase of Stores.</i>				
Indents to be sent home during the year ...	...	13,34,400	5,80,000	10,90,123
Previous indents to be complied with ...	...	1,65,588	6,41,000	6,22,000
Total ...	...	14,99,988	12,21,000	17,12,123
Deduct for indents estimated to be complied with in the following year ...	...	5,36,988	6,22,000	3,47,123
Total Outlay for Stores ...	13,99,026	9,63,000	5,99,000	13,65,000
<i>Home Expenditure and Payments.</i>				
Home expenditure ...	...	70,000	70,000	70,000
Furlough and sick leave allowances ...	1,25,622	30,000	25,000	30,000
Family and sundry payments less receipts ...	...	50,000	35,000	40,000
Total Home Expenditure and Payments ...	1,25,622	1,50,000	1,30,000	1,40,000
Total, Cash Demand in England ...	15,24,648	11,13,000	7,29,000	15,05,000

REVENUE ACCOUNT

ABSTRACT OF ESTIMATED REVENUE RECEIPTS AND EXPENDITURE OF THE MADRAS RAILWAY for the official year 1893-94.

Particulars.	Actuals for 1891-92.	Budget estimate for 1892-93.	Revised estimate for 1892-93.	Budget estimate for 1893-94.
RECEIPTS AS PER SCHEDULE F.				
Coaching traffic ...	36,13,794	38,00,000	38,60,000	38,60,000
Goods do. ...	56,48,989	56,20,000	57,10,000	57,10,000
Electric Telegraph Earnings ...	20,129	20,000	20,000	20,000
Sundries ...	1,72,651	1,60,000	1,60,000	1,60,000
Total (1) ...	94,55,563	96,00,000	97,50,000	97,50,000
Receipts on account of traffic appertaining to other lines ...	8,54,042	8,00,000	8,50,000	9,00,000
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) ...	1,03,09,605	1,04,00,000	1,06,00,000	1,06,50,000
EXPENDITURE AS PER SCHEDULE G.				
Maintenance of way, works and stations ...	13,42,605	13,25,000	15,10,000	14,50,000
Locomotive expenses ...	21,39,269	19,49,700	19,30,000	19,50,000
Carriage and wagon expenses ...	4,83,052	6,37,500	4,85,000	5,00,000
Traffic expenses ...	8,63,037	8,40,000	8,40,000	8,40,000
General charges ...	5,54,144	5,97,800	6,34,000	5,52,000
Special and miscellaneous expenditure ...	1,07,288	50,000	1,01,000	1,08,000
Total (3) ...	54,89,415	54,00,000	54,00,000	54,00,000
Payments to other lines for their proportion of through traffic, &c. ...	8,41,078	8,00,000	8,50,000	9,00,000
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) ...	63,30,493	62,00,000	62,50,000	63,00,000
Net earnings (1) — (3) ...	39,66,148	42,00,000	43,50,000	43,50,000
Net receipts (2) — (4) ...	39,79,112	42,00,000	43,50,000	43,50,000
Surplus profits ...	...	...	...	...

SCHEDULE A OR CONSTRUCTION
BUDGET ESTIMATE OF SANCTIONED 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.
			Bridge Work.			
1	G.O., No. 773 R.	18th Oct. 1886.	New bridge over the Tipagbni river ..	4,21,290	5,65,852	9,87,142
2	G.O., No. 932 R.	13th Dec. "	Strengthening existing girders and fixing new girders, &c., Cheyar bridge ..	25,761	79,264	1,05,025
3	G.O., No. 2643 R.	7th " "	Strengthening the weak girders of the Booga bridge in the 163rd mile, North-west line ..	7,063	18,574	25,637
3A	C.E., No. 1005.	16th " "	Substituting stronger girders and new type of permanent-way for those at present on the Thootha bridge, South-west line.	5,686	45,614	51,300
	G.O., No. 14 R.	9th Jan. 1893.				
			STATIONS AND BUILDINGS.			
			Perambur.			
4	M.O.M.	24th Feb. 1893.	Alteration to level-crossing at Perambur ..	17,121	1,342	18,463
5	G.O., No. 1337 R.	26th May 1892.	Alterations and additions to Perambur station ..	8,615	1,989	10,604
	G.O., No. 907 R.	16th April 1891.				
			Perambur Works.			
6	G.O., No. 2153 R.	18th Sept. 1891.	Bungalow for Assistant Locomotive Superintendent at Perambur Works ..	6,842	4,164	11,006
7	G.O., No. 2939 R.	6th Dec. "	Four sheds at west end of Perambur Works ..	4,094	7,271	11,365
			Connur.			
8	G.O., No. 2068 R.	25th Aug. 1892.	Relief siding at Connur ..	2,872	3,693	6,565
			Manur.			
9A	G.O., No. 133 R.	20th Jan. 1893.	Platform at Manur ..	3,731	1,335	5,066
			Arkonam.			
9	M.O.M.	30th Jan. 1893.	Alterations of siding, &c., at Arkonam ..	13,840	6,179	20,019
10	G.O., No. 1643 R.	17th July 1891.	Assistant Traffic Manager's bungalow at Arkonam ..	6,119	1,680	7,799
	M.O.M.	30th Sept. 1892.				
			Katpadi.			
11	M.O.M.	30th June 1892.	Junction arrangements at Katpadi ..	80,176	50,420	1,30,596
	Do.	25th Aug. "				
	Do.	28th Oct. "				
12	G.O., No. 2609 R.	3rd Nov. 1891.	Watering arrangements at Katpadi ..	7,342	3,453	10,795
13	M.O.M.	26th Feb. 1892.	Double bungalow for engine-drivers at Katpadi ..	2,940	1,270	4,210
			Bangalore City.			
14	G.O., No. 2821 R.	23rd Nov. 1892.	Extension of goods-shed and loading bank at Bangalore City ..	4,327	6,099	10,426
15	C.E. No. 1055.	2nd Dec. "	Houses for the traffic subordinates (Sandakote buildings) at Bangalore City ..	11,692	775	12,467
	G.O., No. 2427 R.	12th Oct. "				
			Gudupalli.			
16	G.O., No. 1841 R.	10th Aug. 1891.	Platform and through siding for crossing station at Gudupalli ..	2,800	6,500	10,300
			Mullanur.			
17	G.O., No. 1495 R.	30th June 1891.	Two additional lay-bye at Mullanur ..	2,194	5,347	8,541
			Jalarpet.			
18	G.O., No. 2374 R.	6th Oct. 1892.	Watering arrangements at Jalarpet ..	1,505	8,161	9,666
19	G.O., No. 2991 R.	12th Dec. "	Third line goods-shed lay-bye, goods godown and loading bank at Jalarpet ..	7,151	7,696	14,847
	C.E. No. 1098.	14th " "				
			Kalladi.			
20	G.O., No. 1191 R.	7th May 1892.	Through siding at Kalladi ..	2,762	5,362	8,124
	M.O.M.	24th Feb. 1893.				

ACTUAL EXPENDITURE UP TO CLOSE OF OFFICIAL YEAR 1891-92.			PROBABLE EXPENDITURE DURING 1892-93.			BUDGET ESTIMATE OF EXPENDITURE FOR OFFICIAL YEAR 1893-94.			Estimated expenditure in future years.	Number of items.
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.	
1,81,054	5,34,026	7,65,080	42,016	29,910	71,926	..	..	..	..	1
..	..	..	6,761	9,264	16,025	20,000	70,000	90,000	..	2
..	..	..	2,000	8,000	10,000	5,083	10,574	15,657	..	3
..	..	..	..	..	..	5,686	45,614	51,300	..	3a
12	84	96	17,105	1,258	18,363	..	..	..	..	4
8,292	1,965	10,257	48	..	48	..	..	..	..	5
..	1,264	1,264	1,800	2,600	4,400	5,042	300	5,342	..	6
2,641	6,690	9,331	1,453	680	2,133	..	..	..	..	7
..	..	..	2,300	2,693	4,993	672	1,000	1,672	..	8
..	..	..	3,548	1,200	4,748	183	135	318	..	8a
8,935	978	9,913	4,905	5,301	10,106	..	..	..	..	9
672	665	1,337	5,247	1,015	6,262	..	..	..	..	10
74,658	50,737	1,25,395	5,081	..	5,081	..	..	..	..	11
324	1,441	1,765	7,018	2,012	9,030	..	..	..	..	12
3,908	1,269	5,177	6	..	6	..	..	..	..	13
1,803	5,971	7,774	2,524	128	2,652	..	..	..	..	14
..	..	..	11,000	600	11,600	893	175	1,068	..	15
2,765	4,124	7,889	35	1,482	1,517	..	..	..	..	16
1,106	3,974	5,079	921	890	1,811	..	..	..	..	17
..	..	..	1,200	6,000	7,200	305	2,161	2,466	..	18
..	..	..	..	..	..	7,151	7,696	14,847	..	19
..	..	..	2,289	5,835	8,124	..	..	..	..	20

Budget Estimate of Sanctioned Works of the

Number of items.	SANCTIONS.		Particulars.	AMOUNT OF ESTIMATE.		
	Number.	Date.		Cash outlay in India.	Value of stores.	Total expenditure.
			STATIONS AND BUILDINGS—cont.	Rs.	Rs.	Rs.
			Salem.			
21	M.O.M. ..	26th Feb. 1891.	{ Watering arrangements at Salem .. Extension of goods-shed, &c., at Salem ..	2,619	22,118	24,737
	Do. ..	25th Aug. "		2,646	4,556	7,202
22	Do. ..	28th July "				
			Singánallur.			
23	G.O., No. 1169 R.	11th Aug. 1890.	{ Station-house, &c., at Singánallur .. Pódanur.	5,491	5,461	10,952
	M.O.M. ..	25th " 1892.				
24	G.O., No. 2283 R.	14th Oct. 1891.		Alteration and additions of sidings ..	4,804	5,183
25	G.O., No. 2165 R.	7th Sept. 1892.	Alteration and addition of sidings at Pódanur ..	755	4,764	5,519
26	G.O., No. 652 R.	11th Mar. "	Travellers' bungalow with out-houses and land at Pódanur ..	6,001	..	6,001
			Mittupálaiyam.			
27	G.O., No. 2575 R.	11th Nov. 1892.	{ Alterations and additions in connection with the junction of the Nilgiri Railway with the Madras Railway at Mittupálaiyam .. Olavakod.	14,973	7,791	22,763
	C.E., No. 1062.	5th Dec. "				
28	M.O.M. ..	30th Jan. 1893.		Sidings, &c., at Olavakod ..	4,469	6,002
	C.E., No. 735 ..	14th Aug. 1891.				
	G.O., No. 1791 R.	6th " "				
			Palghat.			
29	C.E., No. 1002.	5th Nov. 1890.	Timber loading bank and siding at Palghat ..	2,737	3,279	6,016
			Farúk.			
30	G.O., No. 1901 R.	6th Aug. 1892.	Third line and godowns at Farúk ..	2,905	4,394	8,299
			Coimbatore.			
30a	G.O., No. 500 R.	8th Mar. 1893.	Extension of goods-shed, &c., at Coimbatore ..	4,273	865	5,138
			Rínigunta.			
31	G.O., No. 1792 R.	6th Aug. 1891.	Extension of engine-shed at Rínigunta ..	6,633	6,701	13,334
			Krishnapuram.			
32	G.O., No. 1191 R.	7th May 1892.	Through siding at Krishnapuram ..	6,367	6,353	11,720
			Gooty.			
33	M.O.M. ..	28th July 1892.	Double bungalow for family guards at Gooty ..	4,332	965	5,297
34	M.O.M. ..	28th " "	Double bungalow for engine-drivers at Gooty ..	6,283	1,291	6,574
			Guntakal.			
35	M.O.M. ..	25th Aug. 1892.	Loading bank and goods godown at Guntakal ..	6,334	710	6,044
			Baichur.			
36	G.O., No. 918 R.	8th April 1892.	Transshipping shed at Baichur ..	8,457	10,831	19,288
			Miscellaneous.			
37	G.O., No. 2073 R.	9th Sept. 1891.	Distant signals, South-west and North-west lines ..	9,747	26,993	46,740
38	G.O., No. 1900 R.	6th Aug. 1892.	Buildings consequent on the introduction of block system between Arkonam and Madras ..	8,285	10,438	18,723
			Electric Telegraph.			
39	G.O., No. 798 R.	25th July 1889.	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
40	G.O., No. 111 R.	1st Feb. "	Single needle instruments, batteries, &c., for trial or additional stations ..	4,122	2,586	7,710

Madras Railway for the official year 1893-94—cont.

ACTUAL EXPENDITURE UP TO CLOSE OF OFFICIAL YEAR 1891-92.			PROBABLE EXPENDITURE DURING 1892-93.			BUDGET ESTIMATE OF EXPENDITURE FOR OFFICIAL YEAR 1893-94.			Estimated expenditure in future years.	Number of items.
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.	
2,268	21,923	24,190	231	191	422	..	..	..	..	21
2,510	4,556	7,066	104	..	104	..	..	..	..	22
8,202	5,457	10,659	293	..	293	..	..	..	..	23
1,577	761	2,338	3,691	4,077	7,768	..	..	..	..	24
..	..	..	600	4,000	4,600	155	764	919	..	25
..	..	..	6,001	..	6,001	..	..	..	..	26
..	..	..	..	..	..	14,972	7,791	22,763	..	27
101	130	231	3,862	6,378	10,240	..	..	..	..	28
1,477	1,592	3,069	1,260	1,687	2,947	..	..	..	..	29
..	..	..	3,500	4,000	7,500	405	394	799	..	30
..	..	..	4,266	637	5,103	7	28	35	..	30a
2,466	7,998	10,464	4,177	703	4,880	..	..	..	..	31
..	..	..	5,367	6,353	11,720	..	..	..	..	32
3,946	755	4,701	386	210	596	..	..	..	..	33
4,194	1,105	5,299	1,089	186	1,275	..	..	..	..	34
4,683	710	5,393	650	1	651	..	..	..	..	35
..	..	..	21,924	3,000	24,924	1,600	102	1,602	..	36
638	7,929	8,467	9,209	29,064	38,273	..	..	..	..	37
6,408	6,673	13,080	989	415	1,404	..	..	..	..	38
54,392	90,611	1,45,003	5,687	6,081	11,768	4,864	5,126	9,990	..	39
629	1,285	1,914	908	444	1,352	2,585	1,879	4,464	..	40

Budget Estimate of Sanctioned Works of the

Number of items	SANCTIONS.		Particulars.	AMOUNT OF ESTIMATE.		
	Number.	Date.		Cash outlay in India.	Value of stores.	Total expenditure.
			STATIONS AND BUILDINGS—cont.	Rs.	Rs.	Rs.
			Electric Telegraph—cont.			
41	G.O., No. 2286 R.	14th Oct. 1891.	Introduction of block system between Madras and Arkonam	2,873	2,392	5,265
			Sanctioned Minor Works as per Schedule O	1,02,670	1,02,369	2,05,039
			Total, Engineering Department	9,29,661	11,82,897	21,12,558
			LOCOMOTIVE DEPARTMENT.			
1	G.O., No. 2057 R. C.E., No. 764 ..	23rd Aug. 1892. 10th Sept. ..	Eight engines and tenders	8,800	2,33,960	2,39,760
			CARRIAGE AND WAGON DEPARTMENT.			
1	G.O., No. 2429 R.	12th Oct. 1892.	One composite carriage	2,211	4,642	6,853
	M.O.M., No. 4.	26th Apr. ..	Six brake-vans	3,720	17,280	21,000
2	G.O., No. 2218 R.	13th Sept. ..	Six covered goods wagons proportion			
3	G.O., No. 1334 R.	26th May ..	chargeable to Capital	687	6,727	7,414
4	G.O., No. 1746 R.	14th July ..	Four tank wagons for carrying kerosine-oil	1,640	6,560	8,200
			Furnishing additional screw couplings to vehicles.			
6	G.O., No. 1616 R.	17th Oct. 1890.	Three thousand two hundred and thirty screw couplings	15,376	23,384	38,760
6	G.O., No. 1616 R.	17th	One thousand two hundred centre chains	1,050	6,900	7,950
			Sanctioned Minor Works as per Schedule C	128	4,643	4,688
			Total, Carriage and Wagon Department	24,809	70,038	94,846
			Total, Schedule A	9,60,270	14,86,893	24,47,163

SCHEDULE B OR CONSTRUCTION
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.
			Bridge Work.			
1	..	..	Protective works at 395th mile, South-west line.	14,777	..	14,777
			STATIONS AND BUILDINGS.			
			Rajapuram.			
2	..	..	Sheds for export and import traffic at Rajapuram	16,668	8,334	25,000
			Vayampudy.			
3	..	..	Houses for signallers and pointmen at Vayampudy	5,000	1,956	6,956
			Connur.			
4	..	..	Sorting sidings at Connur	2,388	4,599	6,987
			Arkonam.			
5	..	..	New tank house at Arkonam	881	5,788	6,669

Madras Railway for the official year 1893-94—cont.

ACTUAL EXPENDITURE UP TO CLOSE OF OFFICIAL YEAR 1891-92.			PROBABLE EXPENDITURE DURING 1892-93.			BUDGET ESTIMATE OF EXPENDITURE FOR OFFICIAL YEAR 1893-94.			Estimated expenditure in future years.	Number of items.
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.	
635	2,061	2,696	1,373	..	1,373	865	231	1,196	..	41
17,777	22,025	39,802	81,663	72,116	1,53,679	17,766	14,798	32,564	..	
2,06,182	8,41,657	12,37,819	2,72,387	2,18,611	4,91,998	87,853	1,68,868	2,56,721	..	
..	..	..	..	..	..	5,800	2,33,960	2,39,760	..	1
1,246	2,645	3,791	965	2,097	3,062	..	..	..	..	1
..	..	..	2,720	17,280	21,000	..	..	..	..	2
..	..	..	687	6,727	7,414	..	..	..	..	3
..	..	..	1,638	6,353	7,991	..	..	..	..	4
3,100	4,700	7,800	2,698	4,700	7,398	2,100	4,700	7,800	16,764	5
210	1,380	1,590	210	1,380	1,590	210	1,380	1,590	3,180	6
..	..	..	..	..	..	128	4,543	4,668	..	
4,568	8,625	13,181	9,918	28,537	48,453	2,435	10,623	14,058	18,944	
4,00,718	8,50,282	12,51,000	2,83,308	2,67,148	5,40,451	97,088	4,13,451	5,10,539	18,944	

WORKS—PART II.

MADRAS RAILWAY for the official year 1893-94.

ACTUAL EXPENDITURE UP TO CLOSE OF OFFICIAL YEAR 1891-92.			PROBABLE EXPENDITURE DURING 1892-93.			BUDGET ESTIMATE OF EXPENDITURE FOR OFFICIAL YEAR 1893-94.			Estimated expenditure in future years.	Number of items.
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.	
..	..	..	..	..	..	14,777	..	14,777	..	1
..	..	..	..	..	..	..	..	..	25,000	2
..	..	..	..	..	..	..	..	..	6,956	3
..	..	..	..	..	..	2,388	4,599	6,987	..	4
..	..	..	..	..	..	881	5,788	6,669	..	5

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.
			STATIONS AND BUILDINGS—cont.	RS.	RS.	RS.
			<i>Jalarpet.</i>			
6	..	..	Alteration and addition to station-house at Jalarpet ..	10,988	7,618	18,603
7	..	..	Twenty houses for native firemen at Jalarpet ..	5,440	1,160	6,600
			<i>Kolar Road.</i>			
8	..	..	Further alterations and additions to station-house at Kolar Road ..	3,541	10,010	13,551
			<i>Bangalore City.</i>			
9	..	..	Thirty houses for subordinate staff at Bangalore City ..	6,530	1,920	8,550
10	..	..	Carriage shed at Bangalore City ..	4,251	2,148	6,409
11	..	..	Alteration and additions to platform, station-house yard, &c., at Bangalore City ..	90,898	56,499	1,47,397
			<i>Podanur.</i>			
12	..	..	Two double-blocks of bungalows for European and Eurasian drivers at Podanur ..	7,962	2,458	10,420
			<i>Palghat.</i>			
13	..	..	Station-house at Palghat ..	26,000	18,000	40,000
			<i>Calicut.</i>			
14	..	..	Telegraph Inspector's bungalow and office at Calicut ..	4,627	872	5,499
			<i>Gooty.</i>			
15	..	..	Two double-blocks of bungalows for European and Eurasian drivers at Gooty ..	10,386	2,498	12,784
16	..	..	Institute at Gooty ..	11,007	6,676	17,682
			BALLAST AND PERMANENT-WAY.			
17	..	..	Laying new permanent-way over girder bridges ..	29,022	45,978	75,000
			MISCELLANEOUS.			
18	..	..	Sheds, &c., required for the introduction of gas lights in trains ..	13,969	1,56,804	1,70,773
19	..	..	Four trial stations ..	6,844	1,808	8,652
20	..	..	Four double bungalows for guards ..	11,560	3,952	15,512
21	..	..	Six houses for native stationmasters ..	3,606	1,536	5,142
22	..	..	Four platforms to be provided at trial stations ..	7,724	5,644	13,268
23	..	..	Twenty-five houses for subordinate staff ..	5,530	1,620	7,150
24	..	..	Two trial stations to be converted into fourth-class stations ..	9,048	6,374	15,422
			ELECTRIC TELEGRAPH.			
25	..	..	Lighting of Arkenam station and yard by electricity ..	6,133	17,813	23,946
26	..	..	Unsanctioned Minor Works as per Schedule C ..	23,358	20,103	43,461
			Total, Engineering Department ..	3,37,146	3,88,964	7,26,110
			LOCOMOTIVE DEPARTMENT.			
			N.W.			
			CARRIAGE AND WAGON DEPARTMENT.			
1	..	..	Two composite carriages ..	4,422	9,284	13,706
			Total, Schedule B ..	3,41,568	3,98,248	7,39,816

* The greater portion of this expenditure

Madras Railway for the official year 1893-94—cont.

ACTUAL EXPENDITURE UP TO CLOSE OF OFFICIAL YEAR 1891-92.			PROBABLE EXPENDITURE DURING 1892-93.			BUDGET ESTIMATE OF EXPENDITURE FOR OFFICIAL YEAR 1893-94.			Estimated expenditure in future years.	Number of items.
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.	
..	..	..	..	..	..	10,988	7,618	18,603	..	6
..	..	..	..	..	..	5,440	1,160	6,600	..	7
..	..	..	..	..	..	3,541	10,010	13,551	..	8
..	..	..	..	..	..	6,530	1,920	8,550	..	9
..	..	..	..	..	..	4,251	2,148	6,409	..	10
..	..	..	..	..	..	90,898	56,499	1,47,397	..	11
..	..	..	..	..	..	7,962	2,458	10,420	..	12
..	..	..	..	..	..	26,000	18,000	40,000	..	13
..	..	..	..	..	..	..	..	..	5,499	14
..	..	..	..	..	..	10,386	2,498	12,784	..	15
..	..	..	..	..	..	11,007	6,676	17,682	..	16
..	..	..	..	..	..	..	..	..	75,000	17
..	..	..	..	..	..	13,969	1,56,804	1,70,773	..	18
..	..	..	..	..	..	6,844	1,808	8,652	..	19
..	..	..	..	..	..	11,560	3,952	15,512	..	20
..	..	..	..	..	..	3,606	1,536	5,142	..	21
..	..	..	..	..	..	7,724	5,644	13,268	..	22
..	..	..	..	..	..	5,530	1,620	7,150	..	23
..	..	..	..	..	..	9,048	6,374	15,422	..	24
..	..	..	..	..	..	6,133	17,813	23,946	..	25
..	..	..	..	..	..	20,204	13,616	33,819	9,642	26
..	..	..	..	..	..	2,78,677	3,25,336	6,04,013	1,22,097	
..	..	..	..	..	..	4,422	9,284	13,706	..	1
..	..	..	..	..	..	2,83,099	3,24,620	6,17,719	1,22,097	

is debitable to the Locomotive Department.

SCHEDULE C OR CONSTRUCTION
Budget Estimate of Minor Works of the

Number of items	SANCTIONS.		Particulars.	AMOUNT OF ESTIMATE.		
	Number.	Date.		Cash outlay in India.	Value of stores.	Total expenditure.
			SANCTIONED WORKS.	RS.	RS.	RS.
			ENGINEERING DEPARTMENT.			
			<i>Bridgework.</i>			
1	C.E. No. 1026..	23rd Nov. 1892.	Strengthening bridge at 395th mile, South-west line ..	2,112	2,883	4,995
2	G.O., No. 2493 R.	19th Oct. "	Strengthening weak girders over the Rallavonka bridge ..	..	2,213	2,213
			STATIONS AND BUILDINGS.			
			<i>Rāyapuram.</i>			
3	C.E. No. 308 ..	22nd April 1892.	Extension of platform and alteration of sidings at Rāyapuram ..	978	772	1,750
4	C.E. No. 628 ..	3rd Aug. "	Thirty-ton weigh-bridge and siding at Rāyapuram ..	109	2,133	2,242
5	C.E. No. 830 ..	26th Sept. "	Alterations of sidings, &c., at Rāyapuram ..	248	814	1,062
			<i>Central Station.</i>			
6	C.E. No. 145 ..	16th Feb. 1893.	Dispensary and apothecary's quarters at Central station ..	2,559	1,581	4,140
7	M.O.M. ..	26th Aug. 1892.	Grouping points Nos. 17 to 21 and 22 to 26 at Central station ..	268	987	1,255
8	C.E. No. 243 ..	26th Mar. "	Tank at Central station ..	163	2,369	2,532
9	C.E. No. 206 ..	6th " 1893.	Extra piping and hydrants for washing carriages at Central station ..	153	2,346	2,499
10	C.E. No. 248 ..	17th " "	Steam pump at Central station ..	47	1,490	1,537
			<i>Salt Colours.</i>			
11	C.E. No. 966 ..	6th Oct. 1891.	Sidings, &c., for loading coal at Salt Colours ..	762	2,576	3,338
			<i>Perambur Works.</i>			
12	C.E. No. 927 ..	28th Sept. "	Additional stables, &c., for staff quarters at Perambur Works ..	1,211	272	1,483
13	C.E. No. 646 ..	9th Aug. 1892.	Paving with cement and fixing sky-lights in carriage shop at Perambur Works ..	606	826	1,432
			<i>Connar.</i>			
14	M.O.M. ..	26th May "	Station-house, &c., at Connar ..	1,800	2,054	3,854
			<i>Avadi.</i>			
15	C.E. No. 332 ..	28th April 1892.	Extension of platforms at Avadi ..	1,579	1,151	2,730
	M.O.M. ..	26th Mar. 1893.	..	..	..	..
			<i>Tinnamur.</i>			
16	C.E. No. 332 ..	28th April 1892.	Extension of platforms at Tinnamur ..	1,225	907	2,132
			<i>Tiruvallur.</i>			
17	C.E. No. 1140..	21st Nov. 1891.	Overbridge at Tiruvallur ..	1,639	1,695	3,334
	M.O.M. ..	28th July 1892.	..	..	..	..
			<i>Kadambattur.</i>			
18	C.E. No. 332 ..	28th April "	Extension of platform at Kadambattur ..	800	800	1,600
			<i>Manur.</i>			
19	C.E. No. 686 ..	23rd July "	Platform at Manur ..	1,683	1,335	3,018
			<i>Mosur.</i>			
20	C.E. No. 684 ..	17th Aug. "	Platform at Mosur ..	1,221	1,335	2,556
			<i>Arkonam.</i>			
21	C.E. No. 604 ..	28th July "	Guards' bungalow at Arkonam ..	2,869	979	3,848
22	C.E. No. 920 ..	25th Oct. "	Alterations and additions to signallers' bungalow at Arkonam ..	861	671	1,532
			<i>Kātpadi.</i>			
23	C.E. No. 727 ..	29th Aug. 1892.	Double bungalow for signallers at Kātpadi ..	1,998	861	2,859
24	C.E. No. 1043..	23rd Oct. 1891.	Five-ton crane and alteration of sidings at Kātpadi ..	434	2,712	3,146
	M.O.M. ..	26th Mar. 1893.	..	..	..	..

WORKS—PART III.

Madras Railway for the official year 1893-94.

ACTUAL EXPENDITURE UP TO CLOSE OF OFFICIAL YEAR 1891-92.			PROBABLE EXPENDITURE DURING 1892-93.			BUDGET ESTIMATE OF EXPENDITURE FOR OFFICIAL YEAR 1893-94.			Estimated expenditure in future years.	Number of items.
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.	
..	..	..	1,500	2,500	4,000	613	383	996	..	1
..	..	..	..	3,000	3,000	..	213	213	..	2
..	..	..	978	772	1,750	..	..	..	..	3
..	..	..	109	2,133	2,242	..	..	..	..	4
..	..	..	200	250	450	48	64	112	..	5
..	..	..	..	..	..	2,559	1,581	4,140	..	6
72	956	1,028	..	80	80	..	..	..	..	7
..	..	..	700	2,669	3,369	..	..	..	..	8
..	..	..	153	2,346	2,499	..	..	..	..	9
..	..	..	..	..	..	47	1,490	1,537	..	10
491	1,986	2,477	270	90	360	..	..	..	..	11
837	272	1,109	374	..	374	..	..	..	..	12
..	..	..	598	826	1,424	..	..	..	..	13
1,560	2,928	4,488	180	..	180	..	..	..	..	14
..	..	..	1,579	1,151	2,730	..	..	..	..	15
..	..	..	1,225	907	2,132	..	..	..	..	16
478	1,672	2,150	1,161	23	1,184	..	..	..	..	17
..	..	..	800	800	1,600	..	..	..	..	18
..	..	..	1,400	1,200	2,600	183	135	318	..	19
..	..	..	1,000	1,000	2,000	221	836	1,057	..	20
..	..	..	1,869	800	2,669	1,000	379	1,379	..	21
..	..	..	600	500	1,100	281	71	352	..	22
..	..	..	900	500	1,400	1,098	361	1,459	..	23
27	..	27	407	1,663	2,070	..	..	..	..	24

Budget Estimate of Minor Works of the

Number of items.	SANCTIONS.		Particulars.	AMOUNT OF ESTIMATE.		
	Number.	Date.		Cash outlay in India.	Value of stores.	Total expenditure.
				Rs.	Rs.	Rs.
			STATIONS AND BUILDINGS—cont.			
			Vaniyambadi.			
25	C.E. No. 978 ..	8th Oct. 1891.	Goods-sheds lay-by at Vaniyambadi ..	348	1,398	1,743
			Bangalore City.			
26	C.E. No. 1020 ..	19th Nov. 1892.	Goods-shed office at Bangalore City ..	828	347	1,172
			Bangalore Cantonment.			
27	C.E. No. 307 ..	22nd April ..	Wall at Bangalore cantonment ..	1,728	658	2,386
			Devankundi.			
28	C.E. No. 437 ..	4th June ..	Station-house at Devankundi ..	1,214	866	2,080
			Malur.			
29	C.E. No. 332 ..	28th April ..	Extension of through siding at Malur ..	401	786	1,187
			Kolar Road.			
30	C.E. No. 689 ..	16th July ..	Extension of lay-by at Kolar road ..	660	1,315	1,975
			Gudupalli.			
31	C.E. No. 233 ..	21st Mar. ..	Quarters for the traffic staff at Gudupalli ..	1,772	641	2,413
32	C.E. No. 691 ..	25th July ..	Lay-by at Gudupalli ..	845	1,464	1,809
			Mollanur.			
33	C.E. No. 680 ..	31st July 1891.	Five houses for pointsmen at Mollanur.	1,339	331	1,670
			Jalarpet.			
34	C.E. No. 709 ..	7th Aug. ..	Double bungalow for family guards at Jalarpet	2,966	980	3,936
35	C.E. No. 898 ..	21st Sept. ..	Extension of transshipping shed at Jalarpet	796	3,218	4,014
36	C.E. No. 1028 ..	23rd Nov. 1892.	Semaphore signal and cabin for grouping points at Jalarpet ..	778	1,374	2,152
37	C.E. No. 144 ..	20th Feb. ..	Alteration of sidings at Jalarpet ..	117	1,045	1,162
38	C.E. No. 683 ..	17th Aug. ..	Shed for sheltering carriages at Jalarpet.	982	366	1,348
39	C.E. No. 726 ..	29th ..	Double bungalow for family guards at Jalarpet	2,890	988	3,878
40	C.E. No. 863 ..	28th Sept. ..	Additions to Assistant Traffic Manager's office at Jalarpet ..	893	663	1,556
41	C.E. No. 949 ..	31st Oct. ..	Stand pipes and piping at Jalarpet.	432	1,234	1,666
			Salem.			
42	C.E. No. 643 ..	15th June 1891.	Paving engine-shed at Salem ..	1,308	..	1,308
			Bankaridrug.			
43	C.E. No. 200 ..	12th May 1892.	Well at 230/5 miles near Bankaridrug.	638	1,470	2,008
	M.O.M. ..	24th Feb. 1893.				
			Erode.			
44	C.E. No. 199 ..	11th Mar. 1892.	Running guard's bungalow at Erode ..	2,548	710	3,258
45	C.E. No. 834 ..	26th Sept. ..	Thirty-ton weigh bridge and office, &c., at Erode ..	433	2,568	2,991
45-A	C.E. No. 224 ..	11th Mar. 1893.	Alteration and additions to sidings at Erode ..	434	2,385	2,819
			Vinnamangalam.			
46	C.E. No. 696 ..	19th Aug. 1892.	Goods godown and loading bank at Vinnamangalam ..	1,873	178	2,051
			Tirupur.			
47	C.E. No. 332 ..	28th April ..	Extension of through siding at Tirupur.	506	1,551	2,057
			Poda-nur.			
48	C.E. No. 686 ..	17th Aug. 1892.	Assistant Traffic Manager's office at Poda-nur ..	2,777	1,187	3,964
49	C.E. No. 616 ..	1st ..	Guards' bungalow at Poda-nur ..	2,899	978	3,877
50	M.O.M. ..	25th ..	Double bungalow for family guards at Poda-nur ..	2,946	987	3,933
			Olavakkod.			
51	C.E. No. 460 ..	16th June 1893.	Alterations and additions to signallers' bungalow at Olavakkod	1,044	335	1,379
52	C.E. No. 640 ..	11th Aug. ..	Alterations and additions of sidings at Olavakkod ..	781	2,961	3,742

Madras Railway for the official year 1893-94—cont.

ACTUAL EXPENDITURE UP TO CLOSE OF OFFICIAL YEAR 1891-92.			PROBABLE EXPENDITURE DURING 1892-93.			BUDGET ESTIMATE OF EXPENDITURE FOR OFFICIAL YEAR 1893-94.			Estimated expenditure in future years.	Number of items.
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.	
142	918	1,060	16	..	16	..	..	..	..	25
..	..	..	600	250	850	225	97	322	..	26
357	465	822	1,371	93	1,464	..	..	..	..	27
1,212	859	2,071	1	..	1	..	..	..	..	28
..	..	..	401	786	1,187	..	..	..	..	29
..	..	..	660	1,315	1,975	..	..	..	..	30
..	..	..	1,774	641	2,415	..	..	..	..	31
..	..	..	348	1,466	1,809	..	..	..	..	32
466	248	714	703	..	703	..	..	..	..	33
1,310	642	1,952	1,844	338	2,182	..	..	..	..	34
710	2,178	2,888	66	23	89	..	..	..	..	35
97	539	636	681	835	1,516	..	..	..	..	36
..	486	486	117	402	519	..	..	..	..	37
..	..	..	900	302	1,202	62	66	117	..	38
..	..	..	1,800	600	2,400	1,090	388	1,478	..	39
..	..	..	700	400	1,100	193	163	356	..	40
..	..	..	400	900	1,300	32	334	366	..	41
1,156	..	1,156	25	..	25	..	..	..	..	42
64	87	151	473	1,392	1,865	..	..	..	..	43
..	38	38	2,536	603	3,039	..	..	..	..	44
..	..	..	400	2,600	3,000	33	68	91	..	45
..	..	..	..	..	..	434	2,385	2,819	..	45-A
..	..	..	1,500	150	1,650	373	28	401	..	46
..	..	..	606	1,551	2,057	..	..	..	..	47
..	..	..	2,000	1,000	3,000	777	147	924	..	48
..	..	..	2,399	700	3,099	500	278	778	..	49
2,341	937	3,278	146	80	196	..	..	..	..	50
..	..	..	1,044	335	1,379	..	..	..	..	51
..	..	..	700	2,600	3,200	81	461	542	..	52

Budget Estimate of Minor Works of the

Number of items	SANCTIONS.		Particulars.	AMOUNT OF ESTIMATE.		
	Number.	Date.		Cash outlay in India.	Value of stores.	Total expenditure.
			STATIONS AND BUILDINGS—cont.	RS.	RS.	RS.
			Palghat.			
63	C.E. No. 243 ..	19th Mar. 1891.	Station-master's bungalow at Palghat ..	1,941	761	2,692
64	G.O., No. 917 R.	8th April 1892.	Goods-shed and extension of sidings at Palghat ..	747	1,338	2,085
65	C.E. No. 451 ..	16th June ..	Thirty-ton weigh-bridge, &c., at Palghat ..	920	3,673	4,593
66	C.E. No. 593 ..	25th July ..	Diversión of road, &c., at Palghat ..	1,082	..	1,082
			Mankarai.			
67	C.E. No. 469 ..	18th June 1892.	Station-house at Mankarai	1,538	452	1,990
68	C.E. No. 900 ..	22nd Sept. 1891.	Platform at Mankarai	1,185	1,674	2,859
			Ottappalam.			
69	C.E. No. 957 ..	6th Oct. 1891.	Extra water column at west end of platform at Ottappalam	360	1,496	1,856
			Edakkolam.			
60	C.E. No. 688 ..	17th Aug. 1892.	Station-house at Edakkolam	1,229	827	2,056
			Parpanangadi.			
61	C.E. No. 462 ..	16th June 1892.	Goods-shed, &c., at Parpanangadi ..	2,116	596	2,712
			Feroke.			
62	C.E. No. 316 ..	10th Apr. 1893.	Alteration of sidings at Feroke	787	827	1,614
63	M.O.M. ..	28th July 1892.	Road goods room at Feroke	1,250	1,036	2,286
			Kallai.			
64	M.O.M. ..	28th July 1892.	Sidings and turn-table at Kallai ..	1,010	1,271	2,281
65	C.E. No. 220 ..	17th Mar. ..	Works required by the Traffic Department at Kallai	690	439	1,129
	M.O.M. ..	30th Sept. ..				
			Coimbatore.			
66	C.E. No. 480 ..	22nd June 1892.	Extension of goods-shed, &c., at Coimbatore	2,250	865	4,115
			Tudiyalur.			
67	C.E. No. 332 ..	28th April 1892.	Extension of through siding at Tudiyalur.	971	1,378	2,349
			Karamadai.			
68	C.E. No. 332 ..	28th April 1892.	Extension of through siding at Karamadai	1,302	1,402	2,704
			Vepagunta.			
69	C.E. No. 605 ..	8th July 1891.	Platform and lay-by at Vepagunta ..	1,372	3,036	4,408
			Padi.			
70	C.E. No. 332 ..	28th April 1891.	Extension of platform, &c., at Padi ..	596	399	995
			Rénigunta.			
71	C.E. No. 1193.	6th Dec. 1891.	Nine huts for scavengers at Rénigunta. Double guards' bungalow at Rénigunta. One block of four bungalows for European and Eurasian firemen at Rénigunta Six houses for subordinate staff at Rénigunta	1,518	394	1,912
72	M.O.M. ..	30th Sept. 1892.		1,949	586	2,535
73	G.O., No. 1856 R.	21st June ..		3,094	1,411	4,505
74	C.E. No. 814 ..	1st Aug. ..		848	430	1,278
			Kodár.			
75	C.E. No. 332 ..	28th April 1892.	Extension of platform, &c., at Kodár ..	163	224	377
			Rájampet.			
76	C.E. No. 342 ..	3rd May 1892.	Extension of platform and through sidings at Rájampet	796	1,388	2,184
77	C.E. No. 868 ..	6th Oct. ..	Six houses for subordinate staff at Rájampet	843	428	1,271
			Nandalúr.			
78	C.E. No. 342 ..	3rd May 1892.	Extension of platform, &c., at Nandalúr.	330	354	684

Madras Railway for the official year 1893-94—cont.

ACTUAL EXPENDITURE UP TO CLOSE OF OFFICIAL YEAR 1891-92.			PROBABLE EXPENDITURE DURING 1892-93.			BUDGET ESTIMATE OF EXPENDITURE FOR OFFICIAL YEAR 1893-94.			Estimated expenditure in future years.	Number of items.
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.	
892	588	1,480	783	12	795	..	..	..	..	53
..	..	..	600	900	1,500	147	438	585	..	54
..	..	..	920	3,673	4,593	..	..	..	..	55
..	..	..	700	..	700	382	..	382	..	56
..	..	..	1,538	452	1,990	..	..	..	..	57
876	991	1,867	118	..	118	..	..	..	..	58
..	..	..	..	..	..	..	..	..	..	59
214	313	527	48	696	744	..	..	..	..	60
..	..	..	1,000	600	1,600	229	327	556	..	61
..	..	..	2,116	596	2,712	..	..	..	..	62
..	..	..	..	..	..	787	827	1,614	..	63
924	969	1,903	102	66	168	..	..	..	..	64
636	1,077	1,613	475	177	652	..	..	..	..	65
..	8	8	689	421	1,110	..	..	..	..	66
..	..	..	2,250	865	4,115	..	..	..	..	68
..	..	..	172	1,091	1,263	..	..	..	..	67
..	..	..	1,001	1,374	2,375	..	..	..	..	68
..	..	..	..	..	..	..	..	..	..	69
..	..	..	..	..	..	..	..	..	..	70
..	..	..	..	..	..	..	..	..	..	71
..	..	..	..	..	..	..	..	..	..	72
..	..	..	..	..	..	..	..	..	..	73
..	..	..	..	..	..	..	..	..	..	74
..	..	..	..	..	..	..	..	..	..	75
..	..	..	..	..	..	..	..	..	..	76
..	..	..	..	..	..	..	..	..	..	77
..	..	..	..	..	..	..	..	..	..	78

Budget estimate of Minor Works of the

Number of Items.	Sanctions.		Particulars.	Amount of Estimates.		
	Number.	Date.		Cash outlay in India.	Value of stores.	Total expenditure.
			STATIONS AND BUILDINGS—cont.	Rs.	Rs.	Rs.
			<i>Sweepst.</i>			
2			Cross-over road at Sevvapet	89	1,347	1,406
			<i>Arkonam.</i>			
3			Water troughs at Arkonam	480	1,260	1,740
			<i>Bangalore City.</i>			
4			Drainage at Bangalore City station ..	1,200	90	1,290
5			Carriage Examiner's bungalow at Bangalore City	2,624	662	3,286
			<i>Podanur.</i>			
6			Third line, Nilgiri branch, at Podanur ..	1,281	3,693	4,974
			<i>Shoranur.</i>			
7			Third line at Shoranur	967	3,055	4,022
			<i>Feroke.</i>			
8			Two extra godowns for merchants at Feroke	1,654	685	2,339
			<i>Rénigunta.</i>			
9			Extension of transhipping shed at Réni-gunta	784	1,928	2,712
10			Ten houses for native firemen at Réni-gunta	2,720	580	3,300
			<i>Guntakal.</i>			
11			Quarters for two native signallers at Guntakal	2,736	701	3,437
			<i>Raichur.</i>			
12			Removal of over bridge at Raichur ..	1,139	688	1,827
13			Additions to goods shed at Raichur ..	2,802	210	3,012
14			Safety siding to prevent wagons from moving away on the Madras Railway line	1,352	2,087	3,439
			BALLAST AND PERMANENT-WAY.			
			<i>N.J.</i>			
			MISCELLANEOUS.			
15			Two loading banks to be provided at two stations	1,448	709	2,157
16			Over-bridge at Elephant gate crossing ..	709	1,812	2,521
			Total, Engineering Department carried to Schedule B ..	23,358	20,103	43,461
			LOCOMOTIVE DEPARTMENT.			
			<i>N.J.</i>			
			CARRIAGE AND WAGON DEPARTMENT.			
			<i>N.J.</i>			
			Total, Unsanctioned Minor Works ..	23,358	20,103	43,461

Madras Railway for the official year 1893-94—cont.

ACTUAL EXPENDITURE UP TO CLOSE OF OFFICIAL YEAR 1891-92.			PROBABLE EXPENDITURE DURING 1892-93.			BUDGET ESTIMATE OF EXPENDITURE FOR OFFICIAL YEAR 1893-94.			Estimated expenditure in future years.	Number of Items.
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.	
..	..	..	..	..	..	69	1,347	1,406	..	2
..	..	..	..	..	..	480	1,260	1,740	..	3
..	..	..	..	..	..	1,200	90	1,290	..	4
..	..	..	..	..	..	2,624	662	3,286	..	5
..	..	..	..	..	..	1,281	3,693	4,974	..	6
..	..	..	..	..	..	..	..	..	4,022	7
..	..	..	..	..	..	1,654	685	2,339	..	8
..	..	..	..	..	..	..	..	..	2,712	9
..	..	..	..	..	..	2,720	580	3,300	..	10
..	..	..	..	..	..	2,736	701	3,437	..	11
..	..	..	..	..	..	1,139	688	1,827	..	12
..	..	..	..	..	..	2,802	210	3,012	..	13
..	..	..	..	..	..	1,352	2,087	3,439	..	14
..	..	..	..	..	..	1,448	..	1,448	..	15
..	..	..	..	..	..	709	1,812	2,521	..	16
..	..	..	..	..	..	20,204	13,615	33,819	9,642	
..	..	..	..	..	..	..	..	..	..	
..	..	..	..	..	..	..	..	..	..	
..	..	..	..	..	..	20,204	13,615	33,819	9,642	

SCHEDULE D OF CONSTRUCTION WORKS—PART IV.

BUDGET ESTIMATE of EMERGENT WORKS of the MADRAS RAILWAY for the official year 1893-94—Nil.

SCHEDULE E.

BUDGET ESTIMATE of EXPENDITURE for PURCHASE of STORES for the MADRAS RAILWAY during 1893-94.

Details.	ACTUAL PURCHASES DURING 1891-92.		PROBABLE PURCHASES DURING 1892-93.		ESTIMATED PURCHASES DURING 1893-94.	
	Quantity.	Amount.	Quantity.	Amount.	Quantity.	Amount.
<i>In India.</i>						
Firewood	Tons.	87,445	4,24,826	80,000	4,00,000	85,000
Oil of rosin	..	..	1,37,044	..	1,43,600	..
Cotton, waste, &c.	lb.	76,807	7,294	60,000	8,000	60,000
Timber of all kinds	Tons.	..	1,88,313	..	1,88,360	..
Tallow, country	lb.	14,841	2,611	6,000	1,200	6,000
Coal, Indian	Tons.	21,111	2,80,202	22,000	2,13,600	22,000
Wooden sleepers	No.	2,777	17,136	..	20,000	..
Do. keys	..	..	12,823	..	13,000	..
Materials for tarpaulins	..	..	490	..	7,000	..
Manufacture of stores	..	..	1,19,878	..	1,22,000	..
Freight and landing charges	..	..	91,468	..	80,000	..
Pot sleepers cast in Perambur Works	..	..	..	..	2,000	..
Handy stores	..	..	2,60,477	..	65,147	..
Total	..	..	18,50,653	..	13,61,897	..
<i>In England.</i>						
Coal, coke and patent fuel	Tons.	996	18,578	1,000	28,000	1,000
Bram and copper pipes, tubes, &c.	..	119	80,303	..	24,129	..
Iron and steel plates and bars	..	751	88,534	..	84,300	..
Materials for renewals of rolling-stock, chiefly iron works	..	..	71,821	..	6,440	..
Tyres, engines and carriages	Tons.	257	44,786	..	6,240	..
Machinery	..	..	10,814	..	5,960	..
Axles, crank	No.	37	20,183	15	9,460	30
Do. carriages	..	400	26,785	..	..	200
Locomotives	..	..	..	..	10	2,89,200
Iron under frames for carriages	..	..	35,372	..	..	..
Plant for making gas and fittings for lighting	..	..	..	..	..	1,55,304
Automatic vacuum brake fittings	..	..	..	..	..	6,900
Permanent-way materials	Tons.	9,145	4,73,344	..	2,00,000	..
Girders and iron cylinders	..	..	3,86,758	..	1,00,000	..
Telegraph stores	..	..	9,707	..	..	12,000
Materials for tarpaulins	..	..	76,602	..	3,000	..
Handy stores	..	..	87,444	..	1,51,389	..
Total	..	..	13,99,026	..	5,99,000	..
Total, Schedule E	..	..	29,49,679	..	19,60,897	..

MEMORANDUM.

Actual balance of stores in hand, 1st April 1892	Rs.	32,75,870
Estimated purchases during 1892-93 as above	..	19,60,897
Total	..	52,36,567
Estimated issues during 1892-93	..	21,57,148
Estimated balances on 1st April 1893	..	30,79,419
Estimated purchases during 1893-94	..	28,79,813
Total	..	59,59,232
Estimated issues during 1893-94	..	27,48,071
Estimated balance on 1st April 1894	..	32,11,161

ENGLISH TRANSACTIONS.

	Budget estimate, 1893-94.
Indents to be sent Home during year	Rs. 10,90,123
Add for indents of previous year expected to be complied with in official year	6,22,000
Add English establishment charges	1,40,000
Total	18,52,123
Deduct amount of orders not expected to be complied with until next year	3,47,123
Net Capital cash transactions in England	15,05,000

SCHEDULE F.

ESTIMATE OF TRAFFIC RECEIPTS OF THE MADRAS RAILWAY, 1893-94.

Number of miles open for traffic on 1st April 1892	840
Expected to be opened during 1892-93	..
Total on 1st April 1893	840
Expected to be opened during 1893-94	..
Total likely to be opened at end of 1893-94	840
Average number of miles expected to be opened during the whole of 1893-94	840

	Actuals in 1891-92.	Sanctioned budget estimate, 1892-93.	Revised estimate, 1892-93.	Budget estimate, 1893-94.
	Rs.	Rs.	Rs.	Rs.
Coaching traffic	36,13,794	38,00,000	38,60,000	38,60,000
Goods do.	56,48,989	56,20,000	57,10,000	57,10,000
Electric telegraph	20,129	20,000	20,000	20,000
Sundries	1,72,651	1,60,000	1,60,000	1,60,000
Total	94,55,563	94,00,000	97,50,000	97,50,000
Train mileage	25,38,905	25,10,000	24,71,000	24,72,000

SCHEDULE G.

ESTIMATE OF REVENUE EXPENDITURE ON THE MADRAS RAILWAY FOR THE OFFICIAL YEAR 1893-94.

	Actuals in 1891-92.	Sanctioned budget estimate, 1892-93.	Revised estimate, 1892-93.	Budget estimate, 1893-94.
<i>Maintenance of Way, Works and Stations.</i>				
	Rs.	Rs.	Rs.	Rs.
1. General superintendence	2,54,784	2,60,000	2,60,000	2,60,000
2. Maintenance and renewal of permanent-way	6,25,018	6,25,000	6,83,000	7,00,000
3. Repairs of bridges, &c., wages and materials	2,23,005	2,20,000	2,78,000	2,00,000
3-A. Conservancy of rivers	...	...	...	...
4. Repairs of stations and buildings, wages and materials	1,79,798	1,80,000	1,84,000	1,80,000
5. Maintenance by contract	24,240	20,000	20,000	20,000
6. New minor works	1,75,874	1,40,000	2,05,000	2,10,000
7. Unclassified expenditure	...	...	...	...
Total ...	14,82,719	14,45,000	16,30,000	15,70,000
Deduct value of stores returned to stock	1,40,089	...	...	...
Sum chargeable to Fire Insurance Fund	25	...	...	...
Total ...	1,40,114	1,20,000	1,20,000	1,20,000
Total ...	13,42,605	13,25,000	15,10,000	14,50,000
<i>Locomotive Expenses.</i>				
	Rs.	Rs.	Rs.	Rs.
1. General superintendence	1,17,354	1,10,000	1,08,300	1,10,000
2. Running expenses (wages connected with the working of locomotive engines)	3,63,497	3,60,000	3,69,000	3,70,000
3. Fuel	7,16,113	7,20,000	7,04,200	7,10,000
4. Water (including wages and stores)	27,794	26,000	29,000	26,000
5. Oil, tallow and other stores (expended on engines in work)	43,494	45,000	44,000	45,000
6. Maintenance and renewals of locomotive engines	5,92,485	4,51,000	4,40,000	4,40,000
6-A. Do. do. machinery, tools and plant	95,483	85,200	99,000	1,00,000
7. New minor works	...	2,500	2,500	2,500
8. Payments to other lines	...	...	...	...
9. Unclassified expenditure	1,83,049	1,50,000	1,32,000	1,46,500
Total ...	21,39,269	19,49,700	19,30,000	19,50,000
<i>Carriage and Wagon Expenses.</i>				
	Rs.	Rs.	Rs.	Rs.
1. General superintendence	31,026	40,000	36,000	36,000
2. Repairs and renewals of vehicles	3,01,657	4,00,000	2,52,500	2,76,500
2-A. Do. do. machinery, tools and plant	57,890	65,000	68,000	65,000
3. Cleaning carriages and wagons and oiling	63,552	70,000	65,000	70,000
4. New minor works	...	2,500	2,500	2,500
5. Unclassified expenditure	30,956	60,000	60,000	50,000
Total ...	4,85,081	6,37,500	4,85,000	5,00,000
Deduct sum chargeable to Fire Insurance Fund	2,029	...	...	...
Total ...	4,83,052	6,37,500	4,85,000	5,00,000

Estimate of Revenue Expenditure on the Madras Railway for the official year 1893-94—cont.

	Actuals in 1891-92.	Sanctioned budget estimate, 1892-93.	Revised estimate, 1892-93.	Budget estimate, 1893-94.
<i>Traffic Expenses.</i>				
	Rs.	Rs.	Rs.	Rs.
1. Salaries, wages, &c.	6,34,042	6,20,000	6,20,000	6,20,000
2. Fuel, lighting, water and general stores	1,14,269	1,10,000	1,10,000	1,10,000
3. Clothing	10,811	9,000	9,000	9,000
4. Printing, stationery and tickets	73,983	72,000	72,000	72,000
5. Charges for delivery and collection of goods, &c.	2,282	2,000	2,000	2,000
6. Miscellaneous expenses	6,058	6,000	6,000	6,000
7. Payments to other lines	...	...	...	...
8. Unclassified expenditure	22,275	21,000	21,000	21,000
Total ...	8,63,700	8,40,000	8,40,000	8,40,000
Deduct sum chargeable to Fire Insurance Fund	643	...	...	...
Total ...	8,63,057	8,40,000	8,40,000	8,40,000
<i>General Charges.</i>				
	Rs.	Rs.	Rs.	Rs.
1. Home expenditure	68,683	67,000	66,000	68,000
2. Salaries of Indian management including offices	2,73,794	2,90,400	2,50,000	2,60,000
3. Police	48,367	45,000	38,000	39,000
4. Advertising (all advertisements of all departments)	4,072	6,000	4,000	4,000
5. Electric telegraph	1,31,797	1,52,800	1,35,000	1,42,000
6. Clearing accounts with other lines	...	...	...	...
7. Unclassified expenditure	32,813	44,800	47,000	45,000
Total ...	5,59,516	6,05,900	5,40,000	5,58,000
Deduct sum chargeable to Fire Insurance Fund	5,372	8,000	6,000	6,000
Total ...	5,54,144	5,97,900	5,34,000	5,52,000
<i>Special and Miscellaneous Expenditure.</i>				
	Rs.	Rs.	Rs.	Rs.
1. Law charges	1,711	3,000	2,000	2,400
2. Compensation	5,502	5,000	3,000	4,000
3. Rates and taxes (including municipal water-rates)	14,208	15,000	14,000	16,000
4. Payments to other lines	39,162	15,000	23,200	25,000
5. Prizes for station gardens, &c.	560	2,000	800	600
6. Contribution to Railway provident institution	29,865	...	40,000	40,000
7. Miscellaneous	17,827	10,000	18,000	20,000
Total ...	1,08,835	50,000	1,01,000	1,08,000
Deduct sum chargeable to Fire Insurance Fund	1,547	...	...	...
Total ...	1,07,288	50,000	1,01,000	1,08,000

MADRAS,
24th April 1893.(Signed) F. DUNSTERVILLE,
Chief Auditor.(Signed) L. S. MOSS,
Agent and Manager.

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

Railway.

Read the following paper:—

Endorsement from the Consulting Engineer for Railways, dated 2nd May 1893, No. 205.

ORDER—dated 6th May 1893, No. 824 R., Public Works.

Ordered that the final issue of the revised estimate, 1892-93, and budget estimate, 1893-94, of the Madras Railway (Capital and Revenue) be forwarded to the Government of India with reference to para. 7 of its Resolution No. ¹² B.O. A.R., dated 24th March 1893.

[Here enter No. 825 R., Public Works, dated 6th May 1893.]

(True Extract.)

(Signed) F. R. UPCOTT,
Joint Secy. to Govt., P.W.D.,
Railway Branch.

To the Consulting Engineer for Railways.
Examiner, Guaranteed Railway Accounts.
Editors' Table.

Exd. S. J. Pereira.
Spare Copies

RAILWAY.

Govt. of {1893} Madras.
PUBLIC WORKS.

Dated May, 6th.

Recd.

Encl.

G.O., 6th May 1893, No. 824 R.

MAY.

Madras Railway

The final issue of the revised estimate and budget estimate for 1892-93 and 1893-94 respectively of the —, ordered to be forwarded to the Government of India.