Public Works (1894) Department.

RAILWAY BRANCH.

G.O., No. 635–36 R.

DATED 29th November

[Despatch Abstract.]

South Indian Railway

The schedule of demands (Capital) of the —— for 1895–96, with a note thereon by the Examiner of Ry Accounts, is ordered to be forwarded to the Govt. of India.

—

Forwarding the schedule of demands (Capital) of the —— for 1895–96, with a note thereon by the Examiner of Ry Accounts.

—

Inclosed

BACK PAPERS.

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

FURTHER PAPERS.

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

SOUTH INDIAN STATE RAILWAY.

Schedule of demands for capital outlay on "Construction Works" and "Stores Transactions" during the year 1895–96.

—	Cash.	Stores.	Total.
	Rs.	Rs.	Rs.
Works—			
Works in progress—			
South Indian Railway	39,260	1,91,480	2,30,740
Villupuram-Dharmavaram Railway	200	54,486	54,686
New works—			
(a) Sanctioned as per Appendix A	..	..	..
(b) Not sanctioned as per Appendix B—			
South Indian Railway	2,55,219	17,80,123	20,35,342
Villupuram-Dharmavaram Railway	56,971	14,005	70,976
(c) Lump sum for works costing under Rs. 5,000 each—			
South Indian Railway	12,257	20,353	32,610
Villupuram-Dharmavaram Railway	9,587	5,952	15,539
Reserve for unforeseen works, South Indian Railway	18,857	29,548	48,405
General charges, Villupuram-Dharmavaram Railway	2,649	..	2,649
Total, "Works"	3,95,000	20,96,947	24,90,947
Stores—			
Stores transactions as per Appendix C	37,01,132	46,96,079	9,94,947
Net demand for Indian outlay	..	..	14,96,000
Amount required to cover indents on England	..	..	..
Total demand	..	..	14,96,000

Appendix B.

To the schedule of demands on Capital Account for the year 1895–96.

—	Cash.	Stores.	Total.
	Rs.	Rs.	Rs.
New Works—			
(b) Not sanctioned—			
South Indian Railway.			
Engineering Department.			
1. Providing arrangements for supply of water from Coum river for Egmore station	4,585	16,736	(a) 21,321
2. Permanent locomotive water-supply at Tulukapatti station	4,000	11,000	(b) 15,000
3. Beach station improvements at Madras	5,309	18,284	(b) 23,593
4. Further locomotive accommodation at Negapatam	35,000	35,000	(c) 70,000 (x)
5. Extending through sidings and platforms at stations on South Indian Railway	17,250	12,750	(d) 30,000
6. Providing two double blocks of staff quarters at Egmore	8,069	1,180	(a) 9,249
7. Providing two double blocks of European drivers' quarters with out-houses, latrines and servants' latrines at Trichinopoly junction	4,942	957	(a) 5,899
8. Providing two additional double blocks of drivers' quarters at Madura	7,264	1,486	(a) 8,750
9. Demolishing the Locomotive Superintendent's office and rebuilding it at another locality at Negapatam	7,410	1,290	(b) 8,700
10. Extension of engine shed by one bay at Trichinopoly junction	20,306	27,076	(c) 47,381
11. Erecting iron tank on 66-lb. rail staging at Trichinopoly junction	520	4,576	(c) 5,096
12. Extension of general offices at Trichinopoly junction	20,700	18,800	(c) 39,500

(a) Board's letter No. 84 of 23rd December 1892.
(b) Do. ,, 116 of 24th November 1893.
(c) Do. ,, 42 of 20th November 1891 and No. 84 of 23rd December 1892.
(d) Do. ,, 842 of 14th November 1890.
(e) Do. ,, 700 of 2nd March 1888.
(x) Communication forwarded in advance—*vide* Agent's No. 1058 of 29th October 1894 to the Consulting Engineer.

To the schedule of demands on Capital Account for the year 1895–96—*cont.*

—	Cash.	Stores.	Total.
	Rs.	Rs.	Rs.
Engineering Department—cont.			
13. Tanjore station arrangements	22,500	7,500	(b) 30,000 (x)
14. Extension of a branch line 6·08 miles in length from Gudur to Tippagunta; aliam	30,000	20,000	(b) 50,000 (x)
15. Strengthening weak girders of 30 feet, 20 feet, 15 feet and 12 feet span bridges on Divisions A and B	13,920	10,984	(f) 24,904 (x)
16. Lowering the line at 252nd and 253rd mile	10,333	41	(f) 10,374 (x)
17. Do at E 253rd and 254th mile	10,333	41	(f) 10,374 (x)
18. Permanent station arrangements at Tirupati East	4,491	3,225	(e) 7,716
19. Do. do. at Villiyampakam	4,101	2,618	(g) 6,719
20. Do. do. at Kille	6,000	3,900	(g) 9,900
21. Do. do. at Manabole	4,099	6,537	(f) 10,636
22. Extending the light iron roof of goods shed and loading bank and providing a cross over at Tinnevelly	3,407	3,912	(d) 7,319
23. Addition of 12 bays to the existing covered way over passengers' platform at Egmore station	1,173	4,775	(f) 5,948
24. Proposed iron tank staging over the existing tank houses and steam pump and shed at Cuddalore Old Town station	1,827	5,089	(f) 6,916
25. Permanent station arrangements at Perambair	6,000	3,900	(f) 9,900
26. Trial station at Shandanur	1,679	5,082	(f) 6,761
Total, Engineering Department ..	2,55,219	2,26,737	4,81,956
Locomotive Department.			
27. Twelve locomotive engines	..	3,00,552	(k) 3,00,552 (c)
28. Fifty-one bogie third-class carriages	..	2,71,586	(k) 2,71,586 (c)
29. Thirty iron low-sided bogie wagons	..	72,900	(k) 72,900 (c)
30. One hundred and twenty-two iron covered goods wagons ..	..	1,73,606	(k) 1,73,606 (c)
31. Twenty water trucks	..	32,000	(k) 32,000 (c)
32. Forty bogie third-class carriages with automatic vacuum brake gear, complete	..	3,34,680	(f) 3,34,680 (x)
33. Substitution of 37 Clemenson under-frames with Fox's pressed steel bogies	..	1,23,062	1,23,062 (y)
34. Apparatus in connection with the manufacture and supply of Pintch's gas	..	1,00,000	1,00,000 (m)
35. Fitting up additional machinery at Pâkala depôt	..	45,000	45,000 (y)
Total, Locomotive Department ..	..	15,53,386	15,53,386
Total, South Indian Railway ..	2,55,219	17,80,123	20,35,342
VILLUPURAM-DHARMAVARAM RAILWAY.			
Engineering Department.			
36. Staff quarters at Pâkala	56,971	14,005	(b) 70,976
Total, Engineering Department ..	56,971	14,005	70,976
Total, Villupuram-Dharmavaram Railway ..	56,971	14,005	70,976
Total ..	3,12,190	17,94,128	21,06,318

(a) Board's letter No. 84 of 23rd December 1892.
(b) Do. ,, 116 of 24th November 1893.
(c) Do. ,, 42 of 20th ,, 1891 and No. 84 of 23rd December 1892.
(d) Do. ,, 842 of 14th ,, 1890.
(f) Application made to the Board for sanction.
(g) Board's letter No. 670 of 5th August 1887.
(k) Balance of minimum requirements sanctioned in Government of India's letter No. 282 R.S. of 31st December 1891. The water trucks form a portion of the goods stock.
(m) Required for the 100 new bogie carriages and for fitting up as many vehicles as possible. Board's sanction not yet received.
(x) Communication forwarded in advance—*vide* Agent's No. 1088 of 29th October 1894 to the Consulting Engineer.
(y) Board's sanction will be applied for.

APPENDIX C.

To schedule of demands on Capital Account for the year 1895–96.

—	Cash.	Stores.	Total.
	Rs.	Rs.	Rs.
"Stores"—			
Value of English stores expected including exchange and insurance.	21,01,132	..	..
Landing, &c., charges on above	50,000	..	..
Indian purchases	14,07,000	..	..
Cash outlay on depôt charges, manufacture, &c.	1,43,000	..	..
Cash outlay on depôt charges, manufacture, &c.	..	20,95,947	..
Issues to Capital works	..	25,00,000	..
Issues to Revenue works	..	1,00,132	..
Issues to Sales	..	..	..
	37,01,132	46,96,079	..
Deduct—Debits to the Indian books by credits to "Expenditure in England," &c.	..	..	..
Net Indian Stores transactions	37,01,132	46,96,079	9,94,947

TRICHINOPOLY,
20th November 1894.

(Signed) W. S. BETTS,
Agent, South Indian Railway.

(Signed) W. M. SIMPSON,
Chief Auditor, South Indian Railway.

(Signed) E. A. LEE,
Examiner, Railway Accounts.

Villupuram-Dharmavaram Section.

Proposition statement of establishment for 1895-96.

Number. Sanctioned, 1894-95.	Number. Proposed, 1895-96.	Designation.	Monthly salary of office.	Present scale for 1894-95—vide G O., No. 444 R., Public Works of 23rd August 1894. Per mensem.	Per annum.	Distribution of charges. Capital.	Revenue.	Total	Proposed scale for 1895-96. Per mensem.	Per annum.	Distribution of charges. Capital.	Revenue.	Total.	Remarks.
				Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs	Rs.	Rs.	
		(1) Direction or General—*Nil.*												
		(2) Engineering.												
		Lower Subordinates.												
1	1	Sub-overseer	Under 100	70	840	840	..	840	70	840	840	..	840	For construction of staff quarters at Pakala.
		Office.												
1	..	Accountant	Under 100	60	49	49	..	49	..	..	..	..	..	Required to close construction accounts and for construction of staff quarters at Pakala.
3	3	Clerks	Do.	90	971	971	..	971	60	720	720	..	720	
1	1	Lascars, cash peons, trollyman, sweepers and police guards.	Do.	7	84	84	..	84	7	84	84	..	84	
		Total ..	..	..	..	1,104	1,104	..	1,104	67	804	804	..	804	
		Travelling allowances	..	..	..	60	60	..	60	5	60	60	..	60
		Office expenses	..	..	10	120	120	..	120	10	120	120	..	120
		Pension and leave contribution ..	..	..	7½	90	90	..	90	6¼	75	75	..	75
		Total, Engineering ..	..	..	..	2,214	2,214	..	2,214	158¼	1,899	1,899	..	1,899
		(3) Stores.												
1	..	Depôt Storekeeper	Under 100	75	900	900	..	900	..	..	..	..	..	
		Office.												
1	..	Clerk	Do.	20	240	240	..	240	..	..	..	..	..	
		Petty.												
7	..	Lascars and watchmen	Do.	42	504	504	..	504	..	..	..	..	..	
		Travelling allowances	..	5	60	60	..	60	..	..	..	..	..	
		Office expenses	..	10	120	120	..	120	..	..	..	..	..	
		Total, Stores ..	..	..	..	1,824	1,824	..	1,824	..	..	..	..	..	

Proposition statement of Establishment for 1895-96—*cont.*

Number. Sanctioned 1894-95.	Number. Proposed 1895-96.	Designation.	Monthly salary of office.	Present scale for 1894-95—*Vide* G.O., No. 446 E., Public Works, dated 23rd August 1894. Per mensem.	Per annum.	Distribution of charges. Capital.	Revenue.	Total.	Proposed scale for 1895-96. Per mensem.	Per annum.	Distribution of charges. Capital.	Revenue.	Total.	Remarks.
		(4) Audit and Accounts.		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
		Office.												
1	1	Accounts clerk	Under 100	75	675	675	..	675	75	450	450	..	450	The Pâkala construction depôt will be closed about the end of February 1895. Provision is made for two clerks until the accounts for 1894-95 are finally closed and Finance Accounts submitted. The staff will be employed on purely capital work.
6	1	Clerks	Under 100	Do.	1,860	1,860	..	1,860	35	210	210	..	210	
2	1	Moochies and peons	Do.	..	168	168	..	168	7	42	42	..	42	
		Travelling allowances	..	..	50	50	..	50	..	..	..	..	..	
		Office expenses	..	..	147	147	..	147	8	48	48	..	48	
		Total, Audit and Accounts ..	..	..	2,900	2,900	..	2,900	125	750	750	..	750	
		Grand Total ..	..	..	6,938	6,938	..	6,938	283½	2,649	2,649	..	2,649	

Trichinopoly,
10th November 1894.

Certified that the entries under the head "Present Scale" have been duly verified by me.

(Signed) T. H. LeMESURIER,
for Agent, South Indian Railway.

(Signed) W. H. SPALDING,
for Chief Engineer.

(Signed) E. A. LEE,
Examiner, Railway Accounts.

(Signed) W. M. SIMPSON,
Chief Auditor, South Indian Railway.

Abstract.

Sub-heads of establishment.	Present scale, 1894-95.	Proposed scale, 1895-96.	Distribution. Capital. 1894-95.	Capital. 1895-96.	Revenue. 1894-95.	Revenue. 1895-96.
	Rs.	Rs.	Rs.	Rs.		
Direction or General	..	..	..	..		
Engineering	2,214	1,899	2,214	1,899	..	..
Locomotive	..	..	..	..	..	..
Traffic	..	..	..	..	..	..
Stores	1,824	..	1,824	..	..	..
Audit and Accounts	2,900	750	2,900	750	..	..
Medical and Sanitation	..	..	..	..	..	..
Total ..	6,938	2,649	6,938	2,649	..	..

Note by the Examiner, Railway Accounts, on the schedule of demands of the South Indian Railway system for 1895-96.

The net demand for expenditure in India has been submitted for Rs. 14,96,000 which is Rs. 8,96,000 in excess of the six months' estimate of the outlay expected to be incurred in 1894-95 as under. The demand is also in excess of the actuals for 1892-93 and 1893-94 :—

—	Six months' estimate, 1894-95.	Demand for 1895-96.	Difference. 1895-96, more.	Difference. 1895-96, less.
	Rs.	Rs.	Rs.	Rs.
(a) Outlay on works—				
(1) Cash expenditure	1,06,000	8,95,000	2,89,000	..
(2) Stores do.	4,38,000	20,95,917	16,57,917	..
Total ..	5,44,000	24,90,917	19,46,917	..
(b) Stores programme—				
(1) Payments—				
Cash outlay	14,00,000	16,00,000	2,00,000	..
London stores	8,69,000	11,00,000	2,31,000	..
Exchange	6,55,316	9,41,133	2,85,817	..
	29,24,316	37,01,133	7,76,817	..
(2) Refunds—				
Issues to works	4,38,000	20,95,947	16,57,947	..
Do. to revenue	23,00,000	25,00,000	2,00,000	..
Sales	1,30,316	1,00,133	..	30,183
	29,68,316	46,96,079	18,27,764	..
Net stores ..	50,000	9,94,947	..	10,60,917
Grand Total ..	5,00,000	14,96,000	8,96,000	..

2. Item No. 9 of Appendix B appears chargeable to Revenue and perhaps also item No. 33.

3. The Board's sanction has not been obtained to several works beyond the Agent's powers of sanction—*vide* notes on the schedule.

4. Against the provision of Rs. 21,321 made for item No. 1 of Appendix B, the Board have sanctioned Rs. 13,500 only.

5. The rate adopted for the conversion of English outlay is 1s. 1¼*d.* per rupee.

6. The allocation of the cost of strengthening bridges is correct for the following reasons :—

On the Madras Railway the cost of the additional plates to each bridge being very trifling, only about Rs. 47, the whole estimate was charged to Revenue. But in the case of the South Indian Railway the additions do not seem to fall under the category of minor improvements but are "substantial improvements" such as those contemplated in clause 64 of the contract with South Indian Railway and the estimate therefore appears correctly allocated.

(Signed) A. GRANT,
Offg. Examiner of Railway Accounts.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Railway.

Read the following paper :—

From the Agent, South Indian Railway, dated 20th November 1894, No. 1150.

ORDER—dated 29th November 1894, No. 635 R., Public Works.

Ordered that the schedule of demands, South Indian Railway (Capital) for 1895-96, with a note thereon by the Examiner of Railway Accounts, be forwarded to the Government of India.

2. The proposed scale of establishment is sanctioned.

[Here enter No. 636 R., dated 29th November 1894.]

(True Extract.)

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

To the Agent, South Indian Railway.
„ Examiner, Railway Accounts, Madras.

Fwd. C. A. Muniswmy.
Spare Copies

RAILWAY.

Govt. of {1894} Madras.

PUBLIC WORKS.

Dated November, 29th.

Read. *Encl.*

G.O., 29th Nov. 1894, No. 635 R.

NOVEMBER.

South Indian Railway

The schedule of demands (Capital) of the — for 1895–96 with a note thereon by the Examiner of Railway Accounts, ordered to be forwarded to the Government of India.

SOUTH INDIAN STATE RAILWAY.

Schedule of demands for capital outlay on "Construction Works" and "Stores Transactions" during the year 1895–96.

—	Cash.	Stores.	Total.
	Rs.	Rs.	Rs.
Works—			
Works in progress—			
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Villupuram-Dharmavaram Railway	200	64,486	64,686
New works—			
(a) Sanctioned as per Appendix A	..	..	..
(b) Not sanctioned as per Appendix B—			
South Indian Railway	2,55,219	17,80,123	20,35,342
Villupuram-Dharmavaram Railway	56,971	14,005	70,976
(c) Lump sum for works costing under Rs. 5,000 each—			
South Indian Railway	12,257	20,353	32,610
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Reserve for unforeseen works, South Indian Railway	18,857	29,548	48,405
General charges Villupuram-Dharmavaram Railway	2,649	..	2,649
Total, "Works"	3,95,000	20,95,947	24,90,947
Stores—			
Stores transactions as per Appendix C	37,01,132	46,98,079	9,94,947
Net demand for Indian outlay	..	..	14,96,000
Amount required to cover indents on England	..	..	..
Total demand	..	..	14,96,000

APPENDIX B.

To the schedule of demands on Capital Account for the year 1895–96.

—	Cash.	Stores.	Total.
	Rs.	Rs.	Rs.
New Works—			
(b) Not sanctioned—			
SOUTH INDIAN RAILWAY.			
Engineering Department.			
1. Providing arrangements for supply of water from Cooum river for Egmore station	4,585	16,736	(a) 21,321
2. Permanent locomotive water-supply at Tulukapatti station	4,000	11,000	(b) 15,000
3. Beach station improvements at Madras	5,309	18,284	(b) 23,593
4. Further locomotive accommodation at Negapatam	35,000	35,000	(c) 70,000 (x)
5. Extending through sidings and platforms at stations on South Indian Railway	17,250	12,750	(d) 30,000
6. Providing two double blocks of staff quarters at Egmore	8,069	1,180	(e) 9,249
7. Providing two double blocks of European drivers' quarters with out-houses, latrines and servants' latrines at Trichinopoly junction	4,942	957	(e) 5,899
8. Providing two additional double blocks of drivers' quarters at Madura	7,264	1,496	(e) 8,760
9. Demolishing the Locomotive Superintendent's office and rebuilding it at another locality at Negapatam	7,410	1,290	(b) 8,700
10. Extension of engine shed by one bay at Trichinopoly junction	20,305	27,076	(e) 47,381
11. Erecting iron tank on 68-lb. rail staging at Trichinopoly junction	620	4,576	(e) 5,096
12. Extension of general offices at Trichinopoly junction	20,700	18,800	(e) 39,500

(a) Board's letter No. 84 of 23rd December 1892.
(b) Do. ,, 116 of 24th November 1893.
(c) Do. ,, 42 of 20th November 1891 and No. 84 of 23rd December 1892.
(d) Do. ,, 842 of 14th November 1890.
(e) Do. ,, 700 of 2nd March 1888.
(x) Communication forwarded in advance—*vide* Agent's No. 1038 of 29th October 1894 to the Consulting Engineer.

To the schedule of demands on Capital Account for the year 1895–96—*cont.*

	Cash.	Stores.	Total.
	Rs.	Rs.	Rs.
Engineering Department—cont.			
13. Tanjore station arrangements	22,500	7,500	(b) 30,000 (x)
14. Extension of a branch line 6·08 miles in length from Gudur to Pippaguntapalium	30,000	20,000	(b) 50,000 (x)
15. Strengthening work girders of 30 feet, 20 feet, 15 feet and 12 feet span bridges on Divisions A and B	13,920	10,984	(f) 24,904 (x)
16. Lowering the line at 252nd and 253rd mile	10,333	41	(f) 10,374 (x)
17. Do at E 253rd and 254th mile	10,333	41	(f) 10,374 (x)
18. Permanent station arrangements at Tirupati East	4,491	3,225	(e) 7,716
19. Do. do. at Villiyampakam	4,104	2,616	(g) 6,719
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Total, Engineering Department ..	2,55,219	2,26,737	4,81,956
Locomotive Department.			
27. Twelve locomotive engines	..	3,00,552	(k) 3,00,552 (c)
28. Fifty-one bogie third-class carriages	..	3,71,586	(k) 3,71,586 (c)
29. Thirty iron low-sided bogie wagons	..	72,900	(k) 72,900 (c)
30. One hundred and twenty-two iron covered goods wagons ..	..	1,73,606	(k) 1,73,606 (c)
31. Twenty water trucks	..	32,000	(k) 32,000 (c)
32. Forty bogie third-class carriages with automatic vacuum brake gear, complete	..	3,34,680	(f) 3,34,680 (x)
33. Substitution of 37 Clemenson under-frames with Fox's pressed steel bogies	..	1,23,062	1,23,062 (y)
34. Apparatus in connection with the manufacture and supply of Pintch's gas	..	1,00,000	1,00,000 (m)
35. Fitting up additional machinery at Pâkala depôt	..	46,000	46,000 (y)
Total, Locomotive Department ..	..	15,53,386	15,53,386
Total, South Indian Railway ..	2,55,219	17,80,123	20,35,342
VILLUPURAM-DHARMAVARAM RAILWAY.			
Engineering Department.			
36. Staff quarters at Pâkala	56,971	14,005	(b) 70,976
Total, Engineering Department ..	56,971	14,005	70,976
Total, Villupuram-Dharmavaram Railway ..	56,971	14,005	70,976
Total ..	3,12,190	17,94,128	21,06,318

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(k) Balance of minimum requirements sanctioned in Government of India's letter No. 282 R.S. of 31st December 1891. The water trucks form a portion of the goods stock.
(m) Required for the 100 new bogie carriages and for fitting up as many vehicles as possible. Board's sanction not yet received.
(x) Communication forwarded in advance—*vide* Agent's No. 1088 of 29th October 1894 to the Consulting Engineer.
(y) Board's sanction will be applied for.

APPENDIX C.

To schedule of demands on Capital Account for the year 1895–96.

	Cash.	Stores.	Total.
	Rs.	Rs.	Rs.
"Stores"—			
Value of English stores expected including exchange and insurance.	21,01,132	..	..
Landing, &c., charges on above	60,000	..	..
Indian purchases	14,07,000	..	..
Cash outlay on depôt charges, manufacture, &c.	1,43,000	..	..
Issues to Capital works	..	20,95,947	..
Issues to Revenue works	..	25,00,000	..
Issues to Sales	..	1,00,132	..
	37,01,132	46,96,079	..
Deduct—Debits to the Indian books by credits to "Expenditure in England," &c.	..	..	..
	37,01,132	46,96,079	9,94,947
Net Indian Stores transactions			

TRICHINOPOLY,
20th November 1894.

(Signed) W. S. BETTS,
Agent, South Indian Railway.

(Signed) W. M. SIMPSON,
Chief Auditor, South Indian Railway.

(Signed) E. A. LEE,
Examiner, Railway Accounts.

Villupuram-Dharmavaram Section.

Proposition statement of establishment for 1895-96.

Number.		Designation.	Monthly salary of office.	Present scale for 1894-95—vide G O., No. 444 R., Public Works of 23rd August 1894.					Proposed scale for 1895-96.					Remarks.
				Per mensem.	Per annum.	Distribution of charges.			Per mensem.	Per annum.	Distribution of charges.			
Sanctioned, 1894-95.	Proposed, 1895-96.					Capital.	Revenue.	Total			Capital.	Revenue.	Total.	
				Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
		(1) Direction or General—*Nil.*												
		(2) Engineering.												
		Lower Subordinates.												
1	1	Sub-overseer	Under 100	70	840	840	..	840	70	840	840	..	840	For construction of staff quarters at Pâkala.
		Office.												
1	..	Accountant	Under 100	60	49	49	..	49	..	..	..	..	..	Required to close construction accounts and for construction of staff quarters at Pâkala.
8	8	Clerks	Do.	90	971	971	..	971	60	720	720	..	720	
1	1	Lascars, cash peons, trollymen, sweepers and police guards.	Do.	7	84	84	..	84	7	84	84	..	84	
		Total ..	..	..	..	1,104	1,104	..	1,104	67	804	804	..	804
		Travelling allowances	..	..	..	60	60	..	60	5	60	60	..	60
		Office expenses	..	10	120	120	..	120	10	120	120	..	120	
		Pension and leave contribution ..	..	7½	90	90	..	90	6¼	75	75	..	75	
		Total, Engineering ..	..	..	..	2,214	2,214	..	2,214	158¼	1,899	1,899	..	1,899
		(3) Stores.												
1	..	Depôt Storekeeper	Under 100	75	900	900	..	900	..	..	..	..	..	
		Office.												
1	..	Clerk	Do.	20	240	240	..	240	..	..	..	..	..	
		Petty.												
7	..	Lascars and watchmen	Do.	42	504	504	..	504	..	..	..	..	..	
		Travelling allowances	..	5	60	60	..	60	..	..	..	..	..	
		Office expenses	..	10	120	120	..	120	..	..	..	..	..	
		Total, Stores ..	..	..	..	1,824	1,824	..	1,824	..	..	..	..	..

Proposition statement of Establishment for 1895–96—*cont.*

Numbers.		Designation.	Monthly salary of office.	Present scale for 1894–95—*Vide* G.O., No. 444 R., Public Works, dated 23rd August 1894.					Proposed scale for 1895–96.					Remarks.
				Per mensem.	Per annum.	Distribution of charges.			Per mensem.	Per annum.	Distribution of charges.			
Sanctioned 1894–95.	Proposed 1895–96.					Capital.	Revenue.	Total.			Capital.	Revenue.	Total.	
		(4) Audit and Accounts.		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
		Office.												
1	1	Accounts clerk	Under 100	75	675	675	..	675	75	450	450	..	450	The Pâkala construction depôt will be closed about the end of February 1895. Provision is made for two clerks until the accounts for 1894–95 are finally closed and Finance Accounts submitted. The staff will be employed on purely capital work.
6	1	Clerks	Do.	Under 100	1,860	1,860	..	1,860	35	210	210	..	210	
2	1	Moochies and peons	Do.	..	168	168	..	168	7	42	42	..	42	
		Travelling allowances	..	..	50	50	..	50	..	..	..	..	..	
		Office expenses	..	..	147	147	..	147	8	48	48	..	48	
		Total, Audit and Accounts ..	..	..	2,900	2,900	..	2,900	125	750	750	..	750	
		Grand Total ..	..	..	6,938	6,938	..	6,938	283½	2,649	2,649	..	2,649	

Certified that the entries under the head "Present Scale" have been duly verified by me.

Trichinopoly,
10th November 1894.

(Signed) T. H. LeMESURIER,
for Agent, South Indian Railway.

(Signed) E. A. LEE,
Examiner, Railway Accounts.

(Signed) W. H. SPALDING,
for Chief Engineer.

(Signed) W. M. SIMPSON,
Chief Auditor, South Indian Railway.

Abstract.

Sub-heads of establishment.	Present scale, 1894–95.	Proposed scale, 1895–96.	Distribution.			
			Capital.		Revenue.	
			1894–95.	1895–96.	1894–95.	1895–96.
	Rs.	Rs.	Rs.	Rs.		
Direction or General	..	..	..	..	..	..
Engineering	2,214	1,899	2,214	1,899	..	..
Locomotive	..	..	..	..	..	..
Traffic	..	..	..	..	..	..
Stores	1,824	..	1,824	..	..	..
Audit and Accounts	2,900	750	2,900	750	..	..
Medical and Sanitation	..	..	..	..	..	..
Total ..	6,938	2,649	6,938	2,649	..	..

Note by the Examiner, Railway Accounts, on the schedule of demands of the South Indian Railway system for 1895–96.

The net demand for expenditure in India has been submitted for Rs. 14,96,000 which is Rs. 8,96,000 in excess of the six months' estimate of the outlay expected to be incurred in 1894–95 as under. The demand is also in excess of the actuals for 1892–93 and 1893–94 :—

	Six months' estimate, 1895–96.	Demand for 1895–96.	Difference	
			1895–96, more.	1895–96, less.
	Rs.	Rs.	Rs.	Rs.
(a) Outlay on works—				
(1) Cash expenditure	1,06,000	3,95,000	2,89,000	..
(2) Stores do.	4,38,000	20,95,947	16,57,947	..
Total ..	5,44,000	24,90,947	19,46,947	..
(b) Stores programme—				
(1) Payments—				
Cash outlay	14,00,000	16,00,000	2,00,000	..
London stores	8,69,000	11,60,000	2,91,000	..
Exchange	6,55,315	9,41,132	2,85,817	..
	29,24,315	37,01,132	7,76,817	..
(2) Refunds—				
Issues to works	4,38,000	20,95,947	16,57,947	..
Do. to revenue	23,00,000	26,00,000	3,00,000	..
Sales	1,30,315	1,00,132	..	30,183
	28,68,315	46,96,079	18,27,764	..
Net stores ..	56,000	8,94,947	..	10,50,947
Grand Total ..	6,00,000	14,96,000	8,96,000	..

2. Item No. 9 of Appendix B appears chargeable to Revenue and perhaps also item No. 33.

3. The Board's sanction has not been obtained to several works beyond the Agent's powers of sanction—*vide* notes on the schedule.

4. Against the provision of Rs. 21,321 made for item No. 1 of Appendix B, the Board have sanctioned Rs. 18,500 only.

5. The rate adopted for the conversion of English outlay is 1*s.* 1¼*d.* per rupee.

6. The allocation of the cost of strengthening bridges is correct for the following reasons :—

On the Madras Railway the cost of the additional plates to each bridge being very trifling, only about Rs. 47, the whole estimate was charged to Revenue. But in the case of the South Indian Railway the additions do not seem to fall under the category of minor improvements but are "substantial improvements" such as those contemplated in clause 61 of the contract with South Indian Railway and the estimate therefore appears correctly allocated.

(Signed) A. GRANT,
Offg. Examiner of Railway Accounts.

PUBLIC WORKS DEPARTMENT.

Railway.

LETTER—from

F. R. UPCOTT, Esq.,

Joint Secretary to the Government of Madras,

Public Works Department,

Railway Branch,

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,

PUBLIC WORKS DEPARTMENT.

SIR,

With reference to paragraph 4 of the Government of India Circular No. 12 R., dated 21st October 1890, I am directed to forward herewith the schedule of demands for the South Indian Railway (Capital) for 1895-96 with a note thereon by the Examiner, Railway Accounts.

I have the honour to be,

Sir,

Your most obedient servant,

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

FORT ST. GEORGE,
29th November 1894.

Exd. C. A. Maniswamy.
Spare Copies

RAILWAY.

Govt. of {1894} Madras.

PUBLIC WORKS.

Dated November, 29th.

Read. *Encl.*

29th Nov. 1894, No. 636 R.

NOVEMBER.

South Indian Railway

Forwarding the schedule of demands (Capital) of the — for 1895–96 with a note thereon by the Examiner of Railway Accounts.

Form No. G. 39.

South Indian STATE RAILWAY.

Schedule of demands for Capital outlay on "Construction Works" and "Stores transactions" during the year 189[illegible]-96.

	Cash.	Stores.	Total.
	Rs.	Rs.	Rs.
WORKS—			
Works in progress ... South Indian Railway ..	39260	191480	230740
Tiruppuram Pkamanarthy	200	54486	54686
New works—			
(a) Sanctioned, as per Appendix A ...	-	-	-
(b) Not sanctioned, " " B ... South Indian Railway	255219	1780123	2035342
Tiruppuram Pkamanarthy	56971	14006	70976
(c) Lump sum for works costing under Rs. 5,000 each ... South Indian Railway	12257	20353	32610
Tiruppuram Pkamanarthy	9587	5952	15539
Reserve for unforeseen works South Indian Ry	18857	29548	48405
General Charges Tiruppuram Pkamanarthy	2649	-	2649
Total "Works" ..	395000	2095947	2490947
STORES—			
Stores transactions, as per Appendix C. ...	3701132	adjs	994947
NET DEMAND FOR INDIAN OUTLAY ..			1496000
Amount required to cover Indents on England			-
Total Demand ..			1496000

2

Dated Trichinopoly, 29th November 1894.

William Betts
Agent, S. I. Ry.

Examined & Audited

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Form No. G. 39.

South Indian STATE RAILWAY.

Schedule of Demands.

Form No. G. 39.

APPENDIX B

To the Schedule of Demands on Capital Account for the year 1895-96.

		Cash.	Stores.	Total.
		Rs.	Rs.	Rs.
	New Works—			
	(b) Not Sanctioned			
1	Providing arrangements for supply of water from Coonoor river at Coonoor	4685	16736	21321
2	Permanent locomotive water cubbie at Kunkapatti station	4000	11000	15000
3	Coach station improvements at Madras	5309	18284	23593
4	Further locomotive accommodation at Negapatam	35000	35000	70000
5	Extending through sidings and platforms at Kalpitiya on Salt Ry	17250	12750	30000
6	Providing two double blocks of staff quarters at Coonoor	8069	1180	9249
7	" Providing two double blocks of European drivers' quarters with bathrooms, latrines, and servants latrines at Trichinopoly Junction	4942	957	5899
8	Providing two additional double blocks of drivers' quarters at Madura	7264	1486	8750
9	Demolishing the locomotive superintendent's office and re-erecting it at another locality at Negapatam	7410	1290	8700
10	Extension of engineering bay at Trichinopoly Junction	20305	27076	47381
11	Erecting iron tank on 68 lb rail staging at Trichinopoly Junction	520	4576	5096
12	Extension of general offices at Trichinopoly Junction	20700	18800	39500
	Carried over...	133934	149155	284489

		Cash.	Stores.	Total.
		Rs.	Rs.	Rs.
	Brought forward...	135554	147135	282689
13	Cumbum station arrangements	22500	7500	30000
14	Extension of a branch line 6.08 miles in length from Cumbum to Kaipparguntapalliam	20000	20000	40000
15	Strengthening weak girders of 20 ft. 20 ft. 15 ft. and 12 ft. span bridges on Periakulam and B.	13920	10984	24904
16	Covering the line at 252nd to 253rd mile	10333	41	10374
17	Do. at 253rd to 254th mile	10333	41	10374
18	Permanent station arrangements at Periyakulam East	4491	3225	7716
19	Do. at Uthiyampalaiyam	4103	2616	6719
20	Do. at Kullu	6000	3900	9900
21	Do. at Manabolu	4099	6537	10636
22	Extending the right iron roof of goods shed and shading bank and providing a cross over at Kuniyellay	3407	3912	7319
23	Addition of 12 bays to the existing covered way over passengers' platform at Egmore Station	1173	4775	5948
24	Proposed iron tank staging over the existing tank in Nursery and steam pump and shed at Kuddalore old Coomsation	1827	5089	6916
25	Permanent station arrangements at Peramboor	6000	3900	9900
26	Trial station at Shandamur	1679	5082	6761
	Total Engineering Department	255219	226737	481956
	Carried over...	255219	226737	481956

Dated Trichinopoly, ... 189 .

Agent, S. I. Ry.

Form No. G. 39.

APPENDIX B.

To the Schedule of Demands on Capital Account for the year

		Cash.	Stores.	Total.
		Rs.	Rs.	Rs.
	Brought forward	255219	226737	481956
	New Works—			
	(b) Not sanctioned ...			
27	12. Locomotive Engines	-	300552	300552
28	51. Bogie third class Carriages	-	371586	371586
29	30. Iron or Steel sided Bogie waggons	"	72900	72900
30	122. Iron Covered goods waggons	-	173606	173606
31	20. Water trucks	-	32000	32000
32	40. Bogie third class Carriages with automatic vacuum Brake gear complete	"	334680	334680
33	Substitution of 376 Engines for underframes with Pressed steel bogies	"	123062	123062
34	Apparatus in connection with the manufacture and supply of Pintsch's gas	"	100000	100000
35	Fitting up additional machinery at Erakala Depot	-	45000	45000
	Total Locomotive Department	-	1553386	1553386
	Total South Indian Ry	255219	1780123	2035342
	Tellicherry Mormugao Extension Engineering Department			
36	Staff Quarters at Erakala	56971	14005	70976
	Total Engineering Dept	56971	14005	70976
	Total Tellicherry Mormugao Ry	56971	14005	70976
	Carried over...	312190	1794128	2106318

	Cash.	Stores.	Total.
	Rs.	Rs.	Rs.
Brought forward...	312190	1794128	2106318

Board's letter No. 84 of 23rd December 1892
do. 116 of 24th November 1893
do. 42 of 20th Nov^r 1891 and 84 of 23rd Dec^r 1892
do. 842 of 14th November 1890
do. 700 of 2nd March 1888.
Application made to the Board for sanction.
Board's letter No. 670 of 5th August 1887.
Balance of minimum requirements sanctioned in Govt. of India's letter No. 294 R. S. of 31st December 1891. Included under stores to form a portion of the goods stock.
Required for the 103 new bogie carriages and for fitting up as many vehicles as possible. Board's sanction not yet received.
Communication forwarded in advance. Vide Agent's No. 1088 of 29th October 1894 to the Superintending Engineer
Board's sanction will be applied for.

TOTAL...	312190	1794128	2106318

6

Dated Trichinopoly,
20th November 1894.

William Betts
Agent, S. I. Ry.

W. Williamson
Ch. Accountant, S. I. Ry.

Examined by Audit

Form No. G. 39.

APPENDIX C.

To Schedule of Demands on Capital Account for the year 1895-96

	Cash.	Stores.	Total.
	Rs.	Rs.	Rs.
"STORES"—			
Value of English stores expected, including Exchange and Insurance	2101132		
Landing, etc., charges on above	30000		
Indian purchases	1407000		
Cash outlay on Depôt charges, manufacture, etc. ...	143000		
Issues to Capital works		209047	
" Revenue "		2500000	
" Sales		100132	
	3701132	4609079	
Deduct—Debits to the Indian books by credits to "Expenditure in England," etc. ...			
Net Indian Stores transactions	3701132	4609079	994947

Dated Trichinopoly,
25th November 1894.

William Betts
Agent, S. I. Ry.

Examined by Audit

W. Williamson
Ch. Accountant, S. I. Ry.

Original

South Indian Railway Company Limited

Villupuram Dharmavaram Section

Proposition Statement of Establishment for 1895-96.

Number Sanctioned Passed 1894-95 1895-96	Designation of Office	Monthly salary	Present scale for 1894-95 Vide G. O. No. 444 K Public Works of 23rd August 1894. Per Office	Per Mussoom	Per Distribution of Charges Capital	Revenue	Total	Present Scale for 1895-96 Per Office	Per Mussoom	Per Distribution of Charges Capital	Revenue	Total	Remarks
			Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	
	(1) Direction & General Establishment												
	(2) Engineering Establishment												
1 1 1	Sub Overseer's Office	Rupees 100	70	840	840	"	840	70	840	840	"	840	For Construction Establishment of Staff Quarters at Cakala.
1	Accountant	do	60	49	49	"	49	"					
3 1 2	Clerks	do	90	971	971	"	971	60	720	720	"	720	Required for Construction Establishment of Staff Quarters at Cakala.
1 1 1	Lascars, Cash peons, bill sweepers and Police guards	do	7	84	84	"	84	7	84	84	"	84	
	Total			1104	1104	"	1104	67	804	804	"	804	
	Travelling allowances	"	"	60	60	"	60	5	60	60	"	60	
	Office Expenses	"	10	120	120	"	120	10	120	120	"	120	
	Overseers leave contribution	"	7½	90	90	"	90	6½	75	75	"	75	
	Total Engineering			2214	2214	"	2214	158½	1899	1899	—	1899	
	(3) Stores Establishment												
1	Depot Storekeeper's Office	Rupees 100	75	900	900	"	900	"					
1	Clerk	do	20	240	240	"	240	"					
7	Peons Lascars and Watchmen	do	42	504	504	"	504	"					
	Travelling allowances	"	5	60	60	"	60	"					
	Office Expenses	"	10	120	120	"	120	"					
	Total Stores			1824	1824	"	1824	"					

Sanctioned Scales for 1895-96

No.	Subdivision of Charges	Capital Account	Revenue Account	Total	Remarks
		£	£	£	
		1150	1150	"	1150
		210	210	"	210
		42	42	"	42
		"	"	"	"
		48	48	"	48
		1450	1450	"	1450
		2649	2649	"	2649

15

The Pakuli Construction Depot will be closed about the end of February 1895. Provision is made for two Clerks until the accounts for 1894-95 are finally closed and Pay accounts submitted. The staff will be employed on purely Capital work.

"Sanctioned Scales" have been adhered to

W. H. Spalding
for Chief Engineer

W. W. Simpson
Chief Auditor
S. A. Ry.

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Abstract

Subheads of Establishment	Distribution: Sanctioned scales 1894-95	Sanctioned scales 1895-96	Proposed scales 1894-95	Proposed scales 1895-96	Capital 1894-95	Capital 1895-96	Revenue 1894-95	Revenue 1895-96
Direction or Generals	"	"	"	"	"	"	"	"
Engineering	2214	1899	2214	1899	"	"	"	"
Locomotive	"	"	"	"	"	"	"	"
Traffic	"	"	"	"	"	"	"	"
Stores	1824	"	1824	"	"	"	"	"
Audit and Accounts	2900	750	2900	750	"	"	"	"
Medical and Sanitation	"	"	"	"	"	"	"	"
Total	6938	2649	6938	2649	"	"	"	"

Note by the Examiner, Railway Accounts, on the Schedule of Demands of the South Indian Railway System for 1895-96.

10

1. The net demand for expenditure in India has been submitted for Rs. 14.96.000/- which is Rs 8.96.000/- in excess of the six months estimate of the outlay expected to be incurred in 1894-95 as under:— The demand is also in excess of the estimate for 92-93 and 93-94 -

	Six months Estimate for 1894-95	Demand for 1895-96	Difference 95-96 more	Difference 95-96 Less
(a) Outlay on works:—				
(i) Cash expenditure —	106000	395000	289000	
(ii) Stores — do —	438000	2095947	1657947	
Total -	544000	2490947	1946947	
(b) Stores programme				
(1) Payments.				
Cash outlay —	1400000	1600000	200000	
London Stores —	869000	1160000	291000	
Exchange —	655315	941132	285817	
	2924315	3701132	776817	
(2) Refunds.				
Issues to works	438000	2095947	1657947	
do - to Revenue	2300000	2500000	200000	
Sales	130315	100132	-	30183
	2868315	4696079	1827764	
Net Stores -	56000	994947	-	105094
Grand Total -	600000	1496000	896000	-

2. Item No 9 of Appendix B. appears chargeable to Revenue and perhaps also item No 33.

3. India should at once be informed of the provision made for items 24, 27 to 34 and 36. as required by para 37 Chapter IV. Vol. II of the Code.

4. The Boards sanction has not been obtained to several works beyond the agents powers of sanction - vide notes on the Schedule.

5. Against the provision of Rs 21,321/- made for item No 1 of Appendix B the Board have sanctioned Rs 18500 only.

6. The proposed scale of establishment may be sanctioned by the Local Government as the salary of no appointment exceeds Rs 250 and as provision has been made in the Schedule of Demands.

7. The rate adopted for the conversion of English outlay is 1s - 1¼d per rupee.

8. The allocation of the cost of strengthening bridges is correct for the following reasons: —

On the Madras Railway the cost of the additional plates to each bridge being very trifling only about Rs 47 the whole estimate was charged to Revenue. But in the case of the South Indian Railway the additions

do

do not seem to fall under the category of minor improvements but are "substantial improvements" such as those contemplated in clause 64 of the Contract with South Indian Railway and the estimate therefore appears correctly allocated.

Agents
Offg. b R

G.O. No 635 R dy 29. 11. 94.

PUBLIC WORKS DEPARTMENT,
RAILWAY BRANCH.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following

Letter from the Agent South Indian Railway } H. E. No 1150 dy 20th Nov 1894

~~Memo by the~~ Extract from Memo by the Examiner Railway accounts Madras } H. E. No — dy 26th —

Ordered that the Schedule of Demands for South Indian Railway (capital), for 1895-96, with extract of a letter thereon by the Examiner of Railway Accounts, be forwarded to the Govt of India.

2. The proposed scale of Establishment is sanctioned. Sagittair Government

To The Agent South Indian Rly
" Examiner Rly Accounts
Madras

H. E. No 636 R dy 29th Nov 1894

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

Sir, With reference to para 4 of the Government of India

DESPATCHED
15 DEC 94

circular No: 12 R+ of 21st Oct. 1890, I am directed to forward herewith the Schedule of demands for the South Indian Railway (capital) for 1895-96 with extracts from a note thereon by the Examiner Railway accounts.

30 NOV 94

DEPT. 13 DEC 94

A. No 635-6R of 29.11.94.

Form No. 708.

SOUTH INDIAN RAILWAY.

Department.

DETAILS OF ESTIMATE No. PLAN No.

WORK..... Name Strengthening Weak Girders
Position

Final Head of Account	Quantity	DESCRIPTION OF WORK	Rate Rs A P	Unit	Cash to be expended in India. Rs A P	Value of Stores Rs A P	Total value of work to be done. Rs A P	Chargeable to Capital. Cash. Rs A P	Chargeable to Capital. Stores. Rs A P	Chargeable to Revenue. Cash Rs A P	Chargeable to Revenue. Stores Rs A P
IV		**Bridge Work**									
		(2) Minor Bridges (Continued)									
		Plating the bottom flanges of Cross Girders 20 ft: Span Deck Type Plan No. 224/911									
		Details of One Span									
.19 Span		Plate	120	Ton		23	23		23		
.105 Span		Rivets	280	"		14	14		14		
1 Span		Labor in drilling holes in plates, Riveting, Scaffolding, and Carriage of Materials	100	Per Span	100		100	100			
					100	37	137	100	37		
		Contingencies @ 5%			5	2	7	5	2		
					105	39	144	105	39		
		For 28 Spans in 21 Bridges			2940	1092	4032	2940	1092		
		Plating the bottom flanges of Cross Girders of 15' & 11' 6" Spans Deck Type Plan No. 224/911									
		Details of One Span									
.14 Span		Plates	120	Ton		17	17		17		
.0225 Span		Rivets	280	"		6	6		6		
1 Span		Labor in drilling holes in plates Riveting, Scaffolding and Carriage of Materials	65	Per Span	65		65	65			
					65	23	88	65	23		
		Contingencies at 5%			3	1	4	3	1		
					68	24	92	68	24		
		For 89 Spans in 64 Bridges			6052	2136	8188	6052	2136		
IX		**Plant**									
		1 Engineering									
		Cost of portable Forges tools &c which will be distributed to the various works when Completed at 5% on Capital expenditure Rs 71337				3567	3567		3567		

Form No. 708.

SOUTH INDIAN RAILWAY.

Department.

DETAILS OF ESTIMATE No. PLAN No.

WORK { Name Strengthening Weak Girders
Position

Final Head of Account	Quantity	DESCRIPTION of WORK.	Rate. Rs	A	P.	Unit	Cash to be expended in India. Rs	A	P	Value of Stores. Rs	A	P.	Total value of work to be done. Rs	A	P	Chargeable to Capital. Cash. Rs	A	P.	Stores. Rs	A	P.	Chargeable to Revenue. Cash Rs	A	P.	Stores. Rs	A
II		Bridge Work																							
		(2) Minor Bridges																							
		Removing Existing 20 ft Span weak girder and substituting a Stronger type Plan No 201/911																							
		Details of one Span																							
2·71 Tons		Main and Cross Girders	334	..		Tons	..	..		905	..		905	..		..	..		698	..		..	..		207	..
33 Cft		Longitudinal timber	5	..		Cft	..	..		165	..		165	..		..	..		..	..		..	..		165	..
1 Span		Labor in removing existing Girders, fixing the new Girders including temporary Cradles and Carriage of Materials	115	..		per Span	115	..		..	..		115	..		..	..		..	..		..	..		..	..
		Contingencies @ 5%					115	..		1070	..		1185	..		..	..		698	..		115	..		372	..
							6	..		54	..		60	..		..	..		35	..		6	..		17	..
		Deduct Cost of existing Girders to be removed (1·8 Tons @ 20-0-0)					121	..		1124	..		1245	..		..	..		733	..		121	..		391	..
							..	..		23	..		23	..		..	..		..	..		..	..		23	..
		For 3 Span in 3 bridges					121	..		1101	..		1222	..		..	..		733	..		121	..		368	..
							363	..		3303	..		3666	..		..	..		2199	..		363	..		1104	..
		Adding plates to the top and bottom of 24 ft Weak Main Girders Plan No 195/911 B																							
		Details of One Span																							
1·08 Tons		Plates	180	..		Tons	..	..		194	..		194	..		..	..		194	..		..	..		..	..
·16		Plates and angle iron bracings	185	..		"	..	..		30	..		30	..		..	..		30	..		..	..		..	..
·3		Rivets	180	..		"	..	..		54	..		54	..		..	..		54	..		..	..		..	..
1 Span		Labor in drilling holes in plates & rivets	360	..		per Span	360	..		..	..		360	..		360	..		..	..		..	..		..	..
—		Carriage of Girders &c &c removing and refixing	60	..		"	60	..		..	..		60	..		..	..		..	..		..	..		..	..
		Contingencies @ 5%					420	..		278	..		698	..		360	..		278	..		60	..		..	..
							21	..		14	..		35	..		18	..		14	..		3	..		..	..
		For 3 Spans in 2 bridges					441	..		292	..		733	..		378	..		292	..		63	..		..	..
							1323	..		876	..		2199	..		1134	..		876	..		189	..		..	..

Form No. 708.-

SOUTH INDIAN RAILWAY.

Department.

DETAILS OF ESTIMATE No. PLAN No.

WORK..... { Name Strengthening Weak Girders
Position

Final Head of Account	Quantity	DESCRIPTION of WORK.	Rate. Rs A P	Unit	Cash to be expended in India. Rs A P	Value of Stores Rs A P	Total value of work to be done. Rs A P	Chargeable to Capital. Cash. Rs A P	Chargeable to Capital. Stores. Rs A P	Chargeable to Revenue Cash. Rs A P	Chargeable to Revenue Stores. Rs
II		Bridge Work									
		(1) Major Bridges (Continued)									
		Removing the existing 3-20 ft Girders and Substituting a Stronger type as 208/912 Plan No. 201/14									
8·13 Tons		Main and Cross Girders	334 - -	Ton	- - -	2715 - -	2715 - -	- - -	2094 - -	- - -	621 -
98 Cft		Longitudinal Girders	5 - -	Cft	- - -	490 - -	490 - -	- - -	- - -	- - -	490
3 Span		Labor in removing existing Girders fixing the new Girders including temporary Cradles and Carriage of Materials	115 - -	Per Span	345 - -	- - -	345 - -	- - -	- - -	345 - -	- -
					345 - -	3205 - -	3550 - -	- - -	2094 - -	345 - -	1111 -
		Contingencies at 5%			17 - -	160 - -	177 - -	- - -	105 - -	17 - -	55 -
					362 - -	3366 - -	3727 - -	- - -	2199 - -	362 - -	1166 -
		Deduct Cost of Old girders removed (3·45 Tons @ 20-0-0)			- - -	69 - -	69 - -	- - -	- - -	- - -	69 -
					362 - -	3296 - -	3658 - -	- - -	2199 - -	362 - -	1097 -
		Plating the bottom flange of Cross Girders 20 ft Deck Type Plan No. 2214/914									
		Details of one Span									
·19 Tons		Plates	120 - -	Ton	- - -	23 - -	23 - -	- - -	23 - -	- - -	-
·05 - -		Rivets	280 - -	-	- - -	14 - -	14 - -	- - -	14 - -	- - -	-
1 Span		Labor in drilling holes in plates, rivetting Scaffolding and Carriage of Materials.	100 - -	Per Span	100 - -	- - -	100 - -	100 - -	- - -	- - -	-
					100 - -	37 - -	137 - -	100 - -	37 - -	- - -	-
		Contingencies @ 5%			5 - -	2 - -	7 - -	5 - -	2 - -	- - -	-
					105 - -	39 - -	144 - -	105 - -	39 - -	- - -	-
		For 35 Spans of the following bridges			3675 - -	1365 - -	5040 - -	3675 - -	1365 - -	- - -	-

4 Spans at 261/14 3/4 Miles
4 — " — " — 266/642 — " —
3 — " — " — 273/8 — " —
5 — " — " — 279/11 — " —
3 — " — " — 286/7 — " —
3 — " — " — 300/14 — " —
3 — " — " — 393/9 — " —
3 — " — " — 408/6 — " —
3 — " — " — 415/10 — " —
3 — " — " — 430/5 — " —

Form No. 708.

SOUTH INDIAN RAILWAY.

Department.

DETAILS OF ESTIMATE No. PLAN No.

WORK..... Name Strengthening Weak Girders
Position

Final Head of Account	Quantity	DESCRIPTION OF WORK	Rate. Rs. A. P.	Unit	Cash to be expended in India. Rs A P	Value of Stores Rs A P	Total value of work to be done. Rs A P	Chargeable to Capital. Cash. Rs A P	Chargeable to Capital. Stores. Rs A P	Chargeable to Revenue. Cash Rs A P	Chargeable to Revenue. Stores Rs A P
II		**Bridge Work**									
		(1) Major Bridges (Continued)									
		Adding plates to top and bottom of Cross Girder of 30 ft Span Continuous girder with diversion (Continued) B. J.			500	208	708	500	208		
1 Span		Temporary diversion including Earth work and laying Permanent Way	200	per span	200	.. .. ..	200	.. .. ..	.. .. ..	200	.. .. ..
		Contingencies at 5%			700	208	908	500	208	200	.. .. ..
					35	10	45	25	10	10	.. .. ..
		For 5 Spans as the following bridges			735	218	953	525	218	210	.. .. ..
		3 Spans at ₹ 262/2 miles									
		2 ——— ₹ 247/2 —"—									
					3675	1090	4765	2625	1090	1050	.. .. ..
		Adding plates to the top and bottom of 20 ft Weak main girders Plan No. 19/4 B									
		Details of one Span.									
108 Nos		Plate	180	Nos	.. .. ..	194	194	.. .. ..	194	.. .. ..	.. .. ..
16		Flat and angle iron bracings	185	"	.. .. ..	30	30	.. .. ..	30	.. .. ..	.. .. ..
3		Rivets	340	"	.. .. ..	102	102	.. .. ..	102	.. .. ..	.. .. ..
1 Span		Labor in drilling holes in plates and rivetting	360	per span	360	.. .. ..	360	360	.. .. ..	.. .. ..	.. .. ..
		Carriage of Girders to & labor in removing and refixing	60		60	.. .. ..	60	.. .. ..	.. .. ..	60	.. .. ..
					420	326	746	360	326	60	.. .. ..
		Contingencies @ 5%			21	16	37	18	16	3	.. .. ..
					441	342	783	378	342	63	.. .. ..
		For 13 Spans as the following bridges									
		10 Spans at 217/8 Miles									
		3 ——— ₹ 236/16 ———									
					5733	4446	10179	4914	4446	819	.. .. ..

Form No. 708.

SOUTH INDIAN RAILWAY.

Engineering Department.

DETAILS OF ESTIMATE No. PLAN No.

WORK..... {Name — Strengthening Weak Girders
{Position

Head of Account	Quantity	DESCRIPTION OF WORK.	Rate. Rs	A	P	Unit	Cash to be expended in India. Rs	A	P	Value of Stores. Rs	A	P	Total value of work to be done. Rs	A	P	Chargeable to Capital. Cash. Rs	A	P	Chargeable to Capital. Stores. Rs	A	P	Chargeable to Revenue. Cash Rs.	A	P	Chargeable to Revenue. Stores Rs	A
		Capital																								
V		Bridge Work																								
		III Major Bridges																								
		Adding plates to top and bottom of Cross Girder of 30ft Span Continuous Girder																								
		Plan No. 224/94																								
		Details of one Span																								
1.01 Tons		Plate	180	..	..	Ton	..	..	..	182	..	..	182	..	..	..	..	..	182	..	..	..	..	..	..	..
.32		Rivets	280	..	..	"	..	..	..	90	..	..	90	..	..	..	..	..	90	..	..	..	..	..	..	..
1 span		Labor in drilling holes in plates riveting Scaffolding, Carriage of Materials &c	400	..	..	per Span	400	..	..	..	..	..	400	..	..	400	..	..	..	..	..	..	..	..	..	..
							400	..	..	272	..	..	672	..	..	400	..	..	272	..	..	..	..	..	..	..
		Contingencies @ 5%					20	..	..	14	..	..	34	..	..	20	..	..	14	..	..	..	..	..	..	..
							420	..	..	286	..	..	706	..	..	420	..	..	286	..	..	..	..	..	..	..
							20580	..	..	14014	..	..	34594	..	..	20580	..	..	14014	..	..	..	..	..	..	..

For 49 spans of the following bridge
7 span at ₹ 261/5 miles
7 ——— ₹ 238/3 " ———
5 ——— ₹ 237/2 " ———
5 ——— ₹ 236/10 " ———
8 ——— 235/2 " ———
4 ——— 232/11½ " ———
3 ——— 231/16 " ———
4 ——— 233/3 " ———
4 ——— 234/4 " ———
49

Adding plates to the top and bottom of Cross Girder of 30 ft Span Continuous Girder with dimension Plan No. 224/94

		Details of one Span																								
97 3 Tons		Plate	120	..	..	Ton	..	..	..	116	..	..	116	..	..	..	..	..	116	..	..	..	..	..	..	..
.33		Rivets	280	..	..	"	..	..	..	92	..	..	92	..	..	..	..	..	92	..	..	..	..	..	..	..
1 span		Labor in drilling holes in plates, riveting Scaffolding Carriage of Materials &c	500	..	..	per Span	500	..	..	..	..	..	500	..	..	500	..	..	..	..	..	..	..	..	..	..
							500	..	..	208	..	..	708	..	..	500	..	..	208	..	..	..	..	..	..	..
		Carried over																								

Form No. 706.

SOUTH INDIAN RAILWAY.

_____ Department.

ABSTRACT OF ESTIMATE No. _____ PLAN No. _____

WORK { Name Strengthening Weak Girders
Position _____

Final Head of Account	DESCRIPTION OF WORK	Cash to be expended in India. Rs	A	P	Value of Stores Rs	A	P	Total value of work to be done Rs	A	P	Chargeable to Capital. Cash. Rs	A	P	Chargeable to Capital. Stores. Rs	A	P	Chargeable to Revenue. Cash Rs	A	P	Chargeable to Revenue. Stores Rs	A	P	REMARKS.
	Brought forward	44703	"	-	31618	"	-	76321	"	-	41920	"	-	29417	"	-	2783	"	-	2201	"	-	
IX	Plant																						
1	Engineering	"	"	-	3567	"	-	3567	"	-	"	"	-	3567	"	-	"	"	-	"	"	-	
	Total Rupees	44703	"	-	35185	"	"	79888	"	-	41920	"	-	32984	"	"	2783	"	-	2201	"	-	

Funds required on Capital account Viz: Cash Rs 28000 and Stores Rs 22000 will be met from the unallotted grant for unsanctioned works Capital Budget 1894-95 and the balance Rs 13920 Cash and Rs 10984 Stores will be provided for in the Budget for 1895-96. Funds on Revenue account Viz: Rs 3323 will be met from Head III - Abstract A Revenue Budget 1894-95 and the balance Rs 1661 from the same head and abstract Revenue Budget 1895-96 Owing to its urgency the work has been put in hand without formal Sanction under instructions from the Consulting Engineer for Railways and the outlay is being debited to Revenue. On receipt of Sanction necessary adjustment will be made.—

William Betts
Consulting Engineer for Railways
Dated

Agent.
Dated

Examiner of Railway Accts.
Dated 22. 8. 94

Chief Auditor.
Dated 17th August 1894

Francis J. Smith
Chief Engineer.
Dated 18 August 1894

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1894

A. Originals

For

December

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GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

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Kerosine-oil carried in sound iron drums.—Letter to the Government of India forwarding the report of the Chemical Examiner stating that — is practically safe and suggesting certain modifications in the rules relating to its packing.	4th do. do. No. 646 R.	9th Oct. 1894, No. 1176 D.
Railway from Tinnevelly to Quilon.—Letter from the Government of India calling for certain information in connection with the application from Mr. Lavelle of Bangalore for a concession to construct a —, ordered to be forwarded to the Resident in Travancore through the Political Department.	5th do. do. No. 649 R.	18th Sept. 1894, Nos. 491-92 R. 25th Sept. 1893, No. 1252 R. 21st June 1893, No. 958 R. 28th Feb. 1893, No. 443 R.
Budget grant for 1894-95 *of the South Indian Railway.*—The Government of India furnished with a joint report by the Consulting Engineer and Government Examiner of Accounts on the probable lapse that will occur on the — due to the inability on the part of the Board of Directors to utilize fully the sum placed at their disposal for the purchase of stores in England.	5th do. do. No. 650 R.	12th Dec. 1893, No. 1440 R. 12th Dec. 1893, No. 1439 R. 21st Dec. 1892, No. 3057 R.

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Land required by the Madras Railway for staff quarters at Manur, North Arcot district.—Notification for the acquisition of certain —, ordered to be published in the *Fort St. George Gazette.*	8th do. do. No. 653 R.	.....
Land required by the Madras Railway for station purposes and staff quarters at Arkónam, North Arcot district.—Notification for the acquisition of certain —, ordered to be published in the *Fort St. George Gazette.*	8th do. do. No. 654 R.	.....
Classified List and Distribution Return.—The proof sheet of the — corrected up to December 1894 for railways under the control of this Government, forwarded to the Government of India.	10th do. do. No. 673 R.	.....
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Land required for rail road at Vungutur, Godávari district.—Notification for the acquisition of certain —, ordered to be published in the *Fort St. George Gazette.*	11th do. do. No. 677 R.	.....
Railway map of the Madras Presidency and India.—The — corrected up to date, returned to the Honorable the Chief Secretary to the Government of Madras.	11th do. do. No. 680 R.	.....
Promotion recommendation rolls of Executive Engineers, 1st grade, and above.—The — for the year ending 31st December 1894 (confidential).	11th do. do. No. 683 R.	.....
Revenue transactions of the Mdyaveram-Muttupet Railway.—The Government of India informed that the — are adjusted monthly and that the estimate of the current year therefore provided for twelve months' transactions.	13th do. do. No. 686 R.	20th Feb 1894, No. 108 R. 12th Oct. 1894, No. 545 R. 12th Oct. 1894, No. 546 R.
Surplus profit and contribution to the Provident Fund.—Letter to the Government of India stating that the amount of the — payable to the South Indian Railway Company was not shown separately from working expenses in the six months' estimate of revenue transactions for 1894–95, as this distinction was not made in previous years and that this will be done in future as required by that Government.	14th do. do. No. 690 R.	12th Oct. 1894, No. 543 R. 12th Oct. 1894, No. 544 R.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Madras Railway.—The Government of India informed of the terminal charges in operation on the —.	14th Dec. 1894, No. 691 R.	20th Nov. 1891, No. 2800 R. 22nd Jan. 1892, Nos. 189–90 R.
His Highness the Nizam's Guaranteed State Railway Company (Limited).—A list of rolling stock in use on the — showing the carrying capacity of the carriages when available for troop traffic, forwarded to the Government of India.	15th do. do. No. 692 R.	.....
South Indian Railway Board's letter No. 141, dated 16th November 1894.—Two copies of —, forwarded to the Government of India.	15th do. do. No. 693 R.	22nd Aug. 1894, No. 838 D 27th Aug. 1894, No. 877 D. 31st Aug. 1894, No. 924 D. 2nd Oct. 1894, No. 1137 D.
Land required for the diversion of channel by the Executive Engineer, East Coast Railway.—Notification for the acquisition of certain —, ordered to be published in the *Fort St. George Gazette.*	15th do. do. No. 694 R.	.....
Tents.—Sanction accorded to the carriage of Mr. Pinto's — to his new appointment on special duty.	15th do. do. No. 697 R.	.....
Land required for the Madras-Ennore Railway.—Notification for the acquisition of certain —, ordered to be published in the *Fort St. George Gazette.*	17th do. do. No. 699 R.	.....
Land required for the railway siding at Pottipad, Kistna district.—Notification for the acquisition of certain —, ordered to be published in the *Fort St. George Gazette.*	17th do. do. No. 709 R.	.....
Joint station expenses account.—The Government of India furnished with the views of the Agents, Madras and South Indian Railways, in regard to the inclusion of the cost of land in the charges which should be debited to the —.	18th do. do. No. 701 R.	.....
Tinnevelly-Quilon Railway Survey.—Letter to the Government of India stating that His Highness the Maharajah of Travancore has sanctioned the final acceptance of the proposal that the cost of the — be borne in the first instance by that Government, that a sum of Rs. 70,000 has been paid into the treasury by the Travancore Government and that work has commenced.	18th do. do. No. 704 R.	14th Dec. 1894, No. 4064 C. 15th Nov. 1894, No. 3605 C. 3rd Nov. 1894, No. 601 R. 9th Oct. 1894, No. 1178 D. 17th Sept. 1894, No. 1057 D. 25th Sept. 1894, No. 505 R.
Mr. E. I. Shadbolt, Executive Engineer.—The orders of the Government of India requested on the question regarding the date from which the services of — can be held to commence.	18th do. do. No. 705 R.	.....

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Revised code initials.—Letter to the Government of India submitting — for adoption on the Madras Railway in substitution of those in use at present on that line.	21st Dec. 1894, No. 708 R.	.....
Minutes of official meeting No. 6 of 1894, South Indian Railway.—The — approved, and copies ordered to be forwarded to the Government of India.	21st do. do. No. 709 R.	.....
Forwarded	21st do. do. No. 710 R.	.....
"*Gazette of India.*"—The Government of India requested to supply a copy of the — to the Engineer-in-Chief, Arsikere-Mangalore Railway Survey at Bangalore, from 2nd November 1894 up to date and of all future issues.	21st do. do. No. 711 R.	21st Sept. 1894, No. 2384 W.
Temporary subordinates employed on State Railways.—A nominal roll of —, constructed or being surveyed under the control of this Government forwarded to the Government of India.	21st do. do. No. 712 R.	.....
Bezwada Extension Railway for 1895.—Ordered that copies of the establishment estimates of the —, together with letter from the Agent and Manager, His Highness the Nizam's Guaranteed State Railway, be forwarded to the Government of India.	22nd do. do. No. 713 R.	.....
Forwarded	22nd do. do. No. 714 R.	.....
Mr. C. E. Brown, Overseer.—The Government of India informed that — has been transferred from the South Indian Railway to the Arsikere-Mangalore Railway Survey, and that he was relieved of his duties on the former line on the afternoon of the 2nd December 1894.	22nd do. do. No. 723 R.	.....
Stationery articles.—The Superintendent of Stationery authorised to supply certain — indented for by the Engineer-in-Chief, Arsikere-Mangalore Railway Survey.	22nd do. do. No. 726 R.	.....
Mr. C. H. Bond.—Appointment of — as a temporary Engineer on the Tinnevelly-Quilon Railway Survey.	22nd do. do. No. 727 R.	.....
Apothecary.—Appointment of an — to the Arsikere-Mangalore Railway Survey, sanctioned with remarks.	31st do. do. No. 728 R.	.....