Date taken out.	For what purpose.			Initials of clerk taking the paper or of attender.	Date returned.	Initials of attender.
	Department.	C. No.	Year			

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Railway.

Read the following paper :—

G.O., dated 19th July 1890, No. 489, Financial.

Read—endorsement of the Public Works Department, dated 16th July 1890, No. 458 D., transferring the following endorsement of the Consulting Engineer for Railways, dated 12th July 1890, No. 494, submitting the following letter from the Agent, South Indian Railway, dated 10th July 1890, No. 967 :—

Will you please substitute the accompanying statements of probable expenditure upon, and proposed establishment for, the Tiruválúr-Mutupet Railway from 1st July 1890 to 31st March 1891 for those statements which I sent to you with my letter No. 852 of the 13th ultimo.

2. The Chief Engineer reports that the difference of Rs. 1,020 is due to provision having been made for two surveyors and their travelling allowance for three months from 1st July to 30th September 1890.

Enclosures.

MAYAVARAM-MUTUPET RAILWAY—TIRUVALUR-MUTUPET SECTION.

Abstract of Estimate of probable Expenditure up to 31st March 1891.

Head of Account.	Description.	Estimated cost of Tiruvalur-Mutupet Section. 29·953 say 30 miles.			Probable Expenditure up to 31st March 1891.				Balance.
		Cash.	Stores.	Total.	Cash.	Stores. Indian.	Stores. English.	Total.	
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
I.	Preliminary expenses	16,200	..	16,200	..	..	..	..	16,200
II.	Land	75,329	..	75,329	75,329	..	..	75,329	..
III.	Construction of line—								
	1. Earthwork	1,09,995	..	1,09,995	50,000	..	..	50,000	59,995
	2. Bridge-work—								
	(1) Minor bridges and culverts.	1,60,260	8,121	1,68,381	50,000	1,587	,461	56,048	1,12,333
	(2) Large bridges	1,93,550	63,500	2,57,050	75,000	11,575	,895	1,27,470	1,29,580
	(3) Tunnels	..	..	..	..	..	..	..	..
	(4) Level-crossings ..	8,742	2,682	11,424	2,000	..	..	..	9,424
	(5) Fencing	462	4,158	4,620	..	..	..	2,000	..
	(6) Temporary telegraph ..	..	..	..	..	..	4,620	4,620	..
IV.	Ballast and Permanent-way—				..	..	..	..	..
	1. Ballasting	32,003	..	32,003	5,000	..	..	5,000	27,003
	2. Permanent-way	28,029	4,74,350	5,02,379	1,000	1,78,200	2,15,954	3,95,154	1,07,225
V.	Stations and Buildings—								
	1. Stations and offices	34,962	13,735	48,697	8,000	1,750	3,065	17,815	30,882
	2. Workshops and Store buildings	..	..	..	..	..	..	..	..
	3. Staff quarters	13,354	4,167	17,521	5,000	1,175	..	6,175	11,346
	4. Station machinery	14,197	23,243	37,440	1,000	1,686	15,401	18,087	19,353
VI.	Electric Telegraph	16,200	..	16,200	8,100	..	..	8,100	8,100
VII.	Plant at 3 per cent. on Final heads III, IV and V	..	35,685	35,685	..	5,000	..	5,000	30,685
VIII.	Rolling-stock	..	..	..	..	..	..	..	..
IX.	Maintenance	..	..	..	..	..	..	..	..

Abstract of Estimate of probable Expenditure up to 31st March 189[illegible]—*cont.*

Head of Account.	Description.	Estimated cost of Tiruvalur-Mutupet Section. 29·953 say 30 miles. Cash.	Stores.	Total.	Probable Expenditure up to 31st March 1891. Cash.	Stores. Indian.	Stores. English.	Total.	Balance.
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
X.	Establishment—								
	1. Direction at 2½ per cent. on English expenditure ..	10,087	..	10,087	..	..	5,000	5,000	5,087
	2. Indian agency at 4 per cent. on Indian expenditure ..	37,178	..	37,178	9,687	..	..	9,687	27,491
	3. Engineering at Rs. 2,955 per mile	88,650	..	88,650	34,683	..	..	34,383	53,967
XI.	Contingencies at 5 per cent. on Final head X	6,796	..	6,796	2,400	..	..	2,400	4,396
	Total ..	8,45,994	6,29,641	14,75,635	3,27,199	2,00,973	2,94,396	8,22,568	6,53,067

Proposed Establishment List from 1st July to 31st March 1891.

Description.	Number of each grade.	Maximum rate of salary.	Total amount per mensem.	Total for half-year.	Remarks.
		Rs.	Rs.	Rs.	
Field Staff required from 1st July to 30th September 1890.					
Assistant Engineer, 2nd class, 2nd grade.	1	591	591	1,773	
Allowance of do. do. ..	1	75	75	225	
Surveyors	2	125	250	750	
Assistant Inspectors	6	60	360	1,080	
Clerk	1	25	25	75	
Storekeeper	1	25	25	75	
Lascars	9	8	64	192	
Watchmen	4	7	28	84	
Allowance of subordinates	..	45	165	495	
Stationery and office stores	..	50	50	150	
Total ..	..	..	..	4,899	
Field Staff required from 1st October 1890 to 31st March 1891.					
Engineers { One 1st class, 1st grade .. / One 2nd class, 2nd grade .. }	2	864	1,455	8,730	1 @ 864, 1 @ 591.
Allowance of do. do. ..	2	150	300	1,800	
Inspectors	4	250	660	3,960	1 @ 250, 1 @ 160, 2 @ 125.
Assistant Inspectors	6	60	360	2,160	
Clerks	8	75	280	1,680	2 @ Rs. 75 and 2 @ Rs. 25 each and 4 @ Rs. 20 each.
Cashiers	2	75	150	900	
Apothecaries	1	50	50	300	
Storekeepers	4	35	140	840	
Lascars	31	8	219	1,314	
Watchmen	16	7	112	672	2 @ Rs. 8 and 29 @ Rs. 7 each.
Allowance for Subordinate Superintendents.	10	90	540	3,240	4 to each Storekeeper. 4 Inspectors @ Rs. 90 and 6 Assistant Inspectors @ Rs. 30 each.
Allowance for Cashiers and Apothecaries.					
Stationery and office stores	4	15	60	360	
Contingencies	2	50	100	600	
	2	50	100	600	
Total ..	..	..	..	27,156	
Employment at Head-quarter for 9 months.					
Clerks	3	50	80	720	1 @ Rs. 50, 1 @ Rs. 20 and 1 @ Rs. 10.
Draughtsmen	6	45	105	945	
Peon	1	7	7	63	1 @ Rs. 45, 1 @ Rs. 20 and 4 @ Rs. 10 each.
Stationery and office stores and other contingencies	..	100	100	900	
Total ..	..	..	..	2,628	
Grand Total ..	..	..	..	34,683	

Order—dated 19th July 1890, No. 489, Financial.

The revised statement will be accepted in place of that recorded in G.O., No. 450, dated 30th June 1890, Financial.

(True Extract.)

(Signed) J. F. PRICE,
Chief Secretary.

ORDER—dated 7th August 1890, No. 1141 R., Public Works.

Communicated to the Consulting Engineer for Railways with reference to his endorsement No. 494, dated 12th July 1890.

2. The revised establishment list submitted by the Agent, South Indian Railway, to be substituted for that embodied in G.O., No. 972 R., dated 8th July 1890, is sanctioned subject to the confirmation of the Government of India.

3. A copy of these Proceedings will be forwarded to the Government of India in continuation of Public Works Department letter No. 973 R., dated 8th July 1890.

(Here enter No. 1142 R., dated 7th August 1890.)

(True Extract.)

Major, R.E.,
Under-Secy. to Govt., P.W.D.,
Railway Branch.

To the Consulting Engineer for Railways.
" Examiner, Public Works Accounts.
" Examiner, Guaranteed Railway Accounts.
" Financial Department.
" Local and Municipal Department.
" Revenue Department.

Exd. J. Moses.
Spare Copies

RAILWAY.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated August, 7th.

Recd. *Encl.*

G.O., 7th Aug. 1890, No. 1141 R.

AUGUST.

Tiruvalur-Mutupet Section of the Mayavaram-Mutupet Railway

Proceedings, Financial Department, accepting the revised statements of probable expenditure upon, and proposed establishment for, the — from 1st July 1890 to 31st March 1891, communicated with remarks to the Consulting Engineer for Railways.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Railway.

Read the following paper :—

G.O., dated 19th July 1890, No. 489, Financial.

Read—endorsement of the Public Works Department, dated 16th July 1890, No. 458 D., transferring the following endorsement of the Consulting Engineer for Railways, dated 12th July 1890, No. 494, submitting the following letter from the Agent, South Indian Railway, dated 10th July 1890, No. 967 :—

Will you please substitute the accompanying statements of probable expenditure upon, and proposed establishment for, the Tiruválúr-Mútupet Railway from 1st July 1890 to 31st March 1891 for those statements which I sent to you with my letter No. 852 of the 13th ultimo.

2. The Chief Engineer reports that the difference of Rs. 1,020 is due to provision having been made for two surveyors and their travelling allowance for three months from 1st July to 30th September 1890.

ENCLOSURES.

MAYAVARAM-MUTUPET RAILWAY—TIRUVALUR-MUTUPET SECTION.

ABSTRACT of Estimate of probable Expenditure up to 31st March 1891.

Head of Account.	Description.	Estimated cost of Tiruvalur-Mutupet Section. 29·953 say 30 miles.			Probable Expenditure up to 31st March 1891.				Balance.
		Cash.	Stores.	Total.	Cash.	Stores. Indian.	Stores. English.	Total.	
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
I.	Preliminary expenses	16,200	..	16,200	..	..	..	..	16,200
II.	Land	75,329	..	75,329	75,329	..	..	75,329	..
III.	Construction of line—								
	1. Earthwork	1,09,995	..	1,09,995	50,000	..	..	50,000	59,995
	2. Bridge-work—								
	(1) Minor bridges and culverts.	1,60,260	8,121	1,68,381	50,000	1,587	4,461	56,048	1,12,333
	(2) Large bridges	1,93,550	63,500	2,57,050	75,000	11,675	40,895	1,27,470	1,29,580
	(3) Tunnels	..	..	..	..	..	..	..	..
	(4) Level-crossings	8,742	2,682	11,424	2,000	..	..	2,000	9,424
	(5) Fencing	462	4,158	4,620	..	..	4,620	4,620	..
	(6) Temporary telegraph ..	..	..	..	..	..	..	..	..
IV.	Ballast and Permanent-way—								
	1. Ballasting	32,003	..	32,003	5,000	..	..	5,000	27,003
	2. Permanent-way	28,029	4,74,350	5,02,379	1,000	1,78,200	2,15,954	3,95,154	1,07,225
V.	Stations and Buildings—								
	1. Stations and offices	34,962	13,735	48,697	8,000	1,750	8,065	17,815	30,882
	2. Workshops and Store buildings	..	..	..	..	..	..	..	..
	3. Staff quarters	13,354	4,167	17,521	5,000	1,175	..	6,175	11,346
	4. Station machinery	14,197	23,243	37,440	1,000	1,686	15,401	18,087	19,353
VI.	Electric Telegraph	16,200	..	16,200	8,100	..	..	8,100	8,100
VII.	Plant at 3 per cent. on Final heads III, IV and V	..	35,685	35,685	..	5,000	..	5,000	30,685
VIII.	Rolling-stock	..	..	..	..	..	..	..	..
IX.	Maintenance	..	..	..	..	..	..	..	..

Abstract of Estimate of probable Expenditure up to 31st March 1891—*cont.*

Head of Account.	Description.	Estimated cost of Tiruvalur-Mutupet Section. 29·953 say 30 miles. Cash.	Stores.	Total.	Probable Expenditure up to 31st March 1891. Cash.	Stores. Indian.	Stores. English.	Total.	Balance.
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
X.	Establishment—								
	1. Direction at 2½ per cent. on English expenditure ..	10,087	..	10,087	..	..	5,000	5,000	5,087
	2. Indian agency at 4 per cent. on Indian expenditure ..	37,178	..	37,178	9,687	..	..	9,687	27,491
	3. Engineering at Rs. 2,955 per mile	88,650	..	88,650	34,683	..	..	34,383	53,967
XI.	Contingencies at 5 per cent. on Final head X	6,796	..	6,796	2,400	..	..	2,400	4,396
	Total ..	8,45,994	6,29,641	14,75,635	3,27,199	2,00,973	2,94,396	8,22,568	6,53,067

Proposed Establishment List from 1st July to 31st March 1891.

Description.	Number of each grade.	Maximum rate of salary.	Total amount per mensem.	Total for half-year.	Remarks.
Field Staff required from 1st July to 30th September 1890.		Rs.	Rs.	Rs.	
Assistant Engineer, 2nd class, 2nd grade.	1				
Allowance of do. do. ..	1	591	591	1,773	
Surveyors	2	75	75	225	
Assistant Inspectors	6	125	250	750	
Clerk	1	60	360	1,080	
Storekeeper	1	25	25	75	
Lascars	9	25	25	75	
Watchmen	4	8	64	192	
Allowance of subordinates	..	7	28	84	
Stationery and office stores	..	45	165	495	
Total ..	..	50	50	150	
	..	..	..	4,899	
Field Staff required from 1st October 1890 *to 31st March* 1891.					
Engineers { One 1st class, 1st grade .. / One 2nd class, 2nd grade .. }	2	864	1,455	8,730	1 @ 864, 1 @ 591.
Allowance of do. do. ..	2	150	300	1,800	
Inspectors	4	250	660	3,960	
Assistant Inspectors	6	60	360	2,160	1 @ 250, 1 @ 160, 2 @ 125.
Clerks	8	75	280	1,680	
Cashiers	2	75	150	900	2 @ Rs. 75 and 2 @ Rs. 25 each and 4 @ Rs. 20 each.
Apothecaries	1	50	50	300	
Storekeepers	4	35	140	840	
Lascars	31	8	219	1,314	
Watchmen	16	7	112	672	2 @ Rs. 8 and 29 @ Rs. 7 each.
Allowance for Subordinate Superintendents.	10	90	540	3,240	4 to each Storekeeper.
Allowance for Cashiers and Apothecaries.	4				4 Inspectors @ Rs. 90 and 6 Assistant Inspectors @ Rs. 30 each.
Stationery and office stores	2	15	60	360	
Contingencies	2	50	100	600	
Total ..		50	100	600	
	..	..	..	27,156	
Employment at Head-quarter for 9 months.					
Clerks	3	50	80	720	
Draughtsmen	6				1 @ Rs. 50, 1 @ Rs. 20 and 1 @ Rs. 10.
Peon	1	45	105	945	
Stationery and office stores and other contingencies	..	7	7	63	1 @ Rs. 45, 1 @ Rs. 20 and 4 @ Rs. 10 each.
		100	100	900	
Total ..	..	..	..	2,628	
Grand Total ..	..	..	..	34,683	

Order—dated 19th July 1890, No. 489, Financial.

The revised statement will be accepted in place of that recorded in G.O., No. 450, dated 30th June 1890, Financial.

(True Extract.)

(Signed) J. F. PRICE,
Chief Secretary.

ORDER—dated 7th August 1890, No. 1141 R., Public Works.

Communicated to the Consulting Engineer for Railways with reference to his endorsement No. 494, dated 12th July 1890.

2. The revised establishment list submitted by the Agent, South Indian Railway, to be substituted for that embodied in G.O., No. 972 R., dated 8th July 1890, is sanctioned subject to the confirmation of the Government of India.

3. A copy of these Proceedings will be forwarded to the Government of India in continuation of Public Works Department letter No. 973 R., dated 8th July 1890.

(Here enter No. 1142 R., dated 7th August 1890.)

(True Extract.)

(Signed) T. GRACEY, Lieut.-Colonel, R.E.,
Offg. Joint Secy. to Govt., P.W.D.,
Railway Branch.

To the Consulting Engineer for Railways.
" Examiner, Public Works Accounts.
" Examiner, Guaranteed Railway Accounts.
" Financial Department.
" Local and Municipal Department.
" Revenue Department.

ENDORSEMENT—dated 7th August 1890, No. 1142 R., Public Works.

Forwarded.

(By Order.)

Lieut.-Colonel, R.E.,
Offg. Joint Secy. to Govt., P.W.D.,
Railway Branch.

Exd. J. Moses.
Spare Copies

RAILWAY.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated August, 7th.

Read. *Encl.*

G.O., 7th Aug. 1890, Nos. 1141, 1142 R.

AUGUST.

Tiruvalur-Mutupet Section of the Mayavaram-Mutupet Railway

Forwarding revised statements of probable expenditure upon, and proposed establishment for, the — from 1st July 1890 to 31st March 1891.

Financial Department.

CHIEF SECRETARIAT MADRAS.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following paper:—

Endorsement of the Public Works Department, dated 16th July 1890 No. 458 D, transferring the following.

Endorsement of the Consulting Engineer for Railways, dated 12th July 1890 No. 494, submitting the following letter from the Agent, South Indian Railway, dated 10th July 90 No. 967.

Will you please substitute the accompanying Statements of probable expenditure upon, and proposed Establishment for, the Tiruvalur Mutupet Railway from 1st July 1890 to 31st March 1891 for those Statements which I sent to you with my letter No. 852 of the 13th Ultimo.

The Chief Engineer reports that the difference of Rs 1020/- is due to provision having been made for two Surveyors and their travelling allowance for three months from 1st July to 30th September 1890.

Order.

Order:—dated 19th July 1890 No. 489

The revised statement will be accepted in place of that recorded in G. O. No. 450 dated 30th June 1890. Financial.

(True Extract)

O'Brady

Major R.E.,

Under Secretary P. W. D.

for Chief Secretary.

To the Public Works Department ✓

" " Accountant-General.

" " Local and Municipal Department.

Mayavaram Mutlupet Railway
Tiruvalur Mutlupet Section
Abstract of Estimate of probable Expenditure upto 31st March 1891.

Head of Account	Description	Estimation Cost of Tiruvalur Mutlupet Section 29.953 Say 30 miles			Probable Expenditure upto 31st March 1891.				Balance
						Stores			
		Cash	Stores	Total	Cash	Indian	English	Total	
I	Preliminary Expenses	16200	"	16200	"	"	"	"	16200
II	Land	75329	"	75329	75329	"	"	75329	"
III	Construction of Line								
	1. Earthwork	109.995	"	109.995	50000	"	"	50000	59.995.
	2. Bridgework								
	i. Minor Bridges & Culverts	160.260	8121	168381	50000	1587	44461	56048	112,333
	ii Large Bridges	193550	63500	257050	75000	11575	40895	127,470	129.580
	3 Tunnels								
	4 Level Crossings	8742	2682	11424	2000	"	"	2000	9424
	5. Fencing	462	4158	4620	"	"	4620	4620	"
	6. Temporary Telegraph								
II	Ballast and Permanent Way								
	1. Ballasting	32,003	"	32003	5000	"	"	5000	27003.
	2. Permanent Way	28029	474350.	502379	1000	178200	215.954	395.154	107.225.
V	Stations and Buildings								
	1. Stations and offices	34962	13735	48697	8000	1750	8065	17815	30882.
	2. Workshops and Store Buildings								
	3 Staff Quarters	13354	4167	17521	5000	1175	"	6175	11346.
	4 Station Machinery	14197	23243	37,440	1000	1686	15401	18087	19353
VI	Electric Telegraph	16200	"	16200	8100	"	"	8100	8100
VII	Plant @ 3 % on Final Heads III & IV		35685	35685	"	5000	"	5000	30685
VIII	Rolling Stock								
IX	Maintenance								
X	Establishment								
	1. Direction @ 2½ % on English Expenditure	10087	"	10087	"	"	5000	5000	5087.
	2. Indian Agency @ 4% on Indian Expenditure	37178	"	37178	9687	"	"	9687	27491
	3 Engineering @ Rs 2950 per mile	88.650	"	88650	34683	"	"	34683	53967.
XI	Contingencies @ 5 % on Final Head X	6796	"	6796	2400	"	"	2400	4396.
	Total Rs	845994	629641	1475635	327199	200973	294396	822568	653067.

Mayavaram Mutupet Railway
Tiruvalur Mutupet Section
Proposed Establishment list from 1st July to 31st March 1891.

Description	Number of each grade.	Maximum rate of salary	Total amount per annum	Total for Half year.	
Field Staff required from 1st July to 30th September 1890.					
Assistant Engineer 2nd Class 2nd grade	1	591	591	1773	
Allowance of ——— ditto ———	1	75	75	225	
Surveyors	2	125	250	750	
Assistant Inspectors	6	60	360	1080	
Clerk	1	25	25	75	
Storekeeper	1	25	25	75	
Cascars	9	8	64	192	
Watchmen	4	7	28	84	
Allowance of Subordinates	"	45	165	495	
Stationery and office Stores	"	50	50	150	
Total	"	"	"	4899	
Field Staff required from 1st October 1890 to 31st March 1891					
Engineers { One 1st Class 1st grade / One 2nd ——— " 2nd }	2	864	1455	8730	1/864. 1/591
Allowance of ——— ditto ———	2	150	300	1800	
Inspectors	4	250	660	3960	1/250, 1/160, 2/125
Assistant Inspectors	6	60	360	2160	
Clerks	8	75	280	1680	2@Rs 75 + 2@Rs 25 each + 4@Rs 20 each
Cashiers	2	75	150	900	
Apothecaries	1	50	50	300	
Storekeepers	4	35	140	840	
Cascars	31	8	219	1314	2@Rs 8 + 29@Rs 7 each.
Watchman	16	7	112	672	4 to each Storekeeper
Allowance for Subordiriate Superintendents	10	90	540	3240	4 Inspectors@Rs 90 + 6 asst Inspectors @Rs 60 each
——do—— for Cashiers and apothecaries	4	15	60	360	
Stationery and office Stores	2	50	100	600	
Contingencies	2	50	100	600.	
Total	"	"	"	27,156.	
Employment at Head Quarter for 9 months.					
Clerks	3	50	80	720	1@Rs 50, 1@Rs 20 + 1@Rs 10
Draughtsmen	6	45	105	945	1@Rs 45, 1@Rs 20 + 4@Rs 10 each.
Peon	1	7	7	63	
Stationery and office Stores & other Contingencies	"	100	100	900	
Total	"	"	"	2628.	
Grand Total Rs	"	"	"	34683.	

Pol. Cdc. 7274.

[6]

Govt. of {18 } Madras.

To

The S.W.D. Secretariat

Vide Cc. 7275

Rd 2-8-90

Rec 2

Proceedings, dated 19 July 1890
No. 489

Subject.

Accepting the revised statements of probable expenditure open and proposed Estabt. for the Tiruvadur Muthupet Railway.

A

No. 1141-42 R dy 7th Augt 90.

Ad. 6/8 R 7-8.

A

Ex. A No. 972 R dy 8.7.90
No. 1141 R dy 7th Augt 90.

J.S. 7/8/90

Communicated to the Consulting Engineer for Railways with reference to his endorsement No. 494 dated 12th July 1890.-

2. The revised establishment list submitted by the Agent S. I. Railway to be substituted for that embodied in G.O. No 972 R dated 8th July 1890 is sanctioned subject to the confirmation of the Govt. of India.

3. A copy of these Proc: will be forwarded to the Govt. of India in continuation of P.W.D. letter No: 973 R dated 8th July 1890.

P.W. No 1142 R dy 7th Augt 1890
Forwarded

For
For Secy: to Govt.

To The Consulting Engr for Rlys
--- Examr P.W. Accts
--- do --- Gr Rly Accts
--- Financial Deptt
--- Local & Munl Deptt
--- Revenue Deptt.

5/8/90

D 15/8

7274.

Govt. of {18 } Madras.

PUBLIC WORKS.

Printed

Dated

Rectd. Encl.

G.O., 7th August 1890. No. 1141-2K.

Divisional Inspector
Section of the Mayuveram
Inspector Railway.

Prop: Final Estimate
for revised Estimate
of probable expenditure
upon proposed Estate
for the — from 1st July 1870
to 31st March 1891. Cannot
with Remarks to the
CE for Rep: —

130
& do — do — do
70

Prop: revised Estimate
of probable expenditure
upon proposed Estate
for the — from 1st July 1870
to 31st March 1891.

Sec 7/8/1

1890.

P. W. Department.

Current No. 6620.

From Railway Engr for Rlys.

No. 494. 1141 / 1142 Encls.—3.

Dated 12. 7. 90.

Received 14. 7. 90.

Subject.

Trivadur Mutupet Railway

Submitting revised statements of probable expenditure upon, and proposed establishment for the —, from 1-7-90 to 31-3-91.

Disposal.

No. D. Dated 188 .

Transmit to the Financial Dept for favor of necessary action with reference to Financial G.O. No 450 of 30.6.90.

14.7. Despd. 16/7/90 for S.G. R.

5th August 1890, No. 1129 R., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Railway.

Read the following paper :—

From the Consulting Engineer for Railways, dated Madras, 31st July 1890, No. 527.

Note on the Establishment List, Nellore Branch of Villupuram-Guntakal State Railway, for the half-year ending 31st December 1890.

Engineering Department.—There is a reduction of Rs. 1,200 for the half-year due to a Sub-Engineer having retired, and it was not considered necessary to fill up his place :—

Summary.

—	Actual expenditure in second half of 1889.	Sanctioned estimate in the first half of 1890.	Estimated expenditure in second half of 1890.
	Rs.	Rs.	Rs.
Engineers' salaries	5,987	4,200	4,200
Allowance of Engineers, including travelling	646	720	720
Subordinate Superintendents	4,570	4,020	2,820
Allowance of ditto including travelling	437	300	300
Office establishment	3,000	2,169	2,169
Proportion of Engineers head-quarters establishment ...	...	2,500	2,500
Total ...	14,640	13,909	12,709

Maintenance	1/90.	2/90.
	Rs.	Rs.
Ordinary	21,897	20,955
Extraordinary	...	...
Total ...	21,897	20,955
General superintendence	13,909	12,709
Total ...	35,806	33,664
Per mile of single line (83 miles)	431	406
Per mile of track including sidings (90 miles)	398	374

(Signed) SIDNEY SMITH, Major, R.E.,
for Offg. Consulting Engineer for Railways.

Submitted to Government for transmission to the Director-General of Railways.

ORDER—dated 5th August 1890, No. 1129 R., Public Works.

Approved.

2. Nine copies of the establishment lists will, as usual, be forwarded to the Director-General of Railways.

(Here enter No. 1130 R., dated 5th August 1890.)

(True Extract.)

(Signed) T. GRACEY, Lieut.-Colonel, R.E.,
Offg. Joint Secy. to Govt., P.W.D.,
Railway Branch.

To the Consulting Engineer for Railways.
" Examiner, Guaranteed Railway Accounts.

ENDORSEMENT—dated 5th August 1890, No. 1130 R., Public Works.

Forwarded.

(By Order.)

Lieut.-Colonel, R.E.,
Offg. Joint Secy. to Govt., P.W.D.,
Railway Branch.

Exd. J. Moses.
Spare Copies

RAILWAY.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated August, 5th.

Recd. *Encl.*

G.O., 5th Aug. 1890, Nos. 1129 R., 1130 R.

AUGUST.

Establishment Lists

Forwarding the — (Maintenance) of the Nellore Branch of the Villupuram-Guntakal State Railway for the half-year ending 31st December 1890.

SOUTH INDIAN RAILWAY,

NELLORE BRANCH

OF THE

VILLUPURAM-GUNTAKAL STATE RAILWAY.

ESTABLISHMENT ESTIMATE

(MAINTENANCE)

FOR THE

HALF-YEAR ENDING 31ST DECEMBER, 1890.

G. W. TAYLOR, LAWRENCE ASYLUM PRESS—1890.

SOUTH INDIAN RAILWAY.

Engineering Department.

ABSTRACT **A.**

NELLORE BRANCH.

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

	Actuals for Half-year ended 31st Dec., 1889.	Sanction for Half-year ending 30th June, 1890.		Proposed for Half-year ending 31st December, 1890.				REMARKS.
		Number.	Total for Half-year.	Number of each Grade	Maximum rate of salary.	Total per mensem.	Total for Half-year.	
	Rs.		Rs.		Rs.	Rs.	Rs.	
Executive Engineer, 3rd Grade	4,200	1	4,200	1	700	700	4,200	
Sub-Engineer, 1st Grade	1,150	1	1,200	...	...	...	...	....Retired from service.
Sub-Overseer	600	1	300	1	50	50	300	
Inspector	1,500	1	1,500	1	250	250	1,500	
Do.	432	1	360	1	60	60	360	
Assistant Inspector	300	1	300	1	50	50	300	
Sub-Inspectors	360	2	360	2	30	60	360	
Supervisor	227	...	...	...	...	...	...	
Storekeeper	..	1	150	1	25	25	150	
Clerks	1,086	6	996	6	50	166	996	
Duftry		1	90	1	15	15	90	
Draughtsman	30	...	...	..	...	...	...	
Peons and Lascars	233	7	288	7	8	48	288	
Watchman	...	1	36	1	6	6	36	
Sweeper	32	1	24	1	4	4	24	
Engineer's Allowances	543	...	720	...	120	120	720	
Subordinates' Allowances	516	...	300	...	50	50	300	
Office Allowances	...	...	225	...	37½	37½	225	
Contingencies	...	...	60	...	10	10	60	
Stationery and Office Stores	337	...	300	...	50	50	300	
Proportion of Engineering Head-Quarters' Establishment	2,638	...	2,500	...	...	...	2,500	
Total	14,214	...	13,909	...	...	...	12,709	

CHIEF ENGINEER'S OFFICE,
TRICHINOPOLY,
30th April, 1890.

FRANCIS F. SMITH,
for *Chief Engineer.*

SOUTH INDIAN RAILWAY.

Engineering Department.

NELLORE BRANCH.

Distribution Return of Engineering Establishment for Half-year ending 31st December, 1890.

—	Executive Engineer.	Inspectors.	Assistant Inspectors	Sub-Overseer.	Sub-Inspectors.	Storekeeper.	Clerks.	Duftry.	Peons and Lascars.	Watchman.	Sweeper.	Total.
	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.
Nellore Branch ...	1	2	1	1	2	1	6	1	7	1	1	24

CHIEF ENGINEER'S OFFICE,
TRICHINOPOLY,
30th April, 1890.

FRANCIS F. SMITH,
for *Chief Engineer*.

SOUTH INDIAN RAILWAY.

Engineering Department.

Estimate for Maintenance, Half-year ending 31st December, 1890.

NELLORE BRANCH.

MAIN LINE—Nellore to Tirupati.

	Departmentally.			By Contract.			Total.		
	Miles.	Chains.	Links.	Miles.	Chains.	Links.	Miles.	Chains.	Links.
Main Line { Double ...	...	...	...	...	...	...	...	...	...
Main Line { Single ...	82·77	...	...	...	...	...	82·77	...	..
Sidings	7·33	...	...	...	...	...	7·33	...	...
Total...	90·10	...	...	.	...	...	90·10	...	...

Head.	Description of Works.	Ordinary.
	Maintenance—Permanent Way.	Rs.
II	**(1) Wages.—**	
	31 Gangs ... ... Rs. 1,224-0-0 × 6 ...	7,344
	Establishment ... ... „ 111-0-0 × 6 ..	666
	(2) Materials.—	
	Ballast	
	Stores (oil, waste, chalk, &c.)	
	Bolts and nuts, keys, &c.	4,500
	Rails...	
	Sleepers	
	Total, Head II...	12,510
	Repairs—Bridges, &c.	
III	(1) Bridges and Tunnels	350
	(2) Miscellaneous	2,650
	Earthwork ... ... Rs. 2,300	
	Fencing ... ... „ 100	
	Roads and Level Crossings ... ... „ „	
	Miscellaneous ... ... „ 250	
	Total, Head III...	3,000

REMARKS.

Gangers.				Coolies.				Total.	No. of Gangs employed.
No.	Rate.		Amount.	No.	Rate.		Amount.		
	Rs.	a. p.	Rs. a. p.		Rs.	a. p.	Rs. a. p.	Rs. a. p.	
1	11	0 0	11 0 0	8	5	8 0	44 0 0	55 0 0	1
1	10	0 0	10 0 0	8	5	8 0	44 0 0	54 0 0	1
1	10	0 0	10 0 0	8	5	0 0	40 0 0	50 0 0	1
1	9	0 0	9 0 0	6	5	8 0	33 0 0	42 0 0	1
1	8	0 0	8 0 0	6	5	8 0	33 0 0	41 0 0	1
1	7	0 0	7 0 0	6	5	8 0	33 0 0	40 0 0	1
1	9	0 0	9 0 0	6	5	0 0	30 0 0	39 0 0	1
1	8	0 0	8 0 0	6	5	0 0	30 0 0	38 0 0	7
1	7	0 0	7 0 0	6	5	0 0	30 0 0	37 0 0	4
1	6	0 0	6 0 0	6	5	0 0	30 0 0	36 0 0	13
									1

	Rs.	A.	P.
2 Carpenters	40	0	0
2 Blacksmiths	40	0	0
2 Hammermen	16	0	0
1 Painter	15	0	0
Rs. ...	111	0	0

SOUTH INDIAN RAILWAY.

Engineering Department.

Estimate for Maintenance, Half-year ending 31st December, 1890.

NELLORE BRANCH—*continued.*

MAIN LINE—Nellore to Tirupati.

Head.	Description of Works.	Ordinary.
	Repairs—Stations and Buildings.	Rs.
IV.	(1) Repairs of buildings of every description including station yards and signals, but excepting quarters of the Staff	1,500
	(2) Repairs of Staff quarters	1,500
	Total, Head IV ...	3,000
	Maintenance by Contract.	
V.	(1) Amount paid to Contractors	.....
	(2) Materials supplied by the Company	.....
	Total, Head V ...	.....
	Unclassified Expenditure.	
VII.	(1) Plantation	1,200
	(2) Tools and Plant	
	(3) Loss on Stores in stock	
	(4) Loss on Exchange	
	(5) Carriage of Revenue Stores	
	Total, Head VII ..	1,200
	Grand Total...	19,710

CHIEF ENGINEER'S OFFICE,
TRICHINOPOLY,
30th April, 1890.

FRANCIS F. SMITH,
for *Chief Engineer.*

SOUTH INDIAN RAILWAY.

Engineering Department.

Estimate for Maintenance, Half-year ending 31st December, 1890.

NELLORE BRANCH—*concluded.*

HEAD No. VI—New Minor Works.

Sanction Reference.	Description of Works.	Estimated total outlay.	Probable Expenditure to end of previous Half-year.	Estimated Expenditure for Half-year.
		Rs.	Rs.	Rs.
	Vide India Government Circular No. V. of 26-2-89, P. W. D.	1,245	...	1,245
	Total...	1,245	...	1,245

Extraordinary Works.

Sanction Reference.	Description of Works.	Estimated total outlay.	Probable Expenditure to end of previous Half-year.	Estimated Expenditure for Half-year.
	Nil.			

CHIEF ENGINEER'S OFFICE,
TRICHINOPOLY, 30*th April*, 1890.

FRANCIS F. SMITH,
for *Chief Engineer.*

SOUTH INDIAN RAILWAY.

Engineering Department.

Abstract of Estimate of Maintenance for Half-year ending 31st December, 1890.

	Total 83 miles single line.		
	Average per month.	For Half-year.	
	Amount.	Amount.	Per mile.
	Rs.	Rs.	Rs.
I. General Superintendence	2,118	12,709	153
II. Maintenance and Renewals of Permanent Way.			
Ordinary	2,085	12,510	151
Extraordinary	.....	.....	.....
III. Repairs, Bridges, &c.			
Ordinary	500	3,000	36
Extraordinary	.....	.....	.....
IV. Repairs of Stations and Buildings.			
Ordinary	500	3,000	36
Extraordinary	.....	.....	.....
V. Maintenance by Contract	.....	.....	.....
VI. New Minor Works	208	1,245	15
VII. Unclassified Expenditure.			
Ordinary	200	1,200	14
Extraordinary	.....	.....	.....
Total ..	5,611	33,664	405

Chief Engineer's Office,
Trichinopoly,
30th April, 1890.

FRANCIS F. SMITH,
for *Chief Engineer.*

SOUTH INDIAN RAILWAY.

Engineering Department.

ABSTRACT **A.**

Estimate for Maintenance for Half-year ending 31st December, 1890.

		Rs.	A.	P.	Rs.	A.	P.
I. General Superintendence	...	...	...	...	12,709	0	0
(1) Engineers' Salaries	...	4,200	0	0			
(2) Allowance of ditto including travelling	...	720	0	0			
(3) Subordinate Superintendents	...	2,820	0	0			
(4) Allowances of ditto including travelling	...	300	0	0			
(5) Overtime Allowances	...	...	...	...			
(6) Office Expenses	...	2,169	0	0			
Proportion of Engineering Head-quarters' Establishment	...	2,500	0	0			
II. Maintenance, Permanent Way	...	...	...	...	12,510	0	0
(1) Wages	...	8,010	0	0			
(2) Materials	...	4,500	0	0			
III. Repairs, Bridges, &c.	...	...	...	...	3,000	0	0
(1) Bridges and Tunnels	...	350	0	0			
(2) Miscellaneous including Earthwork, &c.	...	2,650	0	0			
IV. Repairs of Stations and Buildings	...	...	...	...	3,000	0	0
(1) Repairs of buildings of every description including station yards and signals, but excepting quarters of the Staff	...	1,500	0	0			
(2) Repairs of Staff quarters	...	1,500	0	0			
V. Maintenance by Contract	...						
(1) Amount paid to Contractors	...	...	...	...			
(2) Materials supplied by the Company	...	...	...	...			
VI. New Minor Works	...	1,245	0	0	1,245	0	0
VII. Unclassified Expenditure	...	...	...	...	1,200	0	0
(1) Plantation	...						
(2) Tools and Plant	...						
(3) Loss on Stores in stock	...	1,200	0	0			
(4) Loss on Exchange	...						
(5) Carriage of Revenue Stores	...						
Total...		...	...	...	33,664	0	0

CHIEF ENGINEER'S OFFICE,
TRICHINOPOLY,
30th April, 1890.

FRANCIS F. SMITH,
for *Chief Engineer.*

Sidney Smith
Major R.E.
for Offg: Consg: Engineer
for Railways

Pw Encl 7239/90

1129-30P

Note on the Establishment List, Nellore Branch of Villupuram Gudalur State Railway for the half year ending 31st December 1890.

Engineering Department:—

There is a reduction of Rs. 1,200 for the half year due to a Sub. Engineer having retired and it was not considered necessary to fill up his place.

Summary.

	Actual expenditure in 2nd half of 1889.	Sanctioned estimate in the 1st half of 1890.	Estimate expenditure in 2nd half of
	Rs	Rs	Rs.
Engineers' Salaries	5,987	4,200	4,2
Allowance of Engineers including travelling	646	720	
Subordinate Superintendents	4,570	4,020	2,8
Allowance of do including travelling	437	300	
Office establishment	3,000	2,169	2,
Proportion of Engineer's Rs 2 Quarters Establishment	"	2,500	2,5
Total Rs	14,640	13,909	12,

Main

Maintenance	1/90	2/90.
	Rs	Rs
Ordinary - -	21,897	20,955
Extraordinary -	"	"
Total	21,897	20,955
General Superintendence - -	13,909	12,709
Total	35,806	33,664
Per mile of single line (83 miles)	431	406
Per mile of track including sidings (90 miles)	398	374

Pw Encl 7239/90

Sidney Smith
Major R.E.
for Offg: Cons: Engr: for Rys.

Form No. 1.

Public Works Department.

Office of Consulting Engineer for Railways,

Madras. 31st July 1890.

Sanct

The Establishment Estimate (maintenance) of the Nellore Branch of Villupuram Gentakal State Railway for the half year ending 31st December 1890 with note by the Consulting Engineer for Railways thereon.

No. 527

Submitted _____ to _____ Government, for

Sanct

transmission to the Director General of Railways.

Sidney Smith
Major R
for Offg: Cons: Engr: for Rail

Subject.—

Form No. 3.

P.W. Cdn. 7239

From

THE CONSULTING ENGINEER
FOR RAILWAYS,
MADRAS,

No. 527

Dated 31st July 1890.
Received 1-8-90

No. OF ENCLOSURES. 2

Subject.

Submitting, for transmission to the Director-General of Railways, the Establishment Estimate (Maintenance) of the Nellore Branch, V.G.P.Rly, for the half year ending 31st December 1890, with a note thereon.

A

No. 1129-30 R dt 5th Aug 1890.

A

No. 1129 R dt 5th Aug 1890.

Approved.
4/8/90

2. Nine copies of the Establishment list will, as usual, be forwarded to the Director General of Railways.

E. No 1130 R dt 5th Augt 1890

Forwarded.

For
For C.R.
H/8/90

Despt 16/8/90

Despt 16/8/90

Conveyance for Rs
Cr. Rs. Rejected.

27-8-90.

4/8.

Form No. 2.

Govt. of 18 Madras.

PUBLIC WORKS.

Dated

Recd. Encl.

G.O., 5th August 1890, No. 1129-R.

Establishment Lists

Re — (maintenance)
of the Pollam Branch
of the Villupuram-Pondicherry
State Railway for the
year ending 31st Dec
1890 — appointed to be
submitted to the Govt
of India.

Establishment Lists

Of the — (maintenance)
the Pollam Branch
the Villupuram Pondicherry
Railway for the year
— ending 31st Dec. 1890.

20TH FEBRUARY 1890, No. 272 R., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Railway.

Read again the following paper:—

G.O., dated 24th October 1889, No. 1153 R., Public Works.

From the Consulting Engineer for Railways, dated Madras, 5th October 1889, No. 383.

From the Agent, South Indian Railway, dated 30th September 1889, No. 1248.

Submitted to Government with reference to G.O., No. 706 (Public), dated 20th August 1889.

2. The Board in their letter No. 767, dated 7th June 1889, write to their Agent as follows:—

"The Directors authorize you to apply to Government for sanction to appoint a competent Medical officer on the staff of the Company to take up the duties of the office at a salary of not exceeding Rs. 450 per mensem, with permission to accept private practice. In either case the engagement should not extend beyond the date of the termination of the existing contracts between the Government and the Company which will probably be the 31st December 1890, and should be terminable in the meanwhile upon three months' notice by either party."

3. The application for the appointment of a Medical officer on the salary named is recommended for submission to the Government of India.

Order—dated 24th October 1889, No. 1153 R., Public Works.

Ordered that the following letter be addressed to the Government of India:—

(Here enter No. 1154 R., dated 24th October 1889.)

(True Extract.)

(Signed) C. J. SMITH, Colonel, R.E.,
Joint Secy. to Govt., P.W.D.,
Railway Branch.

Letter from Colonel C. J. SMITH, R.E., Joint Secretary to the Government of Madras, Public Works Department, Railway Branch, to the Secretary to the Government of India, Public Works Department, dated Madras, 24th October 1889, No. 1154 R.

I am directed to forward the Proceedings of this Government, No. 1153 R., dated 24th October 1889, with which is submitted an application from the Agent, South Indian Railway, for the engagement of a competent Medical officer to serve as Consulting Physician to the Company on a maximum salary of Rs. 450 per mensem.

2. This Government having found it necessary to prohibit Medical officers whether in Civil or Military employ holding the appointment of Consulting Physician to the South Indian Railway, on the ground that such appointment interfered unduly with the conduct of their public duties, Dr. L. C. Nanney, the District Surgeon of Trichinopoly, the late incumbent, had to vacate. This decision having been communicated by the Agent to his Board of Directors, the Agent was authorised to apply to Government for sanction to engage a competent Medical officer on the terms specified in the Consulting Engineer's endorsement.

G.O., No. 325, Public, dated 8th April 1889.
G.O., „ 706, „ „ 20th Aug. „
(Copies enclosed).

3. I am therefore to request the sanction of the Government of India to the Board's proposal.

Read also the following paper :—

From G. H. D. WALKER, Esq., Under-Secretary to the Government of India, Public Works Department (General), to the Joint Secretary to the Government of Madras, Public Works Department, Railway Branch, dated Calcutta, 10th February 1890, No. 377 G.

I am directed to acknowledge the receipt of your letter No. 1154 R., dated 24th October 1889, and, in reply, to communicate the sanction of the Government of India to the appointment of a Medical officer on the South Indian Railway on a salary of Rs. 450 per mensem on the terms mentioned in the Board's letter No. 767, dated 7th June 1889, to their Agent in India.

ORDER—dated 20th February 1890, No. 272 R., Public Works.

Communicated to the Consulting Engineer for Railways with reference to his endorsement No. 383, dated 5th October 1889.

(True Extract.)

(Signed) C. J. SMITH, Colonel, R.E.,
Joint Secy. to Govt., P.W.D.,
Railway Branch.

To the Consulting Engineer for Railways.
„ Examiner, Guaranteed Railway Accounts.

Exd. J. Moses.
Spare Copies

RAILWAY.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated February, 20th.

Recd. *Encl.*

G.O., 20th Feb. 1890, No. 272 R.

FEBRUARY.

Medical Officer on the South Indian Railway

Sanction of the Government of India to the appointment of a —, communicated to the Consulting Engineer for Railways.

SOUTH INDIAN RAILWAY.

ESTABLISHMENT ESTIMATE

FOR THE

HALF-YEAR ENDING 31ST DEC., 1890.

G. W. TAYLOR, LAWRENCE ASYLUM PRESS.—1890.

SOUTH INDIAN RAILWAY.

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SOUTH INDIAN RAILWAY.

Agent's Department.

ABSTRACT **E.**

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

	Actuals for Half-year ended 31st December, 1889.	Sanctioned for the Half-year ending 30th June, 1890.		Proposed for the Half-year ending 31st December, 1890.				Remarks.
		Number.	Total for Half-year.	Number of each Grade.	Maximum rate of salary.	Total amount per mensem.	Total for Half-year.	
	Rs.		Rs.		Rs.	Rs.	Rs.	
Agent	13,636	1	13,637	1	2,273	2,272⅔	13,637	
Assistant Agent	3,000	1	3,000	1	500	500	3,000	
Chief Clerk	600	1	600	1	176	100	600	
Clerks	2,388	11	2,400	11	90	400	2,400	
Peons	312	8	312	8	10	52	312	
Head Watchman	158	1	210	1	35	35	210	
Watchmen	144	4	144	4	6	24	144	
Watermen	60	2	60	2	6	10	60	
Travelling Allowance ...	197	...	250	...	...	41⅔	250	
Total...	20,495	...	20,613	...	...	3,435½	20,613	
Sweeper	144	4	144	4	6	24	144	
Grand Total...	20,639	...	20,757	...	...	3,459½	20,757	

AGENT'S OFFICE,
TRICHINOPOLY,
June, 1890.

WILLIAM S. BETTS,
Agent.

SOUTH INDIAN RAILWAY.

Audit Department.

ABSTRACT **E.**

Proposed Establishment List of Audit Department for Half-year ending 31st December, 1890.

	Actuals for Half-year ended 31st December, 1889.	Sanctioned for Half-year ending 30th June, 1890.		Proposed for Half-year ending 31st December, 1890.				Remarks.
		Number in each Grade.	Total for Half-year.	No. in each Grade.	Maximum rate of salary.	Total amount per month.	Total for Half-year.	
	Rs.		Rs.		Rs.	Rs.	Rs.	
Chief Auditor	6,000	1	6,000	1	1,000	1,000	6,000	
Personal Allowance for Chief Auditor	600	...	600	...	100	100	600	
Assistant to Chief Auditor	..	1	...	1	500	500	3,000	
Assistant Auditor (Locomotive and Stores Accounts) ...				1	300	300	1,800	
Personal Allowance of Assistant Auditor	2,400	1	2,400		75	75	450	
Acting do. do.								
Assistant Auditor (Traffic Accounts)	1,800	1	1,800	1	300	300	1,800	
Chief Book-keeper	1,050	1	1,050	1	175	175	1,050	
Chief Clerk (Post and Pre-Audit Branch)	1,050	1	1,050	1	175	175	1,050	
Chief Clerk (Locomotive and Stores Branch) ...	1,020	1	1,020	1	170	170	1,020	
Clerks drawing less than Rs. 100 per mensem ...	21,338	174	22,500	174	95	3,750	22,500	
Cashiers' Head Quarters	585	1	750	1	125	125	750	
Assistant Cashiers' do.	450	1	450	1	75	75	450	
Divisional Cashiers	4,320	16	5,040	16	70	840	5,040	
Sbroffs	899	6	1,080	6	30	180	1,080	
Travelling Auditors	3,660	7	4,554	7	120	700	4,200	
Stock-takers	248	4	1,500	4	60	150	900	
Lascars for Stock-takers	82	8	336	8	7	56	336	
Peons and Punkahmen	1,993	51	2,442	51	10	407	2,442	
Travelling Allowances	932	...	1,500	...	...	...	1,500	
Police Guard	484	...	486	...	...	*88	528	
Total...	48,911	...	54,258	...	3,387	9,166	56,496	

CHIEF AUDITOR'S OFFICE,
TRICHINOPOLY,
9th May, 1890.

JAMES SMITH,
Chief Auditor.

.... Sanction to lapse upon the appointment of an Assistant Auditor.

..... * Increased by Police Department.

SOUTH INDIAN RAILWAY.

General Stores Department.

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

Description or Capacity in which employed.	Actuals for Half-year ended 31st Dec. 1889.	Sanctioned for Half-year ending 30th June, 1890.		Proposed for Half-year ending 31st Dec., 1890.				Remarks.
		Number.	Total for Half-year.	Number of each Grade.	Maximum rate of salary.	Total amount per mensem.	Total for Half-year.	
	Rs.		Rs.		Rs.	Rs.	Rs.	
General Storekeeper	3,000	1	3,000	1	500	500	3,000	
Assistant Storekeeper	900	1	900	1	150	150	900	
Chief Clerk	520	1	720	1	120	120	720	
Clerk	514	1	600	1	100	100	600	
Clerks	5,451	31	6,090	29	85	955	5,730	
Storekeepers	680	4	840	14(a)	35	260	1,560	
Peons		2	90	2	8	15	90	
Watchmen	1,423	26	918	27	7	158	(b)948	
Lascars		13	546	13	7	91	546	
Travelling Allowance	403	...	420	...	...	70	420	
Fixed Allowance for Landing Clerk at Madras	90	...	90	...	...	15	90	
Contingencies	...	...	...	...	...	...	...	
Total...	12,981	...	14,214	...	...	2,434	14,604	
Sweeper	12	1	12	1	2	2	12	
Grand Total...	12,993	...	14,226	...	...	2,436	14,616	

(a) Previously employed on daily wages.

(b) One additional Watchman required for the Sub Depôt at Mayaveram.

NEGAPATAM,
GENERAL STOREKEEPER'S OFFICE,
1890.

G. H. W. TREMENHEERE,
General Storekeeper.

SOUTH INDIAN RAILWAY.

Medical Department.

ABSTRACT **E.**

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

—	Actuals for Half-year ended 31st December, 1889.			Sanctions for the Half-year ending 30th June, 1890.		Proposed for the Half-year ending 31st December, 1890.				REMARKS.
				Number.	Total for Half-year.	Number of each Grade.	Maximum rate of salary.	Total per mensem.	Total for Half-year.	
	Rs.	A.	P.		Rs.		Rs.	Rs.	Rs.	
Superintending Physician	489	0	0	1	900	1	450	300	(a)1,800	..... (a) Sanctioned *vide* G. O. No. 272 R. of 20th February 1890.
Apothecaries	1,250	0	0	2	1,500	2	125	250	1,500	
Do.	600	0	0	1	600	1	100	100	600	
Do.	2,840	0	0	8	2,660	9	90	493½	(b)2,960	.... (b) Extra Apothecary considered necessary.
Clerk	120	0	0	1	120	1	20	20	120	
Peons	687	0	0	21	692	21	9	115½	692	
Travelling Allowance	854	0	0	...	800	...	...	133⅓	800	
Total...	6,840	0	0	...	7,272	...	...	1,412	8,472	
Scavengers	219	0	0	14	268	14	6	44⅔	268	
Grand Total...	7,089	0	0	...	7,540	...	...	1,456⅔	8,740	

Distribution List.

—	Clerk at Rs. 20.	Apothecaries at Rs. 125.	Apothecaries at Rs. 100.	Apothecaries at Rs. 90 and under.	Peons.
Negapatam...	..	1	..	1	4
Tanjore	...	...	...	1	2
Trichinopoly..	1	1	...	1	4
Madura	...	...	...	1	2
Tuticorin	...	...	...	1	2
Erode	...	...	...	1	1
Cuddalore	...	..	...	1	2
Madras	..	...	1	...	2
Relief duty	...	...	...	1	1
Nellore	...	...	...	1	1
Total...	1	2	1	9	21

AGENT'S OFFICE,
TRICHINOPOLY,
June, 1890.

WILLIAM S. BETTS,
Agent.

SOUTH INDIAN RAILWAY.

Estimate of General and Miscellaneous Charges not included in the Estimate of General Charges' Establishment, for the Half-year ending 31st December, 1890.

	Actuals for Half-year ended 31st December, 1889.	Sanctioned for half-year ending 30th June, 1890.		Proposed for the Half-year ending 31st December, 1890.				Remarks.
		Number.	Total for the Half-year.	Number of each Grade.	Maximum rate of salary.	Total amount per mensem.	Total for Half-year.	
Abstract E.	Rs.		Rs.		Rs.	Rs.	Rs.	
I.—**Home Expenditure**	32,671	...	30,000	...	...	...	33,000	
II.—								
(7) Rents of buildings and lands	32	...	50	...	...	...	50	
(8) Furniture, fittings and other miscellaneous expenditure	4,864	...	5,000	...	...	...	5,000	
(9) Printing and Stationery	4,491	...	5,000	...	...	...	5,000	
(10) Medicine and Contribution to Hospital ...	1,137	...	2,000	...	...	...	2,000	
III.—**Police**	...	...	...	...	...	...	...	
IV.—**Advertising**	885	...	1,500	...	...	...	1,000	
VII.—**Unclassified Expenditure**	15,525	...	16,000	...	...	...	16,000	
Abstract G. *Special and Miscellaneous.*								
I.—**Law Charges**	379	...	1,000	...	...	...	1,000	
II.—**Compensation**	2,761	...	2,500	...	...	...	3,000	
III.—**Rates and Taxes**	8,547	...	10,000	...	...	...	9,000	
IV.—**Payments to other Lines**—								
(1) Hire of Locomotives	...	...	...	...	...	...	...	
(2) Hire of Vehicles	...	...	...	...	...	...	...	
(3) Mileage of Foreign Stock	...	...	...	...	...	...	...	
(4) Rent of Stations, &c., jointly occupied ...	1,112	..	2,500	...	...	...	1,500	
VIII.—**Miscellaneous Expenditure**—								
(1) Loss on Light coins	...	...	...	...	...	...	...	
(2) Loss by Exchange	...	...	...	...	...	...	...	
(3) Conservancy not Establishment charges ...	1,214	...	1,438	...	...	...	1,350	
(4) Contribution to Railway Schools	87	...	60	...	...	...	...	
Total...	73,705	...	77,048	...	...	...	77,900	

Agent's Office,
Trichinopoly,
May, 1890.

WILLIAM S. BETTS,
Agent.

SOUTH INDIAN RAILWAY.

ABSTRACT **E.**

General Charges.

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

		Rs.	Rs.
1st.—Home Expenditure		...	33,000
(1) Directors and Secretary, or Managing Director			
(2) Auditors and Accountants		33,000	
(3) Consulting Engineer and Inspecting Officers and Travelling Allowances			
(4) Office Expenses			
2nd.—Salaries of Indian Management including Offices		...	1,12,235

	Salaries.			Travelling Allowances.			
	Rs.	A.	P.	Rs.	A.	P.	
(1) Agent's Office	20,363	0	0	250	0	0	20,613
(2) Auditor's ,,							...
(3) Accounts' ,,	54,996	0	0	1,500	0	0	56,496
(4) Paymaster's ,,							...
(5) Stores Department	14,184	0	0	420	0	0	14,604
(6) Medical ,,	7,672	0	0	800	0	0	8,472

(7) Rents of buildings and lands		50
(8) Furniture, fittings, and other miscellaneous expenses		5,000
(9) Printing and Stationery		5,000
(10) Medicine		2,000
3rd.—Police	...	...
(1) Supervision	...	...
(2) Constables	...	...
(3) Contingencies	...	...
4th.—Advertising—*(All advertisements of all Departments)*	...	...
5th.—Electric Telegraph	...	1,000
(1) Salaries of Superintendents and Assistants	2,334	52,028
(2) Signallers	23,646	
(3) Travelling Expenses	150	
(4) Office Expenses, Contingencies, &c.	4,100	
(5) Maintenance, Wages, and Stores	298	
(6) Government Telegraph Department for Rents, Maintenance and Inspection	21,500	
6th.—Clearing Accounts with other Lines	...	
7th.—Unclassified Expenditure	...	16,000
Loss on Stores		
Expenses connected with Fire Engines		
Loss by Exchange	16,000	
Carriage of Revenue Stores		
Total...	...	2,14,263
Deduct—		
Value of Stores returned to Stock	...	...
Sum chargeable to Fire Insurance Fund		
Grand Total...	...	2,14,263

AGENT'S OFFICE,
TRICHINOPOLY, *June*, 1890.

WILLIAM S. BETTS,
Agent.

SOUTH INDIAN RAILWAY.

ABSTRACT **G.**

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

		Rs.	Rs.
1st.—Law Charges		1,000	1,000
2nd.—Compensation		...	3,000
(1) For goods lost or damaged			
(2) For personal injury		3,000	
(3) For other claims			
3rd.—Rates and Taxes (*including Municipal Water-rates*)		...	9,000
4th.—Payments to other Lines		...	1,500
(1) Hire of Locomotive		...	
(2) Do. of Vehicles		...	
(3) Mileage of Foreign Stock		...	
(4) Rent of Stations, &c., jointly occupied		1,500	
8th.—Miscellaneous Expenditure		...	1,350
(1) Loss on Light coins		...	
(2) Loss by Exchange		...	
(3) Conservancy...	Agent's Department ... Rs. 144	1,350	
	Medical do. ... „ 268		
	General Stores' do. ... „ 12		
	Engineering do. ... „ 36		
	Locomotive do. ... „ 878		
	Miscellaneous do. ... .. „ 12		
	Total ...	...	15,850
Deduct sum chargeable to Fire Insurance Fund		...	...
	Grand Total ...	...	15,850

AGENT'S OFFICE,
TRICHINOPOLY,
June, 1890.

WILLIAM S. BETTS,
Agent.

SOUTH INDIAN RAILWAY.

Engineering Department.

ABSTRACT **A.**

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

	Actuals for Half-year ended 31st Dec., 1889.	Sanctioned for Half-year ending 30th June, 1890.		Proposed for the Half-year ending 31st December, 1890.				REMARKS.
		Number.	Total for Half-year.	Number of each Grade.	Maximum rate of salary.	Total amount per mensem.	Total for Half-year.	
Head Quarters, Trichinopoly.	Rs.		Rs.		Rs.	Rs.	Rs.	
Chief Engineer	10,908	1	10,908	1	1,818	1,818	10,908	
Resident Engineer, 1st Class, 1st Grade ...	5,184	1	5,184	1	864	864	5,184	
Head Clerk	450	1	900	1	150	150	900	
Draughtsman	750	1	900	1	150	150	900	
Draughtsmen (under Rs. 100 each) ...	1,353	10	1,545	10	99	257½	1,545	
Clerks (under Rs. 100 each)	2,302	13	2,520	13	99	420	2,520	
Moochies	219	2	228	2	23	38	228	
Peons and Punkah-pullers	438	11	444	11	10	74	444	
Allowances for Engineers	923	...	1,350	...	150	225	1,350	
Do. for Subordinates	40	...	30	...	5	5	30	
Total ...	22,572	...	24,009	...	...	...	24,009	
Deduct—Proportion of Engineering Head Quarters Establishment debitable to Nellore Branch	...	...	2,500	...	...	...	2,500	
Total ...	22,572	...	21,509	...	...	...	21,509	
Head Quarters, Permanent Way, Stores and Workshops, Trichinopoly.								
Foreman	1,250	1	1,500	1	250	250	1,500	
Assistant Foreman	...	1	900	1	150	150	900	
Storekeeper	540	1	540	1	90	90	540	
Assistant Storekeeper	360	1	360	1	60	60	360	
Store Checker	90	1	180	1	30	30	180	
Timber Measurer	150	1	180	1	30	30	180	
Clerks	2,013	19	2,592	20	60	432	(a)2,592	..... (a) { Maximum rate raised to admit of increase being given to a deserving clerk. One additional clerk required in consequence of increased work.
Lascars	202	8	366	8	10	61	366	
Total ...	4,605	...	6,618	...	...	...	6,618	

SOUTH INDIAN RAILWAY.

Engineering Department.

ABSTRACT **A**—*continued.*

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

	Actuals for the Half-year ended 31st Dec., 1889.	Sanction for Half-year ending 30th June, 1890.		Proposed for the Half-year ending 31st December, 1890.				Remarks.
		Number.	Total for Half-year.	Number of each Grade.	Maximum rate of Salary.	Total per mensem.	Total for Half-year.	
District Establishment.	Rs.		Rs		Rs.	Rs.	Rs.	
Resident Engineer, 1st Class, 1st Grade	5,184	2	10,368	2	864	1,728	10,368	
Do. 1st ,, 2nd ,, ...	5,098	1	4,638	1	773	773	4,633	
Do. 2nd ,, 1st ,, ...	4,320	1	4,320	1	720	720	4,320	
Do. 2nd ,, 2nd ,, ...	4,726	1	3,546	1	591	591	3,546	
Do. 3rd ,, 1st ,, ...	2,730	...	...	...	...	...	...	
Do. 3rd ,, 2nd ,, ...	1,200	...	...	...	...	...	...	
Inspectors	...	2	2,100	2	175	350	2,100	
Do.	9,205	8	7,290	8	160	1,225	7,350	
Do.	2,760	4	3,030	3	130	390	2,340	(a)
Do.	3,615	7	3,540	8	100	670	4,020	
Assistant Inspectors	430	2	600	4	50	200	1,200	(b)
Sub-Inspectors	3,297	17	2,838	17	35	495	2,970	(c)
Clerks	5,647	39	5,810	33	50	825	4,950	(d)
Storekeepers	77	...	...	...	...	...	...	
Peons and Lascars	1,562	40	1,617	36	8	235	1,410	(e)
Allowances for Engineers	2,320	...	2,250	...	75	375	2,250	
Do. for Subordinates	52	...	90	..	15	15	90	
Office Allowances	250	...	240	...	15	40	240	
Total ...	52,473	...	52,277	...	...	...	51,792	
General.								
Resident Engineer, 3rd Class, 1st Grade	...	1	2,730	1	455	455	2,730	
do do 3rd Class, 2nd Grade	300	...	...	...	...	...	...	
Assistant do 3rd ,, 3rd ,, ...	567	1	1,500	...	...	...	...	
Platelaying Inspector	...	1	1,440	1	240	240	1,440	
Inspectors	825	2	1,920	2	160	290	1,740	
Patrol Inspectors	120	1	360	1	60	60	360	
Assistant Inspectors	510	2	720	..	..	...	...	(f)
Sub-Inspectors	924	6	1,140	9	35	217	1,302	(g)
Prosecuting Inspectors	1,500	2	1,500	2	150	250	1,500	
Ballast Guards	1,005	7	1,560	7	60	260	1,560	
Clerks	50	2	540	1	50	50	300	(h)
Relief Clerks	330	3	540	3	35	90	540	
Peons for Engineers	32	2	84	2	7	14	84	

.....(a) Saving of Rs. 150 due to redistribution of grades.

.....(b) Assistant Inspectors under "general" transferred to District Establishment.

.....(c) Increases to 3 deserving men

.....(d) Reduction in number due to abolition of one Division.

.....(e) do. do. do.

.....(f) Reduction in number due to transfer of men to District Establishment.

.....(g) Supervision for laying 50 lbs. Permanent Way.

.....(h) Reduction in number.

SOUTH INDIAN RAILWAY.

Engineering Department.

ABSTRACT **A**—*concluded.*

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

	Actuals for the Half-year ending 31st December, 1889.	Sanction for Half-year ending 30th June, 1890.		Proposed for Half-year ending 31st December, 1890.				REMARKS.
		Number.	Total for Half-year.	Number of each Grade.	Maximum rate of salary.	Total amount per mensem.	Total for Half-year.	
General—*continued.*								
	Rs.		Rs.		Rs.	Rs.	Rs.	
Lascars for Inspectors	123	5	210	5	7	35	210	
Butler in charge of Officers' Staff Quarters, Egmore ...	60	1	72	1	12	12	72	
Sweepers for Officers' Staff Quarters, Egmore	...	1	36	1	6	6	36	
Allowances for Engineers	245	...	900	...	75	75	450	
Do. for Prosecuting Inspectors	275	...	300	...	25	50	300	
Stationery and Office Stores	4,097	...	3,600	...	600	600	3,600	
Contingencies	...	...	360	...	60	60	360	
Storekeepers for 50 lbs. relaying	...	...	...	3	25	75	(a)450	
Total...	10,943	...	19,512	..	...	...	17,034	
Construction Account.								
Sub-Assistant Engineer	1,500	1	1,500	..	...	...	...	
Inspectors	1,000	1	750	...	...	...	...	
Sub-Inspectors	...	2	180	...	...	...	...	
Storekeepers	4	2	180	...	...	...	...	
Lascars	30	2	84	...	...	...	...	
Allowances for Subordinates	56	...	...	...	...	...	...	
Total...	2,590	...	2,694	...	...	...	...	
Grand Total...	93,183	...	1,02,610	...	...	...	96,953	
Less charged in Abstracts E and G.	...	...	108	...	...	...	108	
Net Rupees..	93,183	...	1,02,502	...	...	...	96,845	
Estimated Distribution of Charges.								
Revenue Account							96,845	
Capital Account							...	
Total...							96,845	

(a) Considered necessary in connexion with relaying the road with 50 lbs.

			Rs.	As.	P.
The total amount on Sanction Register			93,183	0	0
Amount debited to Half-yearly accounts (31st Dec., 1889) under Establishment—					
Capital	Rs.	2,834 0 0			
Revenue	,,	87,864 8 0			
Add—					
Amount (Salary of Butler) charged to General Charges Revenue ...	,,	60 0 0			
Proportion of the expenditure incurred in the Chief Engineer's Office Establishment for the Half-year ending 31th Dec., 1889 and debitable to Cuddapah-Nellore State Railway	,,	2,668 9 6			
Establishment chargeable to Capital not dealt with in General Books until January 1890 ...	,,	255 0 0			
Do. do. do. February 1890 ...	,,	56 0 0			
	Rs.	93,738 1 6			
Less—					
Capital Establishment for June 1889 dealt with in General Books in July 1889	Rs.	555 0 0			
Total	Rs.	93,183 1 6	93,183	0	0

CHIEF ENGINEER'S OFFICE,
TRICHINOPOLY,
.....189 .

FRANCIS F. SMITH,
for *Chief Engineer.*

SOUTH INDIAN RAILWAY.

Engineering Department.

Distribution Return of Engineering Establishment for Half-year ending 31st December, 1890.

—	Engineers.	Inspectors.	Assistant Inspectors.	Sub-Inspectors.	Store Checker.	Timber Measurer.	Storekeeper.	Foreman.	Draughtsmen.	Clerks.	Moochies.	Ballast Guards.	Prosecuting Inspector.	Butler.	Sweeper.	Peons and Lascars.	Assistant Foreman.	Plate-laying Inspector.	Total.
	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.
Head Quarters Permanent Way Stores and Workshops, Trichinopoly	1	...	...	...	1	1	2	1	11	33	2	...	...	...	...	19	1	...	72
Ist Division—																			
Main Line—Madras to Villupuram ... } Branches—Villupuram to Pondicherry and Chingleput to Arkónam ... }	1	5	2	4	...	...	...	..	...	8	...	...	...	...	...	8	...	...	28
IInd Division—																			
Main Line—Villupuram to Tanjore ... } Branch—Tanjore to Negapatam ... }	2	6	1	4	...	...	...	...	...	8	...	...	...	...	...	11	...	...	32
IIIrd Division—																			
Main Line—Tanjore to Dindigul ... } Branch—Trichinopoly to Erode ... }	1	6	1	5	...	...	...	...	...	9	...	...	...	...	...	9	...	...	31
IVth Division—																			
Main Line—Dindigul to Tuticorin ... } Branch—Maniyachi to Tinnevelly ... }	1	4	...	4	...	...	...	..	...	8	...	...	...	...	...	8	...	...	25
General	1	3	...	12	...	...	3	...	...	4	...	7	2	1	1	7	...	1	41
Total Nos...	7	24	4	29	1	1	5	1	11	70	2	7	2	1	1	62	1	1	229

CHIEF ENGINEER'S OFFICE,
TRICHINOPOLY, 1890.

FRANCIS F. SMITH,
for *Chief Engineer.*

SOUTH INDIAN RAILWAY.

Engineering Department.

Estimate for Maintenance, Half-year ending 31st December, 1890.

1st Division.

Main Line—Madras to Villupuram. Branches—Villupuram to Pondicherry and Chingleput to Arkonam.

Miles maintained.	Departmentally.			By Contract.			Total.		
	Miles.	Chains.	Links.	Miles.	Chains.	Links.	Miles.	Chains.	Links.
Main Line ... Double ...	...	...	...	...	...	...	...	...	...
Main Line ... Single ...	164	66	77	...	...	...	164	66	77
Sidings	21	10	26	...	...	...	21	10	26
Total...	185	77	3	...	...	...	185	77	3

Head.	Description of Works.	Ordinary.
		Rs.
	Maintenance Permanent Way.	
	(1) Wages—	
II.	(a) 64 Gangs { 61 Permanent / 3 Temporary } .. .. Rs. 2,654 8 0×6 ...	15,927
	39 Watchmen .. .. ,, 195 0 0×6 ...	1,170
	38 Patrol Men ... ... ,, 190 0 0×6 ...	1,140
	1 Patrol Boy ... ... ,, 2 0 0×6 ...	12
	6 Pointsmen ... ... ,, 30 0 0×6 ...	180
	(b) Establishment ... ... ,, 233 13 0×6 ..	1,403
	(2) Materials—	
	Ballast, 10,000 cubic yards, at 8 annas	5,000
	Stores (oil, waste, chalk, &c.)	700
	Bolts and nuts, keys, &c.	1,070
	Rails	23,374
	Sleepers	6,727
	Total, Head II..	56,703
	Repairs—Bridges, &c.	
	(1) Bridges and Tunnels	2,000
	(2) Miscellaneous	2,000
III.	Earthwork ... ... Rs. 500 ...	
	Fencing ... ... ,, 1,000 ...	
	Roads and level crossings ... ... ,, 200 ...	
	Miscellaneous ... ... ,, 300 ...	
	Total, Head III..	4,000
	Repairs—Stations and Buildings.	
IV.	(1) Repairs of buildings of every description, including Station yards and Signals, but excepting quarters of the Staff	1,000
	(2) Repairs of Staff Quarters	700
	Total, Head IV...	1,700

REMARKS.

	Gangers.				Coolies.				Total.	No. of Gangs employed.	
	No.	Rate.		Amount.	No.	Rate.		Amount.			
		Rs.	a. p.	Rs.		Rs.	a. p.	Rs. a. p.	Rs. a. p.		
	1	12	0 0	12	0	12	6 0 0	72 0 0	84 0 0	1	
	1	9	0 0	9	0	8	6 0 0	48 0 0	57 0 0	1	
	1	7	0 0	7	0	8	6 0 0	48 0 0	55 0 0	1	
	1	7	0 0	7	0	8	5 8 0	44 0 0	51 0 0	3	
	1	6	0 0	6	0	7	5 8 0	38 8 0	44 8 0	5	
	1	7	8 0	7	8	6	6 0 0	36 0 0	43 8 0	1	
	1	7	0 0	7	0	6	6 0 0	36 0 0	43 0 0	3	
	1	9	0 0	9	0	6	5 8 0	33 0 0	42 0 0	1	
	1	8	0 0	8	0	6	5 8 0	33 0 0	41 0 0	3	
	1	7	0 0	7	0	6	5 8 0	33 0 0	40 0 0	3	
	1	6	8 0	6	8	6	5 8 0	33 0 0	39 8 0	8	
	1	6	0 0	6	0	6	5 8 0	33 0 0	39 0 0	32	
	1	6	0 0	6	0	5	5 8 0	27 8 0	33 8 0	1	
	1	6	0 0	6	0	4	5 8 0	22 0 0	28 0 0	1	

	Rs.	A.	P.
4 Carpenters	60	0	0
4 Blacksmiths	60	0	0
4 Bellows Boys	16	0	0
2 Painters	30	0	0
2 Riveters	38	12	0
2 Do.	19	6	0
2 Do.	9	11	0
Total ...	233	13	0

SOUTH INDIAN RAILWAY.

Engineering Department.

Estimate for Maintenance, Half-year ending 31st December, 1890.

1st Division.

Main Line—Madras to Villupuram. Branches—Villupuram to Pondicherry and Chingleput to Arkonam.

Miles maintained.	Departmentally.			By Contract.			Total.		
	Miles.	Chains.	Links.	Miles.	Chains.	Links.	Miles.	Chains.	Links.
Main Line ... Double ...	...	...	...	...	...	...	...	...	...
Main Line ... Single ...	164	66	77	...	...	...	164	66	77
Sidings	21	10	26	...	...	...	21	10	26
Total...	185	77	3	...	...	...	185	77	3

Head.	Description of Works.	Ordinary.
		Rs.
	Maintenance Permanent Way.	
	(1) Wages—	
II.	(a) 64 Gangs {61 Permanent / 3 Temporary} .. .. Rs. 2,654 8 0×6 ...	15,927
	39 Watchmen .. .. ,, 195 0 0×6 ...	1,170
	38 Patrol Men ... ... ,, 190 0 0×6 ...	1,140
	1 Patrol Boy ... ... ,, 2 0 0×6 ...	12
	6 Pointsmen ... ... ,, 30 0 0×6 ...	180
	(b) Establishment ... ... ,, 233 13 0×6 ..	1,403
	(2) Materials—	
	Ballast, 10,000 cubic yards, at 8 annas	5,000
	Stores (oil, waste, chalk, &c.)	700
	Bolts and nuts, keys, &c.	1,070
	Rails	23,374
	Sleepers	6,727
	Total, Head II..	56,703
	Repairs—Bridges, &c.	
	(1) Bridges and Tunnels	2,000
	(2) Miscellaneous	2,000
III.	Earthwork ... ... Rs. 500 ..	
	Fencing ... ... ,, 1,000 ...	
	Roads and level crossings ... ... ,, 200 ...	
	Miscellaneous ... ... ,, 300 ...	
	Total, Head III..	4,000
	Repairs—Stations and Buildings.	
IV.	(1) Repairs of buildings of every description, including Station yards and Signals, but excepting quarters of the Staff	1,000
	(2) Repairs of Staff Quarters	700
	Total, Head IV...	1,700

REMARKS.

Gangers. No.	Gangers. Rate. Rs.	a.	p.	Gangers. Amount. Rs.	a.	p.	Coolies. No.	Coolies. Rate. Rs.	a.	p.	Coolies. Amount. Rs.	a.	p.	Total. Rs.	a.	p.	No. of Gangs employed.
1	12	0	0	12	0	0	12	6	0	0	72	0	0	84	0	0	1
1	9	0	0	9	0	0	8	6	0	0	48	0	0	57	0	0	1
1	7	0	0	7	0	0	8	6	0	0	48	0	0	55	0	0	1
1	7	0	0	7	0	0	8	5	8	0	44	0	0	51	0	0	3
1	6	0	0	6	0	0	7	5	8	0	38	8	0	44	8	0	5
1	7	8	0	7	8	0	6	6	0	0	36	0	0	43	8	0	1
1	7	0	0	7	0	0	6	6	0	0	36	0	0	43	0	0	3
1	9	0	0	9	0	0	6	5	8	0	33	0	0	42	0	0	1
1	8	0	0	8	0	0	6	5	8	0	33	0	0	41	0	0	3
1	7	0	0	7	0	0	6	5	8	0	33	0	0	40	0	0	3
1	6	8	0	6	8	0	6	5	8	0	33	0	0	39	8	0	8
1	6	0	0	6	0	0	6	5	8	0	33	0	0	39	0	0	32
1	6	0	0	6	0	0	5	5	8	0	27	8	0	33	8	0	1
1	6	0	0	6	0	0	4	5	8	0	22	0	0	28	0	0	1

	Rs.	A.	P.
4 Carpenters	60	0	0
4 Blacksmiths	60	0	0
4 Bellows Boys	16	0	0
2 Painters	30	0	0
2 Riveters	38	12	0
2 Do.	19	6	0
2 Do.	9	11	0
Total ...	233	13	0

SOUTH INDIAN RAILWAY.

Engineering Department.

Estimate for Maintenance, Half-year ending 31st December, 1890.

1ST DIVISION—*continued.*

MAIN LINE—Madras to Villupuram. BRANCHES—Villupuram to Pondicherry, and Chingleput to Arkonam.

Head.	Description of Works.	Ordinary.
		Rs.
	Maintenance by Contract.	
V.	(1) Amount paid to Contractors	...
	(2) Materia supplied by the Company	...
	Total, Head V...	...
	Unclassified Expenditure.	
VII.	(1) Plantation	790
	(2) Tools and Plant	1,484
	(3) Loss on Stores in Stock	247
	(4) Loss on Exchange	22,000
	(5) Carriage of Revenue Stores	9,375
	Total, Head VII...	33,896
	Grand Total, Rs...	96,299

CHIEF ENGINEER'S OFFICE,
TRICHINOPOLY,
1890.

FRANCIS F. SMITH,
for *Chief Engineer.*

SOUTH INDIAN RAILWAY.

Engineering Department.

Estimate for Maintenance, Half-year ending 31st December, 1890.

1st Division—*concluded.*

Head No. VI.—New Minor Works.

Sanction Reference.	Description of Works.	Estimated total outlay.	Probable expenditure to end of previous Half-year.	Estimated expenditure for Half-year.	REMARKS.
	Sanctioned but not completed.	Rs.	Rs.	Rs.	
	Constructing huts for Government Telegraph Line men at Chingleput and Villupuram Stations	1,010	340	670	
	Providing Portable lamp room, Egmore	962	...	962	
	Laying pipes in lieu of existing well and fixing a Hydrant at Chetpat	300	100	200	
	New Works.				
	Difference of amount of New Minor Works (details of which are not known) required to be provided at the rate of Rs. 15 per mile as per India Government Circular Order No. V of 26th February 1889, P. W. D.	643	..	643	
	Total...	2,915	440	2,475	

Extraordinary Works.

Sanction Reference.	Description of Works.	Estimated total outlay.	Probable expenditure to end of previous Half-year.	Estimated expenditure for Half-year.	REMARKS.
	Head II.	Rs.	Rs.	Rs.	
	Renewing 5 miles of 40-lb. rails on wooden sleepers with 50-lb. rails on cast-iron pot-sleepers	62,500	...	62,500	
	Special labor in relaying	2,808	...	2,808	
	Ballast in relaying	2,200	...	2,200	
	Stores (oil, waste, chalk, &c.) for renewals	100	...	100	
	Providing 5 automatic ground disc signals at Egmore, Chingleput and Villupuram Stations	655	...	655	
	Head III.				
	Constructing 2—20 feet Girder Bridge in place of existing 15 feet Girder Bridge at A $\frac{8}{10}$ miles	8,014	6,514	1,500	
	Demolishing and rebuilding cracked abutment of 4—10 feet Bridge at A $\frac{63}{11-12}$ miles	2,000	...	2,000	
	Renewing 1,000 lineal feet of decayed longitudinal timbers with new ones	4,735	...	4,735	
	Head IV.				
	Enlarging Villupuram Station	11,934	4,934	7,000	
	Head VII.				
	Tools and Plant required for renewals with 50-lb. rails ..	600	...	600	
	Total ..	95,546	11,448	84,098	

Chief Engineer's Office,
Trichinopoly, 1890.

FRANCIS F. SMITH,
for *Chief Engineer.*

SOUTH INDIAN RAILWAY.

Engineering Department.

Estimate for Maintenance, Half-year ending 31st December, 1890.

IInd Division.

Main Line—Villupuram to Tanjore, Branch—Tanjore to Negapatam.

Miles maintained.	Departmentally.			By Contract.			Total.		
	Miles.	Chains.	Links.	Miles.	Chains.	Links.	Miles.	Chains.	Links.
Main Line ... Double ...	...	...	...	...	...	..	...	...	...
Main Line ... Single ...	167	...	80	...	...	...	167	...	80
Sidings	26	49	50	...	...	...	26	49	50
Total..	193	50	30	...	...	...	193	50	30

Head.	Description of Works.	Ordinary.
	Maintenance, Permanent Way.	
	(1) Wages—	Rs.
	(a) 62 Gangs { 61 Permanent / 1 Temporary } ... ... Rs. 2,554 8 0 × 6 ...	15,327
	64 Watchmen ... ... ,, 321 0 0 × 6 ...	1,926
	(b) Establishment ... ... ,, 196 13 0 × 6 ...	1,181
II.	**(2) Materials—**	
	Ballast, 10,000 cubic yards at 8 annas	5,000
	Stores (oil, waste, chalk, &c.)	516
	Bolts and nuts, keys, &c.	2,201
	Rails	27,958
	Sleepers	12,062
	Total, Head II...	66,171
	Repairs—Bridges, &c.	
	(1) Bridges and Tunnels	2,700
	(2) Miscellaneous	2,500
	Earthwork ... ... Rs. 500 ...	
III.	Fencing ... ... ,, 1,500 ...	
	Roads and level crossings ... ... ,, 250 ...	
	Miscellaneous ... ... ,, 250 ...	
	Total, Head III...	5,200
	Repairs—Stations and Buildings.	
IV.	(1) Repairs of buildings of every description, including Station yards and Signals, but excepting quarters of the Staff	4,000
	(2) Repairs of Staff Quarters	2,000
	Total, Head IV...	6,000

REMARKS.

	Gangers.						Coolies.						Total.			No. of Gangs employed.	
	No.	Rate.			Amount.		No.	Rate.			Amount.						
		Rs.	a.	p.	Rs.	a.	p.		Rs.	a.	p.	Rs.	a.	p.	Rs.	a.	p.		
	1	9	0	0	9	0	0	3	7	0	0	21	0	0	69	0	0	1	
	...	...	...	...	...	...	..	6	6	8	0	39	0	0					
	1	7	8	0	7	8	0	9	5	8	0	49	8	0	57	0	0	2	
	1	8	0	0	8	0	0	8	5	8	0	44	0	0	52	0	0	1	
	1	7	0	0	7	0	0	8	5	8	0	44	0	0	51	0	0	1	
	1	6	0	0	6	0	0	8	5	8	0	44	0	0	50	0	0	1	
	1	7	8	0	7	8	0	7	5	8	0	38	8	0	46	0	0	1	
	1	7	0	0	7	0	0	7	5	8	0	38	8	0	45	8	0	3	
	1	6	8	0	6	8	0	7	5	8	0	38	8	0	45	0	0	1	
	1	6	0	0	6	0	0	7	5	8	0	38	8	0	44	8	0	15	
	1	9	0	0	9	0	0	6	5	8	0	33	0	0	42	0	0	1	
	1	6	8	0	6	8	0	6	5	8	0	33	0	0	39	8	0	2	
	1	6	0	0	6	0	0	6	5	8	0	33	0	0	39	0	0	22	
	1	8	0	0	8	0	0	5	5	8	0	27	8	0	35	8	0	1	
	1	7	0	0	7	0	0	5	5	8	0	27	8	0	34	8	0	1	
	1	6	0	0	6	0	0	5	5	8	0	27	8	0	33	8	0	7	
	1	7	0	0	7	0	0	4	5	8	0	22	0	0	29	0	0	1	
	...	...	...	...	...	...	...	2	5	8	0	11	0	0	11	0	0	1	

	Rs.	A.	P.
3 Carpenters	36	0	0
1 Do.	13	0	0
3 Blacksmiths	36	0	0
1 Do.	13	0	0
2 Bellows Boys ...	10	0	0
2 Do.	9	0	0
1 Painter	15	0	0
2 Rivetters	38	12	0
2 Do.	19	6	0
2 Do.	9	11	0
Total ...	199	13	0

SOUTH INDIAN RAILWAY.

Engineering Department.

Estimate for Maintenance, Half-year ending 31st December, 1890.

HND DIVISION—*continued.*

MAIN LINE—Villupuram to Tanjore, Branch—Tanjore to Negapatam.

Head.	Description of Works.	Ordinary.
		Rs.
	Maintenance by Contract.	
V.	(1) Amount paid to Contractors	...
	(2) Materials supplied by the Company	...
	Total, Head V...	...
	Unclassified Expenditure.	
VII.	(1) Plantation	890
	(2) Tools and Plant	1,521
	(3) Loss on Stores in Stock	262
	(4) Loss on Exchange	22,000
	(5) Carriage of Revenue Stores	9,375
	Total, Head VII...	34,048
	Grand Total, Rupees...	1,11,419

CHIEF ENGINEER'S OFFICE,
TRICHINOPOLY,
1890.

FRANCIS F. SMITH,
for *Chief Engineer.*

SOUTH INDIAN RAILWAY.

Engineering Department.

Estimate for Maintenance, Half-year ending 31st December, 1890.

HND DIVISION—*concluded.*

HEAD NO. VI.—New Minor Works.

Sanction Reference.	Description of Works.	Estimated total outlay.	Probable expenditure to end of previous Half-year.	Estimated expenditure for Half-year.	REMARKS.
	Sanctioned but not completed.	Rs.	Rs.	Rs.	
	Constructing huts for Government Telegraph line men at Cuddalore Old Town	505	170	335	
	Rearranging and fitting up South Tools Shop, Negapatam.	488	160	328	
	Providing a new Weigh Bridge house at Negapatam ...	407	136	271	
	New Works.				
	Difference of amount of New Minor Works (details of which are not known) required to be provided at the rate of Rs. 15 per mile as per India Government Circular Order No. V. of 26th February 1889, P. W. D.	1,571	...	1,571	
	Total...	2,971	466	2,505	

Extraordinary Works.

Sanction Reference.	Description of Works.	Estimated total outlay.	Probable expenditure to end of previous Half-year.	Estimated expenditure for Half-year.	REMARKS.
	HEAD II.	Rs.	Rs.	Rs.	
	Renewing 5 miles of 40-lb. rails on wooden sleepers with 50-lb. rails on cast-iron pot-sleepers	62,500	...	62,500	
	Special labor in relaying	2,808	...	2,808	
	Ballast in relaying	2,200	...	2,200	
	Stores (oil, waste, chalk, &c.) for renewals	100	...	100	
	Inserting 5 pairs of pot-sleepers to a rail length in place of 5 miles of decayed sleeper road on Negapatam Branch	25,102	...	25,102	
	Providing 8 automatic ground disc signals at Cuddalore Old Town, Mayavaram, Tanjore and Negapatam ...	1,048	...	1,048	
	HEAD III.				
	Renewing 1,000 lineal feet of decayed longitudinal timbers with new ones	4,735	...	4,735	
	Addition of 5 spans to Gadilam Bridge	33,018	31,518	1,500	
	Substituting a 70-ft. span for the 30-ft. span at $\frac{1.5.1}{5.6}$ miles.	17,131	14,131	3,000	
	Repairing deteriorated wire fencing	5,000	...	5,000	
	HEAD IV.				
	Rearranging and fitting up South Tools Shop, Negapatam.	812	400	412	
	Removing existing Broad Gauge Weigh Bridge and re-erecting a Narrow Gauge one, Negapatam ...	2,068	200	1,868	
	HEAD VII.				
	Tools and Plant required for renewals with 50-lb. rails ...	600	..	600	
	Total...	1,57,122	46,249	1,10,873	

CHIEF ENGINEER'S OFFICE,
TRICHINOPOLY,
1890.

FRANCIS F. SMITH,
for *Chief Engineer.*

SOUTH INDIAN RAILWAY.

Engineering Department.

Estimate for Maintenance, Half-year ending 31st December, 1890.

IIIrd Division.

Main Line—Tanjore to Dindigul, Branch—Trichinopoly to Erode.

Miles maintained.	Departmentally.			By Contract.			Total.		
	Miles.	Chains.	Links.	Miles.	Chains.	Links.	Miles.	Chains.	Links.
Main Line { Double ...	...	...	...	...	...	...	...	...	...
Main Line { Single ...	175	39	66	...	...	...	175	39	66
Sidings	13	69	86	...	...	...	13	69	86
Total...	189	29	52	...	...	...	189	29	52

Head.	Description of Works.	Ordinary.
		Rs.
II.	**Maintenance, Permanent Way.**	
	(1) Wages—	
	(a) 61 Gangs, Permanent ... ... Rs. 2,292 8 0 × 6 ...	13,755
	62 Watchmen ...	
	(b) Establishment ... ... „ 310 0 0 × 6 ...	1,860
	... ... „ 161 0 0 × 6 ...	966
	(2) Materials—	
	Ballast, 8,000 cubic yards, at 8 annas	4,000
	Stores (oil, waste, chalk, &c.)	420
	Bolts and nuts, keys, &c.	1,689
	Rails	7,538
	Sleepers	2,624
	Total, Head II...	32,852
III.	**Repairs—Bridges, &c.**	
	(1) Bridges and Tunnels	5,000
	(2) Miscellaneous	
	Earthwork	2,000
	Fencing ... ... Rs. 700 ...	
	Roads and level crossings ... ... „ 300 ...	
	Mi-cellaneous ... ... „ 300 ...	
	... ... „ 700 ...	
	Total, Head III...	7,000
IV.	**Repairs—Stations and Buildings.**	
	(1) Repairs of buildings of every description, including Station yards and Signals, but excepting quarters of the Staff	5,000
	(2) Repairs of Staff Quarters	2,000
	Total, Head IV...	7,000

REMARKS.

	Gangers.			Coolies.			Total.	No. of Gangs employed.	
	No.	Rate.	Amount.	No.	Rate.	Amount.			
		Rs. a. p.	Rs. a. p.		Rs. a. p.	Rs. a. p.	Rs. a. p.		
	1	8 8 0	8 8 0	10	5 8 0	55 0 0	63 8 0	1	
	1	7 0 0	7 0 0	8	5 8 0	44 0 0	51 0 0	1	
	1	6 0 0	6 0 0	7	5 8 0	38 8 0	44 8 0	1	
	1	8 0 0	8 0 0	6	5 8 0	33 0 0	41 0 0	1	
	1	7 0 0	7 0 0	6	5 8 0	33 0 0	40 0 0	6	
	1	6 8 0	6 8 0	6	5 8 0	33 0 0	39 8 0	6	
	1	7 0 0	7 0 0	4	5 8 0	22 0 0	} 39 0 0	17	
	...	... ...	... ...	2	5 0 0	10 0 0			
	1	8 0 0	8 0 0	5	5 8 0	27 8 0	35 8 0	4	
	1	7 8 0	7 8 0	5	5 8 0	27 8 0	35 0 0	4	
	1	7 0 0	7 0 0	5	5 8 0	27 8 0	34 8 0	3	
	1	6 8 0	6 8 0	5	5 8 0	27 8 0	34 0 0	13	
	1	6 8 0	6 8 0	4	5 8 0	22 0 0	} 33 8 0	3	
	...	... ...	... ...	1	5 0 0	5 0 0			
	1	8 0 0	8 0 0	3	5 8 0	16 8 0	24 8 0	1	

	Rs.	A.	P.
2 Carpenters.....	30	0	0
3 Do	36	0	0
5 Blacksmiths.....	60	0	0
3 Bellows boys ...	15	0	0
2 Do	8	0	0
1 Painter	12	0	0
Total Rs..	161	0	0

SOUTH INDIAN RAILWAY.

Engineering Department.

Estimate for Maintenance, Half-year ending 31st December, 1890.

IIIRD DIVISION—*continued.*

MAIN LINE—Tanjore to Dindigul, Branch—Trichinopoly to Erode.

Head.	Description of Works.	Ordinary.
	Maintenance by Contract.	Rs.
V.	(1) Amount paid to Contractors	...
	(2) Materials supplied by the Company	...
	Total, Head V...	...
	Unclassified Expenditure.	
VII.	(1) Plantation	915
	(2) Tools and Plant	1,592
	(3) Loss on Stores in Stock	275
	(4) Loss on Exchange...	...
	(5) Carriage of Revenue Stores	9,375
	Total, Head VII...	12,157
	Grand Total, Rupees...	59,009

CHIEF ENGINEER'S OFFICE,
TRICHINOPOLY,
1890.

FRANCIS F. SMITH,
for *Chief Engineer.*

SOUTH INDIAN RAILWAY.

Engineering Department.

Estimate for Maintenance, Half-year ending 31st December, 1890.

IIIRD DIVISION—*concluded.*

HEAD NO. VI.—New Minor Works.

Sanction Reference.	Description of Works.	Estimated total outlay.	Probable expenditure to end of previous Half-year.	Estimated expenditure for Half-year.	REMARKS.
	Sanctioned, but not completed.	Rs.	Rs.	Rs.	
	Nil.				
	New Work.				
	Amount of New Minor Works (details of which are not known) required to be provided at the rate of Rs. 15 per mile as per India Government Circular Order No. V. of 26th February P. W. D.	2,625	...	2,625	
	Total..	2,625	...	2,625	

Extraordinary Works.

Sanction Reference.	Description of Works.	Estimated total outlay.	Probable expenditure to end of previous Half-year.	Estimated expenditure for Half-year.	REMARKS.
	HEAD II.	Rs.	Rs.	Rs.	
	Providing 5 automatic ground disc signals at Trichinopoly Junction and Dindigul Stations	655	...	655	
	HEAD III.				
	Renewing 10,00 lineal feet of decayed longitudinal timbers with new ones	4,735	...	4,735	
	Repairing deteriorated wire fence, Erode Branch ...	5,000	...	5,000	
	HEAD IV.				
	Constructing a new Weigh Bridge house, Trichinopoly Fort	451	100	351	
	Extending covered way at Trichinopoly Junction ...	2,967	967	2,000	
	Removing existing Broad Gauge Weigh Bridge and re-erecting a Narrow Gauge one at Trichinopoly Fort Station	2,308	538	1,500	
	Total..	15,846	1,605	14,241	

CHIEF ENGINEER'S OFFICE,
TRICHINOPOLY,
1890.

FRANCIS F. SMITH,
for *Chief Engineer.*

SOUTH INDIAN RAILWAY.

Engineering Deparmtent.

Estimate for Maintenance, Half-year ending 31st December, 1890.

IVth Division.

Main Line—Dindigul to Tuticorin, Branch—Maniyachi to Tinnevelly.

Miles maintained.	Departmentally.			By contract.			Total.		
	Miles.	Chains.	Links.	Miles.	Chains.	Links.	Miles.	Chains.	Links.
Main Line ... Double ...	...	...	...	...	...	...	...	...	...
Main Line ... Single ...	155	11	15	...	...	...	155	11	15
Sidings	17	10	86	...	...	...	17	10	86
Total .	172	22	1	...	...	...	172	22	1

Head.	Description of Works.	Ordinary.
	Maintenance Permanent Way.	Rs.
II.	**(1) Wages—**	
	(*a*) 57 Gangs, Permanent... ... ... Rs. 2,253 0 0 × 6 ...	13,518
	23 Watchmen ... ... ,, 115 0 0 × 6 ...	690
	1 Patrol Boy ... ... ,, 2 0 0 × 6 ..	12
	(*b*) Establishment ... ... ,, 147 12 0 × 6 ...	887
	(2) Materials—	
	Ballast, 20,000 cubic yards, at 8 annas	10,000
	Stores (oil, waste, chalk, &c.)	350
	Bolts and nuts, keys, &c.	289
	Rails	8,574
	Sleepers	1,334
	Total, Head II...	35,654
	Repairs—Bridges, &c.	
III.	(1) Bridges and Tunnels	600
	(2) Miscellaneous	1,000
	Earthwork ... ... Rs. 750 ...	
	Fencing ... ... ,, 50 ...	
	Roads and level crossings ... ... ,, 200 ...	
	Miscellaneous	
	Total, Head III...	1,600
	Repairs—Stations and Buildings.	
IV.	(1) Repairs of buildings of every description, including Station yards and Signals, but excepting quarters of the Staff	320
	(2) Repairs of Staff Quarters	214
	Total, Head IV...	534

REMARKS.

Gangers.				Coolies.			Total.	No. of Gangs employed.
No.	Rate.		Amount.	No.	Rate.	Amount.		
	Rs. a. p.		Rs. a. p.		Rs. a. p.	Rs. a. p.	Rs. a. p.	
1	9 0	0	9 0 0	10	5 8 0	55 0 0	64 0 0	1
1	8 0	0	8 0 0	8	5 8 0	44 0 0	52 0 0	1
1	6 0	0	6 0 0	7	5 8 0	38 8 0	44 8 0	1
1	9 0	0	9 0 0	6	5 8 0	33 0 0	42 0 0	1
1	8 0	0	8 0 0	6	5 8 0	33 0 0	41 0 0	1
1	7 8	0	7 8 0	6	5 8 0	33 0 0	40 8 0	1
1	7 0	0	7 0 0	6	5 8 0	33 0 0	40 0 0	13
1	6 0	0	6 0 0	6	5 8 0	33 0 0	39 0 0	35
1	6 0	0	6 0 0	4	5 8 0	22 0 0	28 0 0	3

	Rs.	A.	P.
2 Carpenters	60	0	0
4 Blacksmiths	60	0	0
3 Bellows boys	12	0	0
1 Do.	3	12	0
1 Painter	12	0	0
Total Rs...	147	12	0

SOUTH INDIAN RAILWAY.

Engineering Department.

Estimate for Maintenance, Half-year ending 31st December, 1890.

IVTH DIVISION—*continued.*

MAIN LINE—Dindigul to Tuticorin, Branch—Maniyachi to Tinnevelly.

Head.	Description of Works.	Ordinary.
		Rs.
	Maintenance by Contract.	
V.	(1) Amount paid to Contractors	...
	(2) Materials supplied by the Company	...
	Total, Head V...	...
	Unclassified Expenditure.	
VII.	(1) Plantation	740
	(2) Tools and Plant	1,400
	(3) Loss on Stores in Stock	216
	(4) Loss on Exchange	44,000
	(5) Carriage of Revenue Stores	9,375
	Total, Head VII...	55,731
	Grand Total, Rupees ...	93,519

CHIEF ENGINEER'S OFFICE,
TRICHINOPOLY,
1890.

FRANCIS F. SMITH,
for *Chief Engineer.*

SOUTH INDIAN RAILWAY.

Engineering Department.

Estimate for Maintenance, Half-year ending 31st December, 1890.

IVTH DIVISION—*concluded.*

HEAD NO. VI.—New Minor Works.

Sanction Reference.	Description of Works.	Estimated total outlay.	Probable expenditure to end of previous Half-year.	Estimated expenditure for Half-year.	REMARKS.
	Sanctioned but not completed.	Rs.	Rs.	Rs.	
	Nil.				
	New Works.				
	Sinking a 6 feet well, constructing a latrine for servants and providing a ladder to D. T. S. Bungalow, Madura.	593	...	593	
	Difference of amount of New Minor Works (details of which are not known) required to be provided at the rate of Rs. 15 per mile as per India Government Circular Order No. V. of 26th February 1889, P.W.D.	1,732	...	1,732	
	Total...	2,325	...	2,325	

Extraordinary Works.

Sanction Reference.	Description of Works.	Estimated total outlay.	Probable expenditure to end of previous Half-year.	Estimated expenditure for Half-year.	REMARKS.
	HEAD II.	Rs.	Rs.	Rs.	
	Renewing 10 miles of 40-lb. rails on wooden sleepers with 50-lb. rails on cast iron pot-sleepers	1,25,000	...	1,25,000	
	Special labor in relaying	5,616	...	5,616	
	Ballast in relaying	4,400	...	4,400	
	Stores (oil, waste, chalk, &c.) for renewals	200	...	200	
	Providing 7 automatic ground disc signals at Madura, Maniyachi, Tuticorin and Tinnevelly Stations... ...	917	...	917	
	HEAD III.				
	Renewing 1,000 lineal feet of decayed longitudinal timbers with new ones	4,735	...	4,735	
	HEAD VII.				
	Tools and Plant required for renewals with 50-lb. rails...	1,200	...	1,200	
	Total..	1,42,068	...	1,42,068	

CHIEF ENGINEER'S OFFICE,
TRICHINOPOLY,
1889.

FRANCIS F. SMITH,
for *Chief Engineer.*

SOUTH INDIAN RAILWAY.

Engineering Department.

Abstract of Estimate of Maintenance for Half-year ending 31st December, 1890.

Heads of Charges.	Division I. 165 miles Single line.		Division II. 167 miles Single line.		Division III. 175 miles Single line.		Division IV. 155 miles Single line.		Total 662 miles Single line.		
									Average per month.	For Half-year.	
	Amount.	Per mile.	Amount.	Per mile.	Amount.	Per mile.	Amount.	Per mile.	Amount.	Amount.	Per mile.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
I. **General Superintendence**	..	...	...	...	...	...	...	...	16,141	96,845	146
II. **Maintenance and Renewals of Permanent Way—**											
Ordinary	56,703	344	66,171	396	32,852	188	35,654	230	31,897	1,91,380	289
Extraordinary	68,263	414	93,758	561	655	4	1,36,133	878	49,801	2,98,809	451
III. **Repairs of Bridges, &c.—**											
Ordinary	4,000	24	5,200	31	7,000	40	1,600	10	2,967	17,800	27
Extraordinary	8,235	50	14,235	85	9,735	56	4,735	31	6,157	36,940	56
IV. **Repairs of Stations and Buildings—**											
Ordinary	1,700	10	6,000	36	7,000	40	534	3	2,539	15,234	23
Extraordinary	7,000	42	2,280	14	3,851	22	...	...	2,188	13,131	20
V. **Maintenance by Contract**	...	...	...	...	...	...	...	...	...	...	...
VI. **New Minor Works**	2,475	15	2,505	15	2,625	15	2,325	15	1,655	9,930	15
VII. **Unclassified Expenditure—**											
Ordinary	33,896	205	34,048	204	12,157	69	55,731	360	22,639	1,35,832	205
Extraordinary	600	4	600	4	...	..	1,200	8	400	2,400	4
Total Rs...	1,82,872	1,108	2,24,797	1,346	75,875	434	2,37,912	1,535	1,36,384	8,18,301	1,236

CHIEF ENGINEER'S OFFICE,
TRICHINOPOLY,
189 .

FRANCIS F. SMITH,
for *Chief Engineer.*

SOUTH INDIAN RAILWAY.

Engineering Department.

ABSTRACT **A.**

Estimate for Maintenance for Half-year ending 31st December, 1890.

	Rs.	A.	P.	Rs.	A.	P.
I.—General Superintendence.				96,845	0	0
(1) Engineers' Salaries	41,694	0	0			
(2) Allowance of do. including travelling	4,050	0	0			
(3) Subordinate Superintendents	30,282	0	0			
(4) Allowance of do. including travelling	420	0	0			
(5) Overtime allowances	...	...	...			
(6) Office Expenses	22,899	0	0			
	99,345	0	0			
Deduct—Proportion of Engineering Head Quarters Establishment debitable to Nellore Branch	2,500	0	0			
II.—Maintenance Permanent Way	...	...	...	4,90,189	0	0
(1) Wages	81,186	0	0			
(2) Materials	4,09,003	0	0			
III.—Repairs, Bridges, &c.	...	...	...	54,740	0	0
(1) Bridges and Tunnels	37,240	0	0			
(2) Miscellaneous, including Earthwork, Roads, Fencing, &c. ...	17,500	0	0			
IV.—Repairs, Stations and Buildings	...	...	...	28,365	0	0
(1) Repairs of buildings of every description including Station yards and signals, but excepting Quarters of the Staff ...	23,451	0	0			
(2) Repairs of Staff Quarters	4,914	0	0			
V.—Maintenance by Contract	...	...	...	...	...	...
(1) Amount paid to Contractors	...	...	...			
(2) Materials supplied by the Company	...	...	...			
VI.—New Minor Works	9,930	0	0	9,930	0	0
VII.—Unclassified Expenditure	...	...	...	1,38,232	0	0
(1) Plantation	3,335	0	0			
(2) Tools and Plant	8,397	0	0			
(3) Loss on Stores in Stock	1,000	0	0			
(4) Loss on Exchange	88,000	0	0			
(5) Carriage of Revenue Stores	37,500	0	0			
Total Rs...	...	...	...	8,18,301	0	0

CHIEF ENGINEER'S OFFICE,
TRICHINOPOLY,
189 .

FRANCIS F. SMITH,
for *Chief Engineer.*

VILLUPURAM GUNTAKAL STATE RAILWAY.

Engineering Department.

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

Particulars	Class or Grade.	Monthly Salary.	Sanctions. 1st Half of 1890. No.	1st Half of 1890. Amount.	2nd Half of 1890. No.	2nd Half of 1890. Amount.	2nd Half of 1890. Total for 3 months only.	Actuals for 2nd Half of 1889.
I. General Superintendence.		Rs.		Rs.		Rs.	Rs.	Rs.
(1) Engineers' Salaries. Executive Engineer ...	4th.	600	...	...	1	600	1,800	
(2) Allowance of Engineers including travelling	...	100	...	...	...	100	300	
(3) Subordinate Superintendents. Inspector	...	160 to 200	...	...	1	200	600	
Assistant Inspector ...	...	60 to 75	...	...	1	75	225	
Sub-Inspectors	...	40 to 60	...	...	2	120	360	
Total Subordinate Superintendents ...	...	...	...	...	...	395	1,185	
(4) Allowance of Subordinates including travelling... ..	...	50	...	...	...	50	150	
(5) Overtime allowances ...	...	...	...	...	...	...		
(6) Offices. Clerks	...	20 to 50	...	...	3	100	300	
Lascars	...	6 to 8	...	...	5	35	105	
Contingencies	...	50	...	...	...	50	150	
Total Office Expenses ...	...	...	...	...	...	235	555	
Total General Superintendence...	...	...	...	...	...	...	3,990	

Particulars.	Sanctioned for 2nd Half of 1890 3 months only.	Actuals for 2nd Half of 1889.
	Rs.	Rs.
II. Maintenance and Renewals of Permanent Way. Total General Superintendence Brought forward...	3,990	...
(1) Wages	2,952	...
(2) Materials	300	...
Total Maintenance of Permanent Way...	3,252	...
III. Repairs of Bridges, &c., Wages and Materials. (1) Bridges and Tunnels	3,702	...
(2) Miscellaneous including earthwork road fencing		
Total Repairs of Bridges...	3,702	...
III—A. Conservancy of Rivers	...	...
IV. Repairs of Stations and Buildings, Wages and Materials. (1) Repairs of building of every description including station yards and signals but excepting quarters of the staff	2,061	...
Total Repairs of Stations, &c. ...	2,061	...
V. Maintenance by Contract. (1) Amount paid to Contractors	...	...
(2) Materials supplied by the State or Company		
Total Maintenance by Contract...	...	...
VI. New Minor Works	...	...
VII. Unclassified Expenditure. (1) Plantations	...	...
(2) Tools and Plant	84	...
(3) Loss on Stores	3,081	...
(4) Carriage of Revenue Stores	...	...
Total Unclassified Expenditure...	3,165	...
Grand Total...	16,170	...

Chief Engineer's Office,
Trichinopoly, 20*th June*, 1890.

DAVID LOGAN,
Chief Engineer.

VILLUPURAM GUNTAKUL STATE RAILWAY.

Engineering Department.

Appendix A to Maintenance Estimate (not for audit purposes).
Estimate for Maintenance, Half-year ending 31st December, 1890.
DIVISION No. 1.—From Villupuram to Tiruvannamallai.

Miles Maintained.	Departmentally.	By Contract.	Total
Railway Line ... Double	41·25	...	41·25
Railway Line ... Single	...	...	...
Sidings ...	1·84	...	1·84
Total...	43·09	...	43·09

Monthly Charges.

Description of Works.	Cost.	Total.
	Rs.	Rs.
II. Maintenance of Permanent Way		
(1) **Wages.**		
(*a*) 14 Gangs ...	934	
(*b*) Establishment ...	50	984
(2) **Maintenance**		
Ballast ... Rails ... Sleepers .. Fittings ...	100	100
Total Heading II...	...	1,084
III. Repairs of Bridges and Culverts, Wages and Materials.		
(1) Bridges and Culverts .. Tunnels and Iron Bridges		
(2) Earthwork. Fences ... Roads and Level Crossings Miscellaneous	1,234	1,234
Total Heading III...	...	1,234
III—A. Conservancy of Rivers ...	...	...
Total Heading III—A...	...	...
IV. Repairs of Stations and Buildings, Wages and Materials.		
(1) Station Buildings, Yard, Signal Gate, Lodges, &c. ... (2) Staff Quarters ...	687	687
Total Heading IV...	..	687
V. Maintenance by Contract.		
(1) Amount to be paid ...	...	...
(2) Materials to be supplied...	...	...
Total Heading V...	...	...
VI. New Minor Works ...	...	...
VII. Unclassified Expenditure		
(1) Plantations ...		
(2) Tools and Plant ...	28	
(3) Loss on Stores ...	1,027	
(4) Carriage of Revenue Stores ...	...	1,055
Total Heading VII...	...	1,055
Grand Total...	...	4,060

CHIEF ENGINEER'S OFFICE,
TRICHINOPOLY, *20th June*, 1890.

DAVID LOGAN,
Chief Engineer.

REMARKS.

(*a*)

Maistry. No.	Maistry. Amount.	Men. No.	Men. Amount.	Total. No.	Total. Amount.	No. of Gangs.
	Rs. a. p.		Rs. a. p.		Rs. a. p.	
1	8 0 0	11	60 8 0		68 8 0	1
1	7 0 0	11	60 8 0		67 8 0	1
1	6 0 0	11	60 8 0		66 8 0	12
						14

(*b*)

	Rs.	A.	P.
1 Carpenter	15	0	0
1 Blacksmith	15	0	0
1 Bellows Boy	5	0	0
1 Painter	15	0	0
Total...	50	0	0

VILLUPURAM GUNTAKUL STATE RAILWAY.

Appendix B to Maintenance Estimate (not for audit purposes).

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

Heads of Charges in Revenue Account.	Division No. 1. 41¼ Miles Single Line.		Total 41¼ Miles, Single Line.			
			Per Month.		For the Half-year.	
	Amount.	Per Mile.	Amount.	Per Mile.	Amount.	Per Mile.
	Rs.		Rs.		Rs.	
Head No. II.						
(1)	2,952	72	984	23	2,952	72
(2)	300	7	100	4	300	7
Total ...	3,252	79	1,084	27	3,252	79
Head No. III.						
(1)	3,702	89	1,234	30	3,702	89
(2)	...	...	...	...	...	...
Total ...	3,702	89	1,234	30	3,702	89
Head No. III—A	...	...	...	...	...	...
Head No. IV.						
(1)	2,061	50	687	17	2,061	50
(2)	...	...	...	...	...	...
Total ...	2,061	50	687	17	2,661	50
Head No. V	...	...	...	...	...	...
Head No. VI	...	...	...	...	...	...
Head No. VII.						
(1)	84	2	28	1	84	2
(2)	3,081	75	1,027	24	3,081	75
(3)	...	...	...	...	...	...
(4)	...	...	...	...	...	...
Total ...	3,165	77	1,055	25	3,165	77
Grand Total ...	12,180	295	4,060	99	12,180	295

Chief Engineer's Office,
Trichinopoly,
20th June, 1890.

DAVID LOGAN,
Chief Engineer.

SOUTH INDIAN RAILWAY.

Locomotive Department.

ABSTRACTS **B** AND **C.**

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

Designation or Capacity in which employed.	ACTUALS FOR HALF-YEAR ENDED 31ST DEC., 1889.	SANCTIONED FOR HALF-YEAR ENDING 30TH JUNE, 1890.		PROPOSED FOR THE HALF-YEAR ENDING 31ST DECEMBER, 1890.				REMARKS.
	Total for the Half-year.	No.	Total for the Half-year.	Number of each grade.	Maximum rate of salary.	Total amount per mensem.	Total for the Half-year.	
Head Quarters.	Rs.		Rs.		Rs.	Rs.	Rs.	
Locomotive Superintendent ...	7,800	1	7,800	1	1,300	1,300	7,800	
Asst. Locomotive Superintendent	2,480	1	3,000	1	500	500	3,000	
Do. Personal allowance	334	...	600	...	100	100	600	
Acting Asst. Locomotive Supt...	1,994	...	...	...	...	...	...	
Asst. Locomotive Superintendent.	2,100	1	2,150	1	375	375	2,250	(a)
Chief Clerk	900	1	900	1	150	150	900	
Clerks	6,298	34	6,360	36	99	1,100	6,600	(b)
Head Draughtsman	...	...	...	1	100	100	600	(c)
Draughtsmen and Tracers ...	1,200	6	1,370	4	50	200	1,200	
Moochee	96	1	100	1	16	16	96	
Peons and Messengers ...	532	13	582	13	10	97	582	
Punkahmen	69	2	90	2	7	15	90	
Workshops.								
Timber Measurer	240	1	240	1	50	50	300	(d)
Time-keepers and Time-takers...	1,301	9	1,440	9	50	240	1,440	
Foremen	10,660	6	11,900	6	350	2,050	12,300	(e)
Assistant Foreman	...	...	...	...	...	...	...	
Native Foremen ...	1,893	6	1,980	6	100	330	1,980	
Boiler Inspector	...	...	...	...	...	...	...	
Moulder	...	1	210	1	35	35	210	
Fitters	12,411	55	12,300	67	200	2,650	15,900	(f)
Fuel Storekeepers	210	2	270	2	35	45	270	
Rolling Stock Inspectors ...	726	3	780	3	70	130	780	
Coalmen and Cleaners ...	1,722	46	2,016	46	15	336	2,016	
Subsidy for Night Schools ...	87	...	60	...	...	...	...	
Native Subordinates.								
Pattern-maker	209	1	210	1	35	35	210	
Store Issuers and Workshop Clerks	2,003	20	2,310	20	50	385	2,310	
Lifters and Greasers	286	10	470	10	17	78	468	
Sweepers	202	6	250	6	7	41	246	
Watch and Ward.								
Gate Sergeant, Negapatam ...	300	1	300	1	50	50	300	
Asst. Gate Sergeant, do. ...	60	1	90	1	15	15	90	
Watch and Ward, do. ...	1,245	30	1,320	30	10	220	1,320	
Do. Districts ...	1,060	28	1,190	28	8	198	1,190	
District Establishment.								
Foremen	12,648	8	14,550	8	350	2,425	14,550	
Clerks and Store Issuers ...	2,577	22	3,070	25	50	554	3,325	(g)
Storekeepers	98	2	420	3	35	80	480	(h)
Time-keepers and Time-takers .	...	2	360	2	30	60	360	
Drivers	36,020	65	39,600	69	200	6,800	40,800	(i)
Native Drivers	5,554	44	6,180	47	50	1,125	6,750	(j)
Firemen	6,535	55	8,800	61	109	1,556	9,340	(k)
Native Firemen	11,895	214	12,540	228	30	2,240	13,440	(l)
Fuel Storekeepers	948	12	1,220	14	30	223	1,340	(m)
Coalmen and Cleaners ...	6,876	200	7,050	215	15	1,235	7,410	(n)
Water, including Wages & Stores	9,833	170	10,500	180	9	1,785	10,710	(o)
Rolling Stock Inspectors ...	2,274	16	3,120	17	70	537	3,225	(p)
Night Syrangs	90	2	180	2	15	30	180	
Fitters	9,805	68	10,000	74	200	1,816	10,900	(q)

..... (a) Increase as per agreement.

..... (b) 2 Clerks for Villupuram-Guntakal State Railway.
..... (c) Reorganization of the Drawing Office and creation of the post of head draughtsman.

..... (d) Increase to deserving men.

..... (e) Provision made for increase under agreements.

.. .. (f) 12 required for erection of Villupuram-Guntakal State Railway chargeable to Capital.

..... (g) 2 Clerks and 1 Store Issuer for V. G. S. Railway.
..... (h) 1 required for Villupuram-Guntakal State Railway.

..... (i) 4	do.	do.	For three months.
..... (j) 3	do.	do.	
..... (k) 6	do.	do.	
..... (l)14	do	do.	
..... (m) 2	do.	do.	
..... (n)15	do.	do.	
..... (o)10	do.	do.	
..... (p) 1	do.	do.	
..... (q) 6	do.	do.	

SOUTH INDIAN RAILWAY.

Locomotive Deprtment.

Estimate of the Cost of Repairs and Renewals of Engines during the Half-year ending 31st December, 1890.

Description of Stock.	Number.	Cost.	Expenditure to end of previous Half-year.	Expenditure during Half-year.	Remarks.
		Rs.	Rs.	Rs.	
Renewals.					
Engines	...	...	...	...	
Repairs.					
Engines	54	1,52,050	...	1,52,050	
Total, Repairs and Renewals...	54	1,52,050	...	1,52,050	

Loco. & Carr. Supt.'s Office,
Negapatam,
28th April, 1890.

C. E. CRIGHTON,
Loco. and Carr. Supt.

SOUTH INDIAN RAILWAY.

Locomotive Department.

Estimate of the Cost of Repairs and Renewals of Coaching and Goods Vehicles during the Half-year ending 31st December, 1890.

Description of Stock.	Number to be renewed or repairs.	Cost.	Expenditure to end of previous Half-year.	Expenditure during Half-year.	Remarks.
		Rs.	Rs.	Rs.	
Renewals.					
Coaching Stock	...	...	...	...	
Goods do.	...	...	...	...	
Repairs.					
Coaching Stock	128	45,209	...	45,209	
Goods do.	287	89, 866	...	89,866	
Total, Repairs and Renewals...	415	1,35,075	...	1,35,075	

Loco. & Carr. Supt.'s Office,
Negapatam,
28*th April*, 1890.

C. E. CRIGHTON,
Loco. and Carr. Supt.

SOUTH INDIAN RAILWAY.

Locomotive Department.

Distribution Return of Locomotive Establishment for the Half-year ending 31st December, 1889.

Description.	Negapatam.	Tanjore.	Trichinopoly.	Madura.	Tuticorin.	Tinnevelly.	Erode.	Madras.	Chingleput.	Arkonam.	Villupuram.	Cuddalore.	Mayavaram.	Nellore.	Renigunta.	Tirupati.	Tiruvannamaly.	All Depôts.	Total.
	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.
Store Issuers and Workshop Clerks	20	2	4	3	2	...	...	4	1	...	2	2	...	2	...	1	2	...	45
Timber Measurer	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Time-keepers and Time-takers ...	9	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	11
Foremen	6	1	1	1	1	...	...	1	1	...	2	1	...	1	...	...	...	...	15
Assistant Foreman	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Native Foremen	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6
Boiler Inspector	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Moulder	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Fitters	67	4	15	15	1	...	...	8	1	...	9	14	...	6	...	...	1	...	141
Rolling Stock Inspectors	3	1	2	1	1	1	1	1	1	1	2	1	...	1	1	1	1	...	20
Fuel Storekeepers	2	1	1	1	1	1	1	1	1	...	2	1	...	1	...	1	1	...	16
Drivers	7	1	18	7	1	...	...	14	...	...	4	11	...	6	...	...	...	...	69
Native Drivers	2	2	15	4	2	...	2	6	...	...	5	5	...	2	...	...	2	...	47
Firemen	5	3	15	7	2	...	...	7	...	...	8	8	...	4	...	...	2	...	61
Native Firemen	20	12	62	26	8	...	2	40	...	...	20	21	...	14	...	...	4	...	229
Watch and Ward	30	1	2	4	1	1	...	8	1	1	1	2	...	4	2	1	1	...	60
Coalmen and Cleaners	46	8	50	28	12	4	4	34	3	...	18	20	1	20	2	8	3	...	261
Watermen	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	180	180
Maistry	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
Pattern-maker	1	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	1
Gate Sergeant	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Assistant Gate Sergeant	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Lifters and Greasers	10	11	12	14	5	2	5	15	4	...	13	10	1	8	1	...	2	...	113
Firewood Inspector	...	...	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	2
Storekeeper	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	1	...	...	3
Night Syrangs	...	...	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	2
Sweepers and Cooks	6	2	3	5	2	2	2	1	2	1	3	3	2	1	2	1	2	...	40

LOCO. & CARR. SUPT.'S OFFICE,
NEGAPATAM, 28*th* *April*, 1890.

CHARLES E. CRIGHTON,
Loco. and Carr. Supt.

SOUTH INDIAN RAILWAY.

Locomotive and Carriage Superintendent's Department.

ABSTRACT **B.**

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

	Rs.	A.	P.	Rs.	A.	P.
1st.—General Superintendence				55,043	0	0
(1) Salaries of Superintendents and Assistants	11,057	0	0			
(2) Allowances of do. including travelling	1,050	0	0			
(3) Subordinate Superintendents	21,808	0	0			
(4) Allowances of do. including travelling	575	0	0			
(5) Overtime allowances	...	...	...			
(6) Office expenses	20,553	0	0			
2nd.—Running expenses, (*wages connected with the working of Locomotive Engines*)	...	...	...	1,18,635	0	0
(1) Wages of Drivers and Firemen	70,330	0	0			
(2) Overtime allowances	32,920	0	0			
(3) All labour connected with fuelling, cleaning and looking after Engines in yards	12,895	0	0			
(4) Contingent expenses, including clothing and travelling expenses	2,490	0	0			
3rd.—Fuel	...	...	...	2,91,250	0	0
(1) Coal Tons	2,55,500	0	0			
(2) Coke	...	...	...			
(3) Patent Fuel	...	...	...			
(4) Wood	35,750	0	0			
4th.—Water, (*including Wages and Stores*)	...	...	...	10,710	0	0
5th.—Oil, Tallow and other Stores (*expended on Engines in work*).	...	...	...	19,500	0	0
6th.—Maintenance and Renewals of Locomotive Engines and Machinery	...	...	...	1,52,050	0	0
(1) Wages	86,800	0	0			
(2) Overtime allowances	4,750	0	0			
(3) Materials	60,500	0	0			
7th.—New Minor Works	...	...	...	1,000	0	0
8th.—Payments to other Lines	...	...	...			
(1) For haulage of Trains	...	...	...			
9th.—Unclassified Expenditure	...	...	...	58,000	0	0
(1) Loss on Stores, &c.	...	...	...			
(2) Loss by Exchange	38,500	0	0			
(3) Carriage of Revenue Stores	19,500	0	0			
Total...	...	...	...	7,06,188	0	0
Deduct—Credits received for work done in Workshops for other Departments	...	...	...			
Value of Stores returned to Stock...	...	...	...			
Sum chargeable to Fund	...	...	...			
Total...	...	...	...	7,06,188	0	0
Less amount charged to special and miscellaneous for Conservancy				Rs. 882	0	0

LOCO. & CARR. SUPT.'S OFFICE,
NEGAPATAM, *28th April*, 1890.

CHARLES E. CRIGHTON,
Loco. and Carr. Supt.

SOUTH INDIAN RAILWAY.

Locomotive and Carriage Superintendent's Department.

ABSTRACT **C.**

Carriage and Wagon Expenses for Half-year ending 31st December, 1890.

	Rs.	A.	P.	Rs.	A.	P.
1st.—General Superintendence	...	...	...	13,994	0	0
(1) Salaries of Superintendents and Assistants	2,593	0	0			
(2) Allowances of do. including travelling	420	0	0			
(3) Subordinate Superintendents	5,820	0	0			
(4) Allowances of do. including travelling	260	0	0			
(5) Overtime allowances	...	...	...			
(6) Office Expenses	49,01	0	0			
2nd.—Repairs and Renewals of Vehicles and Machinery.	...	...	...	1,35,075	0	0
COACHING VEHICLES—						
(1) Wages	19,834	0	0			
(2) Overtime	1,125	0	0			
(3) Materials	24,250	0	0	45,209	0	0
GOODS VEHICLES—						
(1) Wages	39,666	0	0			
(2) Overtime	1,700	0	0			
(3) Materials	48,500	0	0	89,866	0	0
3rd.—Cleaning Carriages and Wagons, Oiling	...	...	...	14,465	0	0
(1) Labour, including wages of Oilers, Carriage Cleaners and Examiners	9,915	0	0			
(2) Stores, including oil, grease and other stores for consumption on running vehicles	4,550	0	0			
4th.—New Minor Works	...	...	...	500	0	0
5th.—Unclassified Expenditure	...	...	...	29,000	0	0
(1) Loss on Stores, &c.	...	...	...			
(2) Loss by Exchange	19,300	0	0			
(3) Carriage of Revenue Stores	9,700	0	0			
Total...	...	..	...	1,93,034	0	0
Deduct— Credits received for work done in Workshops for other Departments, &c.						
Value of Stores returned to Stock						
Sum chargeable to Fund						
Total...	...	...	...	1,93,034	0	0

LOCO. & CARR. SUPT.'S OFFICE,
NEGAPATAM,
28th April, 1890.

CHARLES E. CRIGHTON,
Loco. and Carr. Supt.

SOUTH INDIAN RAILWAY.

Estimate of Traffic Establishment for Half-year ending 31st December, 1890.
All Salaries of Rs. 100 and upwards are separately detailed.

Designation or Capacity in which employed.	Actuals for Half-year ended 31st December, 1889.	Sanctioned for Half-year ending 30th June, 1890.		Establishment for Half-year ending 31st Dec., 1890.				REMARKS
		Number.	Total for Half year.	Number of each grade.	Maximum rate of salary.	Total amount per mensem.	Total for Half-year.	
I.—Salaries and Wages—	Rs.		Rs.		Rs.	Rs.	Rs.	
(a) General Superintendence—								
(1 & 2) Traffic Manager		1	6,000	1	1,000	1,000	6,000	
Do. Personal allowance ...		...	600	...	...	...	...	
Messrs. Cook & Son, Commission on Tourists' tickets	80	...	50	...	...	$8\frac{1}{3}$	50	
District Traffic Superintendent, Head Quarters	3,000	1	3,000	1	500	500	3,000	
Office Establishment.								
Clerks	900	1	900	1	150	150	900	
Do.	780	1	780	1	130	130	780	
Do.	660	1	660	1	110	110	660	
Peons	6,160	47	6,750	47	75	1,125	6,750	
District Traffic Superintendent, Trichinopoly	270	8	312	8	7	52	312	
Office Establishment.	3,000	1	3,000	1	500	500	3,000	
Clerks	692	6	720	6	35	120	720	
Peons	82	2	84	2	7	14	84	
District Traffic Superintendent, Madras ...	3,000	1	3,000	1	500	500	3,000	
Office Establishment.								
Clerks	700	8	720	8	35	120	720	
Peons	78	2	84	2	7	14	84	
District Traffic Superintendent, Madura ...	3,000	1	3,000	1	500	500	(a)3,000	……(a) Temporary occupant of post to draw Rs. 200 per mensem.
Office Establishment.								
Clerks	667	6	720	6	35	120	720	
Peons	78	2	84	2	7	14	84	
District Traffic Superintendent, Nellore ...	1,500	1	1,500	1	250	250	1,500	
Office Establishment.								
Clerks	255	3	330	3	25	55	330	
Peons	60	2	66	2	6	11	66	
Traffic Canvassers (Inspectors)	903	2	1,200	2	100	200	1,200	
Do.	600	2	630	2	55	105	630	
Train Inspectors	2,520	6	3,600	6	100	600	3,600	
Platform Inspectors	967	6	1,080	6	40	180	1,080	
Clock Repairers	420	2	420	2	40	70	420	
Clock Winders	330	3	360	3	20	60	360	
Time and Storekeeper	150	1	150	1	25	25	150	
Weighing Machine Inspectors	810	1	870	1	145	145	(b)870	……(b) Rupees 15 per mensem of this salary chargeable to Locomotive Department.
Do Cooly Fitter	150	1	150	1	25	25	150	
Travelling allowances	1,681	...	2,420	...	...	$403\frac{1}{3}$	2,426	
Contingencies	334	...	360	...	...	60	360	

SOUTH INDIAN RAILWAY.

Estimate of Traffic Establishment for Half-year ending 31st December, 1890.
All Salaries of Rs. 100 and upwards are separately detailed.

Designation or Capacity in which employed.	Actuals for Half-year ended 31st Dec., 1889.	Sanctioned for Half-year ending 30th June, 1890.		Establishment for Half-year ending 31st Dec., 1890.				REMARKS.
		Number.	Total for Half-year.	Number of each grade.	Maximum rate of salary.	Total amount per mensem.	Total for Half-year.	
I. Salaries and Wages—*continued.*	Rs.		Rs.		Rs.	Rs.	Rs.	
(*b*) Station Staff—								
(1) Station Masters	540	2	1,200	2	100	200	1,200	
Do. and Asst. Station Masters...	19,880	124	21,420	124	80	3,570	21,420	
(2) Clerks	720	1	720	1	120	120	720	
Do.	23,543	289	26,040	289	60	4,340	26,040	
(3) Shunters	1,780	31	2,280	31	20	380	2,280	
(4) Pointsmen	25,119	639	27,084	643	9	4,542	27,252(*a*)	
(5) Watch and Ward Watchmen	3,478	101	3,918	101	25	653	3,918	
(6) Menials, including transhipping at Erode and Arkonam	26,262	803	30,276	808	15	5,076	30,456(*b*)	
(7) Gatemen	19,560	718	21,540	739	10	3,695	22,170(*c*)	
(8) Stores ...	1,010	...	1,554	...	...	279$\frac{5}{6}$	1,675(*d*)	
(9) Training Staff	1,084	40	1,200	80	5	400	2,400(*d*)	
(10) Rewards to Pointsmen	513	...	600	...	...	100	600	
(*c*) Train Staff—								
(1) Guards and Assistant Guards	23,625	122	28,080	122	100	4,680	28,080	
(2) Overtime Allowances	948	...	900	...	...	150	900	
II.—Fuel, Lights, Water and General Stores—								
(1) Fires, lights, water and general Stores ...	21,847	...	18,450	...	...	3,666$\frac{2}{3}$	22,000(*e*)	
(2) Wagon covers and ropes	1,008	...	1,700	...	...	283$\frac{1}{3}$	1,700	
(3) Office and Station fittings	2,086	...	2,050	...	...	341$\frac{2}{3}$	2,050	
III.—Clothing for Guards, &c.	9,252	...	13,400	...	...	2,233$\frac{1}{3}$	13,400	
IV.—Printing, Stationery and Tickets ...	24,235	...	22,975	...	...	4,050	24,300(*f*)	
V.—Charges for Delivery and Collection of Goods	19	...	75	...	...	12$\frac{1}{2}$	75	
VI.—Miscellaneous Expenses	253	...	1,100	...	...	183$\frac{1}{3}$	1,100	
VII.—Payments to other Lines—								
(1) Traffic expenses at joint stations ...	1,357	...	2,550	...	...	425	2,550	
VIII.—Unclassified Expenditure—								
(1) Loss on Stores ...	150	...	550	...	...	91$\frac{2}{3}$	550	
(2) Loss on Exchange	12,686	...	11,600	...	...	2,116$\frac{2}{3}$	12,700(*g*)	
(3) Carriage of Revenue Stores	2,828	...	3,000	...	...	500	3,000	
Total Amount...	2,57,610	...	2,87,862	...	...	49,356	2,95,536	
Less amount (part salary of Weighing Machine Inspectors) charged to Locomotive Dept. Rs. 610-0-0 / Do. Salary of Time and Storekeeper charged to Maintenance wages ... ... Rs. 100-0-0	710	...	90	...	...	15	90	
Total...	2,56,900	...	2,87,772	..	...	49,341	2,95,446	

(*a*) Extra pointsmen required at Cuddalore O. T. for new siding put in for Messrs. Parry & Co., and for Puliyur, that station being a passing station from 1st April.

(*b*) Provision for Water carriers at Sundaraperumalkoil, Tulukapati and Gangaikondan and two extra porters at Trichy Fort for increased work.

(*c*) Increase due to provision having been made for night staff between Madura and Virudupati to meet train requirements from 1st April.

(*d*) Training staff required for the V. G. State Railway.

(*e*) To accord with actuals.

(*f*) Do. do.

(*g*) Do. do.

Traffic Manager's Office,
Trichinopoly,
5th May, 1890.

J. H. STENSON,
for *Traffic Manager.*

SOUTH INDIAN RAILWAY.

Estimate of Telegraph Establishment for Half-year ending 31*st December*, 1890.

All Salaries of Rs. 100 *and upwards are separately detailed.*

Designation or Capacity in which employed.	Actuals for Half-year ended 31st Dec., 1889.	Sanctioned for Half-year ending 30th June, 1890.		Proposed for Half-year ending 31st December, 1890.				Remarks.
		Number.	Total for Half-year.	Number of each grade.	Maximum rate of salary.	Total amount per mensem.	Total for Half-year.	
	Rs.		Rs.		Rs.	Rs.	Rs.	
(1) Salaries of Inspectors	720	1	900	1	150	150	900	
Workmen	1,098	12	1,098	12	30	183	1,098	
Watchmen	72	3	108	3	6	18	108	
Lascars	226	5	228	5	10	38	228	
(2) Signallers	20,169	251	21,480	254	40	3,610	21,660(*a*)	
Peons	636	20	786	20	7	131	786	
Training Staff	403	20	600	40	5	200	1,200(*b*)	
(3) Travelling Allowances	114	...	150	...	...	25	150	
(4) Office Expenses and Contingencies	2,666	...	4,100	...	...	683⅓	4,100	
(5) Maintenance, Wages and Stores ... Credit.	929	...	298	...	..	49⅔	298	
(6) Government Telegraph Department for Rent, Maintenance and Inspection	19,078	...	21,500	...	...	3,583⅓	21,500	
Total...	44,253	...	51,248	...	...	8,671⅓	52,028	

(*a*) Provision for extra staff between Madura and Virudupati necessitated by the altered Train service from 1st April, 1890.

(*b*) Training staff required for V. G. State Railway.

TRAFFIC MANAGER'S OFFICE,
TRICHINOPOLY,
5th May, 1890.

J. H. STENSON,
for *Traffic Manager.*

SOUTH INDIAN RAILWAY.

ABSTRACT **D.**

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

	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
I.—Salaries, Wages, &c.	...	...	...	...	...	...	2,08,486	0	0
(a) *General Superintendence*	...	...	...	39,970	0	0			
(1) Traffic Manager and Dist. Traffic Supt., &c.	24,980	0	0						
(2) Office Establishment	12,210	0	0						
(3) Travelling Allowances	2,420	0	0						
(4) Contingencies	360	0	0						
(b) *Station Staff*	...	...	...	1,39,536	0	0			
(1) Station Masters, Clerks, Inspectors, Porters, Pointsmen, Gate-keepers of level crossings, Signalmen and Station servants, &c.	1,39,536	0	0						
(c) *Train Staff*	...	...	...	28,980	0	0			
(1) Guards and Assistant Guards	28,080	0	0						
(2) Overtime Allowances	900	0	0						
II.—Fuel, Lighting, Water and General Stores				...	...	...	27,425	0	0
(1) Fires, lights, water and general stores for carriages, stations, offices, &c.				23,675	0	0			
(2) Wagon covers and ropes, &c.				1,700	0	0			
(3) Office and Station fittings and furniture				2,050	0	0			
III.—Clothing				...	...	...	13,400	0	0
IV.—Printing, Stationery and Tickets				...	...	...	24,300	0	0
V.—Charges for Delivery and Collection of Goods				...	...	...	75	0	0
VI.—Miscellaneous Expenses				...	...	...	2,960	0	0
VII.—Payments to other lines				...	...	...	2,550	0	0
(1) Traffic expenses at joint stations				2,550	0	0			
VIII.—Unclassified Expenditure				...	..	...	16,250	0	0
(1) Loss on Stores				550	0	0			
(2) Loss on Exchange				12,700	0	0			
(3) Carriage of Revenue Stores				3,000	0	0			
Total...				...	...	...	2,95,446	0	0

TRAFFIC MANAGER'S OFFICE,
TRICHINOPOLY,
5th May, 1890.

J. H. STENSON,
for *Traffic Manager.*

SOUTH INDIAN RAILWAY.

Distribution Statement of Station Staff for Half-year ending 31st December, 1890.

STATIONS.	Clerk in charge.		Clerks.		Shunters.		Pointsmen.		Watchmen.		Menials.		Signallers.		Peons.		Total.	
	No.	Amount per mensem.	No.	Amount per mensem.	No.	Amount per mensem.	No.	Amount per mensem.	No.	Amount per mensem.	No.	Amount per mensem.	No.	Amount per mensem.	No.	Amount per mensem.	No.	Amount per mensem.
		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.
Beach	...	...	2	35	...	...	5	36	...	...	1	6	...	...	...	...	8	77
Fort	...	...	1	15	...	...	1	7	...	...	1	6	...	...	...	...	3	28
Park	...	...	1	15	...	...	2	14	...	...	1	6	...	...	...	...	4	35
Madras (Egmore)	2	110	36	740	2	29	24	168	9	54	60	411	8	165	3	21	144	1,698
Chetput	...	...	1	20	...	...	5	35	...	...	1	6	2	25	...	...	9	86
Kodambakam	...	...	1	20	...	...	4	28	...	...	1	6	2	25	...	...	8	79
Saidapet	1	30	2	20	...	...	6	42	...	...	6	36	2	30	...	...	17	158
St. Thomas' Mount	1	30	2	30	...	...	5	35	...	...	6	36	2	25	...	...	16	156
Pallavaram	1	50	3	55	...	...	8	57	...	...	5	29	3	40	...	...	20	231
Vandalur	1	20	...	...	...	...	5	35	...	...	5	29	2	25	...	...	13	109
Guduvancheri	1	20	...	...	...	...	5	35	...	...	5	29	2	25	...	...	13	109
Singaperumalkoil	1	20	...	...	...	...	5	35	...	...	4	24	2	25	...	..	12	104
Chingleput	2	90	10	140	1	12	16	113	2	12	17	102	5	85	1	7	54	561
Kolatur (North)	1	20	...	...	...	...	2	14	...	...	4	24	2	25	...	...	9	83
Padalam	1	20	...	...	...	...	4	28	...	...	3	18	2	25	...	...	10	91
Madurantakam	1	25	1	10	...	...	5	35	...	...	6	36	2	25	...	...	15	131
Acharapakam	1	20	...	...	...	...	5	35	...	...	7	40	2	25	...	...	15	120
Perambire	1	20	...	...	...	...	4	28	...	...	4	24	2	25	...	...	11	97
Olakur	1	20	...	...	...	...	5	35	...	...	5	30	2	25	...	...	13	110
Tindivanam	1	20	...	...	...	...	5	35	...	...	9	53	2	30	...	...	20	178
Mailam	1	25	3	35	...	...	5	35	...	...	4	24	2	25	...	...	12	104
Vikravandi	1	20	...	...	...	...	5	35	...	...	5	30	2	25	...	...	13	110
Villupuram	1	20	...	...	...	...	15	106	2	12	16	96	6	85	...	...	49	464
Panruti	1	40	7	100	2	25	7	49	2	12	8	48	2	25	...	...	26	274
Nellikuppam	1	50	6	90	...	...	8	57	...	...	7	42	2	25	...	...	19	164
Cuddalore, (New Town) ...	1	25	1	15	...	...	3	21	...	...	4	25	2	30	...	...	13	136
Do. (Old Town) ...	1	25	3	35	...	...	14	99	1	6	19	112	7	120	1	7	51	496
Alapakam	1	50	6	80	2	22	4	28	...	...	4	24	2	25	...	...	11	97
Porto-Novo	1	20	...	...	...	...	5	35	...	...	5	30	2	25	...	...	13	110
Killai	1	20	...	...	...	...	3	21	...	...	3	18	2	25	...	...	9	84
Chidambaram	1	20	...	...	...	...	6	42	...	...	7	41	2	35	...	...	18	173
Coleroon	1	30	2	25	...	...	6	42	...	...	4	24	2	25	...	...	13	111
Shiyali	1	20	...	...	...	...	5	35	...	...	6	37	2	25	...	...	15	132
Vaithisvarankoil	1	25	1	10	...	...	5	35	...	...	4	24	2	25	...	...	12	104
Antandavapuram	1	20	...	...	...	...	4	28	...	...	3	18	2	25	...	...	10	91

SOUTH INDIAN RAILWAY.

Distribution Statement of Station Staff for Half-year ending 31st December, 1890.

STATIONS.	Clerks in charge.		Clerks.		Shunters.		Pointsmen.		Watchmen.		Menials.		Signallers.		Peons.		Total.	
	No.	Amount per mensem.	No.	Amount per mensem.	No.	Amount per mensem.	No.	Amount per mensem.	No.	Amount per mensem.	No.	Amount per mensem.	No.	Amount per mensem.	No.	Amount per mensem.	No.	Amount per mensem.
		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.
Mayavaram	2	55	4	50	...	...	5	39	1	6	8	48	3	45	...	...	23	243
Kuttalam	1	20	...	...	...	...	5	35	...	...	3	18	2	25	...	...	11	98
Narasinganpet	1	20	...	...	...	...	5	35	...	...	4	24	2	25	...	...	12	104
Tiruvadamarudur	1	25	...	...	...	...	5	35	...	...	4	24	2	25	...	...	12	109
Kumbakonam	2	100	7	95	1	10	7	49	1	6	15	89	3	55	...	...	36	404
Sundaraperumalkoil	1	20	...	...	...	...	4	28	...	...	4	24	2	25	...	...	11	97
Papanasam	1	20	...	...	...	...	4	28	...	...	4	24	2	25	...	...	11	97
Ayyampet	1	20	...	..	...	...	4	28	..	...	4	24	2	25	..	...	11	97
Titte	1	20	...	...	..	..	4	28	...	...	3	18	2	25	...	...	10	91
Tanjore	2	150	18	250	2	25	25	175	6	36	23	135	8	130	1	6	85	907
Budalur	1	20	..	...	...	...	6	42	...	...	4	24	2	25	...	...	13	111
Tiruverambur	1	20	...	...	...	...	4	28	...	...	4	24	2	25	...	...	11	97
Trichinopoly Junction	2	140	23	330	4	55	24	180	11	71	43	282	14	250	2	14	123	1,322
Kolatur (South)	1	20	...	...	...	...	4	28	...	...	4	24	2	25	...	...	11	97
Manaparai	1	25	...	...	...	...	4	28	...	...	6	36	2	25	...	...	13	114
Vaiyampati	1	20	...	...	...	...	4	28	...	...	5	30	2	25	...	..	12	103
Ayyalur	1	20	...	...	...	...	4	28	...	...	5	30	2	25	...	...	12	103
Vadamadura	1	20	...	...	...	...	4	28	...	...	4	24	2	25	...	...	11	97
Dindigul	2	65	6	75	1	10	10	72	4	24	10	59	3	50	...	...	36	355
Ambaturai	1	20	...	...	...	...	3	21	...	...	5	29	2	25	...	...	11	95
Ammayanayakanur	1	35	4	45	...	...	6	42	...	...	12	78½	3	40	...	...	26	240½
Sholavandan	1	20	...	...	...	...	4	28	...	...	4	24	2	25	...	...	11	97
Samayanallur	1	20	...	...	...	...	4	28	...	...	3	18	2	25	...	...	10	91
Madura	2	100	23	395	2	30	16	112	15	128	32	246	7	130	2	12	99	1,153
Tiruparankundram	1	20	...	...	...	...	3	21	...	...	2	12	2	20	...	...	8	73
Tirumangalam	1	25	...	...	...	..	3	21	...	...	5	30	2	20	...	...	11	96
Kalligudi	1	20	...	...	...	...	3	21	...	...	3	18	2	20	...	...	9	79
Virudupati	1	60	4	60	1	10	6	44	2	12	8	49	2	35	...	...	24	270
Tulukapati	1	20	...	...	...	...	3	21	...	...	4	24	1	10	...	...	9	75
Satur	1	25	1	10	...	...	6	42	1	6	4	24	1	10	...	...	14	117
Koilpati	1	25	1	10	...	...	5	35	1	6	4	24	1	10	...	...	13	110
Kumarapuram	1	20	...	...	...	...	3	21	...	...	3	18	1	10	...	...	8	69
Kadambur	1	20	...	...	...	...	3	21	...	...	3	18	1	10	..	...	8	69
Maniyachi Junction	1	40	3	45	1	10	10	70	1	6	9	52	4	50	...	...	29	273
Tataparai	1	20	...	...	...	...	2	14	..	...	4	24	1	10	...	...	8	68
Tuticorin	1	70	9	135	1	15	12	96	6	36	12	73	2	35	2	13	45	473
Gangaikondan	1	20	...	...	...	...	3	21	...	...	3	18	1	10	...	...	8	69
Tinnevelly	1	60	9	150	1	15	7	49	5	30	8	48	3	45	1	7	35	404
Villiyampakam	1	20	...	...	...	...	2	14	...	...	2	12	1	10	...	...	6	56
Walajabad	1	20	...	...	...	...	2	14	...	...	3	18	1	10	...	...	7	62
Conjeeveram	1	30	3	45	...	...	5	35	...	...	6	36	2	25	...	...	17	171
Pullur	1	20	...	...	...	...	2	14	...	...	1	6	1	10	...	...	5	50
Arkonam	1	50	5	75	...	...	5	35	...	...	9	54	2	30	...	...	22	244
Valavanur	1	20	1	10	...	...	3	21	...	...	3	18	1	10	...	..	9	79

SOUTH INDIAN RAILWAY.

Distribution Statement of Station Staff for Half-year ending 31st December, 1890.

STATIONS.	Clerks in charge.		Clerks.		Shunters.		Pointsmen.		Watchmen.		Menials.		Signallers.		Peons.		Total.	
	No.	Amount per mensem.	No.	Amount per mensem.	No.	Amount per mensem.	No.	Amount per mensem.	No.	Amount per mensem.	No.	Amount per mensem.	No.	Amount per mensem.	No.	Amount per mensem.	No.	Amount per mensem.
		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.
Kandamangalam	1	20	1	10	...	...	3	21	...	...	4	23	1	10	...	...	10	84
Villenur	1	20	...	...	...	...	3	21	...	...	3	18	1	10	...	...	8	69
Pondicherry	1	80	5	85	1	10	4	28	...	...	9	54	2	30	1	6	23	293
Saliamangalam	1	20	...	...	...	...	5	35	...	...	4	24	2	25	...	...	12	104
Ammapet	1	25	...	...	...	...	4	28	...	...	3	17	2	25	...	...	10	95
Nidamangalam	1	30	2	25	...	...	8	56	1	6	7	42	2	25	...	...	21	184
Koradacherry	1	25	1	10	...	...	7	49	...	...	5	28	2	25	...	...	16	137
Kulikarai	1	20	...	...	...	...	5	35	...	...	4	22	2	25	...	...	12	102
Tiruvalur	1	25	2	20	...	...	6	43	..	...	5	30	2	30	...	...	16	148
Kivalur	1	20	...	...	...	...	4	28	...	..	3	18	2	25	...	...	10	91
Sikkil	1	20	...	...	...	...	4	28	..	..	2	12	2	25	...	...	9	85
Negapatam	2	130	16	225	2	30	14	99	6	36	28	178½	4	60	1	7	73	765½
Trichinopoly Fort	2	75	14	240	1	10	9	64	8	52	23	140	4	60	1	7	62	648
Elamanur	1	20	...	...	...	...	3	21	...	...	3	18	1	10	...	...	8	69
Pettaivayatalai	1	20	...	...	...	...	3	21	...	...	3	18	1	10	...	...	8	69
Kulitalai	1	25	1	10	...	...	3	21	...	...	4	24	1	10	...	...	10	90
Lalapet	1	20	...	...	...	...	3	21	...	...	3	18	1	10	...	...	8	69
Katalai	1	20	...	...	...	...	3	21	...	...	4	23	1	10	...	...	9	74
Puliyur	1	20	...	...	...	...	3	21	...	...	2	12	1	10	...	...	7	63
Karur	1	40	5	75	1	12	5	35	2	12	7	42	2	40	...	...	23	256
Pugalur	1	20	...	...	...	...	3	21	...	...	3	18	1	10	...	...	8	69
Kodumudi	1	25	...	...	...	...	3	21	...	...	4	24	1	15	...	...	8	85
Unjalur	1	20	...	...	...	...	2	14	...	...	2	12	1	10	...	...	6	56
Pasur.	1	20	...	...	...	...	2	14	...	...	2	12	1	10	...	...	6	56
Erode	1	65	8	120	1	10	7	49	4	24	10	60	2	35	...	...	33	363
Nellore	1	40	6	95	1	10	6	42	2	12	10	60	3	40	1	6	30	305
Venkatachella Chattram	1	20	...	...	...	...	3	21	...	...	5	30	1	15	...	...	10	86
Manohole	1	20	...	...	...	...	2	14	...	...	5	30	1	15	...	...	9	79
Gudur	1	30	1	10	...	...	4	28	1	6	6	36	1	15	...	...	14	125
Vendodu	1	20	...	...	...	...	2	14	..	...	5	30	1	15	...	...	9	79
Venkatagiri	1	25	1	10	...	...	3	21	...	...	5	30	1	15	..	...	11	101
Yellakuru	1	20	...	...	...	...	2	14	...	...	5	30	1	15	...	...	9	79
Kalahasti	1	25	1	10	...	...	3	21	...	...	5	30	1	15	...	..	11	101
Yerpedu	1	20	...	...	...	...	2	14	...	...	5	30	1	15	...	...	9	79
Tirupati	1	40	6	105	1	10	4	28	3	18	10	60	2	40	1	6	28	307
Mampalampett	1	20	...	...	...	...	3	21	...	...	5	30	1	15	...	...	10	86
Tirukoilur	1	20	...	...	...	...	3	21	...	...	5	30	1	15	...	...	10	86
Tandrai	1	20	...	...	...	...	3	21	...	...	5	30	1	15	...	...	10	86
Tiruvannahmalai	1	30	5	70	1	10	6	42	2	12	8	48	2	35	1	6	26	253
Chandragiri	1	20	...	...	...	...	3	21	...	...	5	30	1	15	...	...	10	86
Ponneepak	1	20	...	...	...	...	3	21	...	...	5	30	1	15	...	...	10	86
Pakkal	1	30	5	70	1	10	6	42	2	12	8	48	2	35	1	6	26	253
Grand Total...	126	3,770	290	4,460	31	380	643	4,542	101	653	808	4,976	254	3,610	20	131	2,273	22,522

TRAFFIC MANAGER'S OFFICE,
TRICHINOPOLY,
5th May, 1890.

J. H. STENSON,
for *Traffic Manager*.

SOUTH INDIAN RAILWAY.

Length—654 Miles, 38 Chains.

Summary of Cost of working and maintaining the open line for the Half-year ending 31st December, 1890.

HEAD OF ACCOUNT.	Sanctions. First Half of 1890.	Sanctions. Second Half of 1890.	Actuals Second Half of 1889.
	Rs.	Rs.	Rs.
Maintenance of Way, Works and Stations ...(Abstract **A**)...	8,25,372	8,18,301	6,50,544
Do. V. G. State Railway...(Do. „)...	...	16,170	...
Locomotive Expenses ... ...(Do. **B**)...	6,84,132	7,06,188	6,51,304
Carriage and Wagon Expenses ... ..(Do. **C**)...	1,57,634	1,93,034	1,70,949
Traffic Expenses ... ...(Do. **D**)...	2,87,772	2,95,446	2,56,273
General Charges .. ..(Do. **E**)...	2,07,155	2,14,263	1,93,694
Steam Boat Service ... ...(Do. **F**)...	...	...	...
Special and Miscellaneous Expenses ..(Do. **G**)...	17,498	15,850	13,849
Total...	21,79,563	22,59,252	19,36,613
Estimated average earnings per open mile	4,281	4,281	4,339
Monthly cost of Establishment	1,20,851	1,26,010	1,12,902
Cost of Establishment per open mile	184·78	192·67	172·63
Number of miles open throughout the Half-year	654	654	654

Estimated gross earnings	Rs.		
Do. expenses, being 76·07 per cent.	28,00,000		
	21,29,933		
Estimated net profits	6,70,067		
Estimated train mileage	12,98,610		
Estimated gross earnings Villupuram-Guntakul State Railway for 3 months.	50,000	} These figures are not included in the estimated gross earnings shown above.	
Do. do. Nellore Branch ...	1,20,000		
	1,70,000		

Do. Expenditure V. G.		Rs.	
Do.	...(Abstract **A**)...	16,170	
Do.	...(Do. **B**)...	22,024	
Do.	...(Do. **C**)...		
Do.	...(Do. **D**)...	5,946	
Do.	...(Do. **E**)...	1,470	
	...(Do. **G**)...	42	
		45,652	

AGENT'S OFFICE,
TRICHINOPOLY,
28th June, 1890.

WILLIAM S. BETTS,
Agent.

SOUTH INDIAN RAILWAY.

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

PARTICULARS.	Estimate for Half-year ending 31st Dec., 1890.	Sanction for Half-year ending 30th June, 1890.	Actual Expenditure for Half-year ending 31st Dec., 1889.	Comparison of Estimate for Half-year ending 31st Dec., 1890, with Actual Expenditure for Half-year ended 31st Dec., 1889.	
				Increase in Half-year ending 31st Dec., 1890.	Decrease in Half-year ending 31st Dec., 1890.
	Rs.	Rs.	Rs.	Rs.	Rs.
Agent's Office	20,613	20,613	20,495	118	...
Audit Office	56,496	54,258	48,911	7,585	...
General Stores Department	14,604	14,214	12,981	1,623	...
Medical Department	8,472	7,272	7,624	848	...
Miscellaneous Charges	77,900	77,048	73,663	4,237	...
Engineering Department—					
Establishment	96,845	1,02,502	90,699	6,146	...
Maintenance	7,21,456	7,25,564	5,62,679	1,58,777	...
Do. &c. for V. G.	16,170	...	...	16,170	...
Locomotive Department—					
Establishment	69,037	67,848	63,182	5,855	...
Wages and Stores	8,30,185	7,73,918	7,59,071	71,114	...
Traffic Department—					
Establishment	2,08,486	2,06,908	1,78,769	29,717	...
Stores and Miscellaneous Expenses	86,960	80,864	77,504	9,456	...
Electric Telegraph Department	52,028	51,248	44,253	7,775	...
Total... ..	22,59,252	21,82,257	19,39,831	3,19,421	...
Deduct Value of Stores returned to Stock of Abstract E & G.	...	...	384	384	...
Grand Total... ...	22,59,252	21,82,257	19,39,447	3,19,805	...
Abstract A	8,18,301	8,25,372	6,50,544	1,67,757	...
Do. ,, for V. G. S. Railway	16,170	...	...	16,170	...
Do. B	7,06,188	6,84,132	6,51,304	54,884	...
Do. C	1,93,034	1,57,634	1,70,949	22,085	...
Do. D	2,95,446	2,87,772	2,56,273	39,173	...
Do. E	2,14,263	2,07,155	1,93,694	20,569	...
Do. G	15,850	17,498	13,849	2,001	...
Total... ...	22,59,252	21,79,563	19,36,613	3,22,639	...
Add Engineering and Locomotive Establishment charged to Capital ...	...	2,694	2,834	...	2,834
Grand Total... ...	22,59,252	21,82,257	19,39,447	3,22,639	2,834

AGENT'S OFFICE,
TRICHINOPOLY,
28th June, 1890.

WILLIAM S. BETTS,
Agent.

Sidney Smith
Major R.E.
for Offg: Consg: Engr: for Rys:

SOUTH INDIAN RAILWAY.

Regulations for Furlough, Sick Leave, and Privilege Leave.

I.—*Furlough.*

1. The Agent may grant furlough to any European Officer of the Company, who can be conveniently spared, according to the following scale :—

A first furlough for a period not exceeding,—

12 months after 7 years' service.
14 ditto 8 ditto ditto.
16 ditto 9 ditto ditto.
18 ditto 10 or more ditto.

A second or subsequent furlough for a period not exceeding,—

6 months after 3 years' further service, dating from the expiration of the previous furlough or sick leave.
8 ditto 4 ditto ditto.
10 ditto 5 ditto ditto.
12 ditto 6 ditto ditto.
14 ditto 7 ditto ditto.
16 ditto 8 ditto ditto.
18 ditto 9 or more ditto.

2. The period of service upon which furlough may be granted is to be exclusive of time spent on leave of absence of any kind whatever, except privilege leave. No second or subsequent furlough shall be granted till after a further actual service of three years, commencing from the date of the expiration of the previous furlough; and no single furlough shall be granted for a longer period than eighteen months.

3. With the proviso that no furlough pay shall exceed the rate of £1,000 per annum, an Officer absent on furlough will be allowed half the substantive pay of his appointment, excluding all allowances.

II.—*Sick Leave.*

4. The Agent may at any time during service grant an Officer of the Company leave of absence for any period not exceeding twelve months, on the production of a certificate from the Company's Medical Officer or other Medical Officer to be approved by the Agent, declaring that he is of opinion that sick leave is necessary for a certain period, and that at the end of such time the Officer will probably be fit to resume his duties: provided the Agent is satisfied that the

sickness has not been caused by any misconduct of the Officer: provided also that nothing in this rule shall be considered as precluding the Board of Directors of the Company from extending the leave of absence of any Officer of the Company, who may have visited England on a sick certificate, for such further period as to such Board may appear proper, subject to the production of a sick certificate from the Company's Medical Officer in England, containing a declaration similar to that above prescribed.

5. With the proviso that no sick leave pay shall exceed the rate of £1,000 per annum, an Officer absent on sick certificate will be allowed half the substantive pay of his appointment, excluding all allowances.

III.—*Privilege Leave.*

6. The Agent may grant leave of absence to an extent not exceeding one month in each year without deduction of pay. He may permit such one month's leave to be cumulative to the extent of three months, but no longer, so that at the end of twenty-two months' continuous service he may grant to the Officer, if he think proper, two months together, or at the end of thirty-three months, three months together. But an Officer who takes accumulative leave during the last three months of the third year shall not be permitted to take the first month of the next year on account of that year, or any further privilege leave, until an interval of at least eleven months shall have elapsed from the time of his resumption of duty.

IV.—*Special Leave.*

7. The Agent may grant to any Officer of the Company, who has served for a period of not less than two years, if he can be conveniently spared, special leave of absence for any period not exceeding six months, on urgent private affairs, but not so as to be joined on to any privilege leave or furlough, and no pay or allowances shall be drawn for the period of such leave.

V.—*General Conditions.*

8. All leave granted under the foregoing rules shall commence from the date of the Officer making over charge of his duties, and terminate on his again taking charge of his duties.

9. All Officers visiting England on furlough or sick leave are, immediately after arrival, to report themselves, either personally or by letter, at the head office of the Company in London, and they are not to return to India without having first obtained the permission of the Board.

10. Officers absent on furlough or sick leave may draw their furlough or sick leave pay monthly, as it becomes due, upon condition of their making a declaration at the commencement of their leave, that it is their intention to return to duty at the expiration thereof, and engaging, in the event of their not returning, to refund the money, should they be called upon to do so.

11. It must be distinctly understood that neither furlough nor privilege leave can be claimed by any Officer as a right, and that such leave will be granted only when, in the opinion of the Agent, it can be given without detriment to the service of the Company.

12. A service of not less than three months is necessary between the date of return from three months' accumulated privilege leave and the grant of furlough, or between the date of return from furlough, or leave on sick certificate, and the grant of privilege leave.

13. The duties of Officers on leave under these regulations will be performed, whenever possible, by the existing staff in India. An Officer of any grade, acting in place of another Officer of a higher grade, who may be absent on sick leave or furlough, will be entitled to draw one-half of the combined substantive pay of the two appointments, with the full allowances of whichever of the two appointments has the highest allowances; but this arrangement does not apply to Officers acting for others absent on privilege leave.

In calculating acting allowances, the personal allowance (if any) enjoyed by the Acting Officer only shall be combined with the substantive pay drawn by him, provided that the personal allowance has been granted in consideration of long and specially good service. The sum of pay, personal allowance (if any) and acting allowance drawn by an Officer, shall not exceed the minimum pay of the appointment in which he is officiating, except when his substantive pay, together with his personal allowance (if any), is higher than the minimum pay of the appointment in which he is officiating, in which case the sum of the substantive pay and personal allowance must not be exceeded.

14. Excepting in the case of Officers entitled to free passages under their agreements, all travelling expenses of Officers going on leave, or returning to their duty, must be defrayed by the Officers themselves.

15. All applications for leave must be made officially to the Agent through the head of the department to which the applicant belongs. The applicant must state in his application the dates and other particulars of leave of every description previously obtained by him.

HENRY W. NOTMAN,
Managing Director.

COMPANY'S OFFICES, 55, GRACE CHURCH STREET,
LONDON, *9th January*, 1883.

SOUTH INDIAN RAILWAY.

Rules for granting Leave to Uncovenanted Servants.

Sanctioned by the Madras Government, in Orders Nos. 821 and 867, dated the 9th and 24th December, 1861.

1. It shall be competent for Heads of Departments to grant each servant in the service of the Company one month's privilege leave on full pay during each year of service.

2. This leave may be allowed to accumulate and be taken to the extent of two months together after a continuous service of three years, subject to the approval of the Agent.

3. Privilege leave will not be allowed to run into any other leave of absence or be taken together with it.

4. The leave will not be claimable by any servant as a matter of right, but will be granted only at the pleasure of the Heads of Departments, when the concession of the indulgence in no way interferes with the interest of the Company's service.

5. No pay will be drawn for a servant absent on privilege leave, and no pay will be considered due unless the party return to duty within the time granted to him.

Sick Leave.

6. It shall also be competent for Heads of Departments to grant each servant one month's sick leave during each year of service with full pay.

7. Sick leave will not be allowed for a longer period than three consecutive months; but leave beyond one month the salary to be granted during such leave will be subject to the approval of the Agent.

8. In no case will a servant be allowed more than a moiety of his salary when his leave is extended beyond one month; but should it be found necessary to employ a substitute, and one be not procurable for the remaining moiety of the absentee's salary, the absentee will in that case receive only the difference between the amount paid to the substitute and the salary of his appointment.

WILLIAM S. BETTS,
Agent.

SOUTH INDIAN RAILWAY.

Scale of Travelling Allowances, or Batta.

The following rates of travelling allowance when absent on duty from head-quarters to be passed when duly certified to be due:—

		Rs.	A.	P.	
Chief Engineer	...	105	0	0	per mensem.
Assistant Engineers	...	75	0	0	,,
District Traffic Superintendents	...	60	0	0	,,
Prosecuting Inspector	...	25	0	0	,,
Agent	...	5	0	0	per diem.
Assistant to Agent	...	5	0	0	,,
Chief Auditor and Assistants	...	5	0	0	,,
Superintending Physician	...	5	0	0	,,
Traffic Manager	...	5	0	0	,,
Locomotive Superintendent	...	5	0	0	,,
General Storekeeper	...	5	0	0	,,
Employés drawing Rs. 300 and above	...	2	8	0	,,
Do. 200 & under 300	...	2	0	0	,,
Do. 100 ,, 200	...	1	8	0	,,
Do. 50 ,, 100	...	1	0	0	,,
Do. 25 ,, 50	...	0	8	0	,,
Do. 15 ,, 25	...	0	4	0	,,
Do. 15 and under	...	0	2	0	,,

Employés when absent from their head-quarters at night will draw full batta for each night of such absence; when travelling by rail from, and returning to, their head-quarters the same day, they will receive half batta.

2. The Chief Engineer when travelling on the line is allowed to drop the fixed allowance, and draw batta at the rate of Rs. 5 per diem.

3. Officers employed on open line and drawing fixed allowances will not receive such allowances during absence on privilege, sick leave, or furlough. An Officer acting for another on privilege leave will draw the allowance attached to the post in which he acts.

4. Travelling Auditors are excluded from the above scale and, in lieu of any of the allowances mentioned therein, they are allowed Rs. 1-4-0 for each night they are absent from their head-quarters. Such allowance to be doubled when on duty in Madras or when travelling over foreign Railways.

Officers not drawing fixed allowances and Subordinates in receipt of Rs. 200 per mensem and upwards are allowed, in addition to the above scale, Rs. 5 per diem when travelling on duty over foreign Railways and when engaged on duty in Madras.

5. Subordinates (peons excepted) receiving less than Rs. 200 per mensem to have, under similar circumstances, double the allowances mentioned in the above scale.

6. All claims for daily travelling allowances must be supported by a statement shewing the rates for which the claim is made, the stations visited, and the specific object of the journey. These statements must be signed by the Head of the Department in which the employé is engaged, and when the claim is made by the Head of a Department the statement must be countersigned by the Agent.

WILLIAM S. BETTS,
Agent.