

(1) Number of pages 30

(2) Date of repair _____

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MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 81-182	(Ry)	Press Mis
Dated 19. 1		1877.

Not to be folded or roughly handled

No. 353. Read the following letter from Lieutenant-Colonel J. H. M. SHAW-STEWART, R.E., Consulting Engineer for Railways, to Major-General G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Madras, 9th January 1877, No. 11:—

I HAVE the honor to submit, for transmission to the Government of India, the Establishment lists of the South Indian Railway for the half-year ending 30th June 1877, as agreed upon at a meeting held at Trichinopoly on the 12th December 1876.

2. The principal alterations are as follow:—

Agent's Department provides for an Assistant to the Agent and Manager at Rupees 400 per mensem. This is rendered necessary by the additional work thrown upon Mr. Betts in consequence of the extension of the South Indian Railway. Mr. Betts is also frequently called away from head-quarters, and it is essential that during his absence there should be some one left to conduct his duties.

The salary named above is the lowest that could be given compatible with the responsibility of the position.

Chief Auditor's Department provides for the entertainment of one additional Clerk; increase of salary from Rupees 70 to Rupees 120 per mensem, by annual increment of Rupees 10 to one Travelling Auditor; and the entertainment of an extra Cashier and five Peons for Madras.

Medical Department includes the entertainment of five additional Apothecaries and fourteen Peons.

Engineering Department staff decreased in consequence of portions of the line having been completed.

Traffic Department provides for the following additional staff:—

2 Clerks, Traffic Manager's Office.

1 District Traffic Superintendent.

4 Clerks and 2 Peons for District Traffic Superintendent's Office.

2 Platform Inspectors, Station-masters, Clerks, Shunters, Pointsmen, Gatemen, &c., to station staff.

11 Guards and Assistant Guards to train staff.

Additional provision has also been made for clothing and for printing, stationery and tickets.

The total increase amounts to Rupees 33,993, against a reduction of Rupees 504 for the half-year. These increases provide for the additional mileage expected to be worked during the half-year.

Locomotive and Carriage Department provides for an increase of Rupees 25 per mensem to the salary of the Assistant Locomotive Superintendent, and for the entertainment of the following additions:—

1 Clerk, Locomotive Superintendent's Office.

7 Peons and Watchmen.

2 Foremen.

8 Drivers.

23 Firemen.

1 Boilersmith.

1 Moulder.

Proceedings of the Madras Government, Public Works Department,
19th January 1877. No. 182.

In consequence of additional milcage to be worked, proportionate increase has been provided in the expenses for "Maintenance and Renewal of Engines," "Repairs and Renewals of Vehicles," and "Cleaning Carriages and Wagons." The total increase amounts to Rupees 73,653, against a reduction of Rupees 6,350.

General Stores Department provides for an increase of Rupees 50 per mensem to the salary of the General Storekeeper; the entertainment of a Clerk on Rupees 100 per mensem; and two additional Peons. The increase of Rupees 1,150 is partly covered by a reduction of Rupees 450 for the half-year.

General Charges.—The increases in home expenditure and in printing and stationery amount to Rupees 2,500. The large item of Rupees 6,150 against "hire of locomotives" is due to the hire of Madras locomotive engines over the section between Erode and Trichinopoly, the South Indian Railway stock being under repair.

3. A detailed Statement of the estimated cost of maintenance of way and works is also enclosed.

SOUTH INDIAN RAILWAY.
Schedule of Agency Department for the half-year ending 30th June 1877.

Proceedings of the Madras Government, Public Works Department,
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Designation or capacity in which employed.	ESTABLISHMENTS FOR PREVIOUS HALF-YEARS.						ESTABLISHMENT FOR HALF-YEAR ENDING 30TH JUNE 1877.		COMPARED WITH SANCTION FOR HALF-YEAR ENDING 31st Dec. 1876.		COMPARED WITH ACTUALS FOR HALF-YEAR ENDING 30TH JUNE 1876.		Pending reference on exchange question. The increased staff is rendered necessary by the extra work now thrown upon the office through the opening of further sections of the line for public traffic.	
	Sanctioned for half-year ending 31st December 1876.			Actuals for half-year ending 30th June 1876.			Total for half-year.	Maximum Salary.	Number.	Total for half-year.	Maximum Salary.	Number.		Total for half-year.
	Number.	Maximum Salary.	Total for half-year.	Number.	Maximum Salary.	Total for half-year.								
Agent ...	1	Rs. 2,174	13,044	1	Rs. 2,273	13,439	1	2,174	13,044	...	...	...	395	
Assistant ...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Clerks ...	1 at Rs. 250	250	...	1 at Rs. 176	176	...	1	176	1,056	...	...	...	...	
	1 " " 100	100	...	1 " " 45	45	...	1	400	2,400	...	...	...	...	
	2 " " 50	100	...	1 " " 40	40	...	1	176	1,056	...	...	...	...	
	2 " " 40	80	...	1 " " 35	35	...	10	90	2,844	...	...	...	...	
	2 " " 30	60	...	1 " " 25	25	...	...	...	...	...	...	...	...	
	3 " " 20	60	...	2 " " 15	30	...	...	...	...	...	...	...	...	
	1 " " 9	9	...	1 " " 9	9	...	10	10	342	...	...	60	...	
	6 " " 7	42	...	4 " " 7	28	...	...	...	...	...	...	...	...	
	1 " " 6	6	...	1 " " 6	6	...	...	...	...	...	...	154	...	
Peons ...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Travelling Expenses ...	...	...	250	...	...	96	...	...	250	...	...	...	...	
Total...	...	...	17,536	...	...	16,269	...	...	19,936	2,400	...	4,062	395	

(Signed) W. S. BETTS,
Agent.

Travelling allowances, scale sanctioned by Government, No. 5, 5th January 1858.

SANCTIONED.
(Signed) J. H. M. SHAW-STEWART, Lt.-Col., R.E.,
Consulting Engineer for Railways.

ENGINEERING DEPARTMENT.

Estimate of Engineering Establishment for half June 1877, compared with previous half-years.

*Proceedings of the Madras Government, Public Works Department,
19th January 1877. No. 132.*

[illegible]

*Proceedings of the Madras Government, Public Works Department,
19th January 1877. No. 182.*

Engineering Assistant ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...</
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Proceedings of the Madras Government, Public Works Department,
19th January 1877. No. 182.

Estimate of Engineering Establishment for half-year ending 30th June 1877, compared with previous half-year—(Continued).

Designation or capacity in which employed.	ESTABLISHMENT FOR PREVIOUS HALF-YEARS.				ESTABLISHMENT FOR HALF-YEAR ENDING 30th JUNE 1877.		COMPARED WITH SANCTION FOR HALF-YEAR ENDING 31st DECEMBER 1876.		COMPARED WITH ACTUAL FOR HALF-YEAR ENDING 30th JUNE 1876.	
	Sanctioned for half-year ending 31st December 1876.		Actuals for half-year ending 30th June 1876.		Number.	Total for half-year.	Maxi- mum Salary.	Increase.	Decrease.	Increase.
	Number.	Total for half-year.	Number.	Total for half-year.						

(Signed) R. CUNNINGHAM,
for Acting Chief Engineer.

Staff decreased in consequence of portions of the line having been completed.

TRICHINOPOLY,
16th December 1876.

(Signed) W. S. BETTS,
Agent.

SANCTIONED.
(Signed) J. H. M. SHAW-STEWART, Lt.-Col., R.E.,
Consulting Engineer for Railways.

Proceedings of the Madras Government, Public Works Department,
19th January 1877. No. 182.

ENGINEERING DEPARTMENT.

Abstract of Estimates for Maintenance, half-year ending 30th June 1877.

Head of Charges.	SOUTH INDIAN RAILWAY.		NEGAPATAM-ERODE SECTION.		ARCONUM-CONJEVERAM SECTION.	
	WHOLE LENGTH.		166½ Miles Single.		18½ Miles Single.	
	185 Miles Single.		166½ Miles Single.		18½ Miles Single.	
	Amount.	Per Mile.	Amount.	Per Mile.	Amount.	Per Mile.
Head No. II. { Ordinary ...	33,472	181	30,914	186	2,558	136
Extraordinary ...	...	...	...	...	...	...
" " III. { Ordinary ...	2,453	13	2,203	13	250	13
Extraordinary ...	...	...	...	...	...	...
" " IV. { Ordinary ...	3,935	21	3,875	23	60	3
Extraordinary ...	...	...	...	...	...	...
" " V. { Ordinary ...	...	...	...	...	...	...
Extraordinary ...	...	...	...	...	...	...
" " VI. { Ordinary ...	800	4	750	5	50	3
Extraordinary ...	...	...	...	...	...	...
Total ...	40,660	219	37,742	227	2,918	155

TRICHINOPOLY,
22nd November 1876.

(Signed) F. F. SMITH,
for Acting Chief Engineer.

ENGINEERING DEPARTMENT.

Estimate for Maintenance of Way and Works for half-year ending 30th June 1877.
Negapatam to Erode.

Miles maintained.			Departmentally.			By Contract.			Total.		
			MS. CHS. LKS.			MS. CHS. LKS.			MS. CHS. LKS.		
Main Line ... { Double ...	...	...	166	23	91	...	...	...	166	23	91
Single ...	...	...	13	24	95½	...	...	...	13	24	95½
Sidings ...	...	...	...	...	...	...	...	...	...	...	...
Total ...	...	...	...	...	...	...	...	...	179	48	86½

Head.	Description of Work.	Ordinary.	Extra-ordinary.	
	MAINTENANCE, PERMANENT WAY.	RS. A. P.	RS.	
	(1.) Wages—			
	1 Gang 109 x 6 ...	654 0 0	...	1 Ganger at Rs. 10 ... 10 0 0
	2 " 54 x 6 ...	648 0 0	...	9 Coolies at " 7 each ... 63 0 0
	1 " 42 x 6 ...	252 0	...	6 Do. at " 6 " ... 36 0 0
	2 " 35½ x 6 ...	...	...	1 Ganger at " 10 " ... 10 0 0
	8 " 30 " ...	...	...	8 Coolies at " 5½ " ... 44 0 0
	1 " 29½ x 6 ...	177 0 0	...	1 Ganger at " 7½ " ... 7 8 0
				1 Do. at " 7 " ... 7 0 0
				5 Coolies at " 5½ " ... 27 8 0
				1 Ganger at " 8 " ... 8 0 0
				5 Coolies at " 5½ " ... 27 8 0
				1 Ganger at " 8 " ... 8 0 0
				4 Coolies at " 5½ " ... 22 0 0
				1 Ganger at " 7 " ... 7 0 0
				1 Do. at " 6 " ... 6 0 0
				3 Coolies at " 5½ " ... 16 8 0

Proceedings of the Madras Government, Public Works Department,
19th January 1877. No. 182.

Estimate for Maintenance of Way and Works, &c.—(Continued).

Head.	Description of Work.	Ordinary.	Extra-ordinary.	
	MAINTENANCE, PERMANENT WAY—(Contd.)	RS. A. P.	RS.	
	(1.) Wages—(Contd.)			RS. A. P.
	2 Gangs 29 x 0 ...	318 0 0	...	{ 1 Ganger at Rs. 7 ... 7 0 0
	2 „ 23 x 6 ...	336 0 0	...	{ 4 Coolies at „ 5½ each ... 22 0 0
	1 „ 28 x 6 ...	168 0 0	...	{ 1 Ganger at „ 6 ... 6 0 0
	32 „ 21½ x 6 ...	3,391 0 0	...	{ 4 Coolies at „ 5½ „ ... 22 0 0
	26 „ 23½ x 6 ...	3,666 0 0	...	{ 1 Ganger at „ 6½ „ ... 6 8 0
	13 „ 23 x 6 ...	1,794 0 0	...	{ 3 Coolies at „ 5½ „ ... 16 8 0
	6 „ 22½ x 6 ...	810 0 0	...	{ 1 Ganger at „ 6½ „ ... 6 8 0
	90 Line Watchmen at Rs. 5 x 6 ...	2,700 0 0	...	{ 3 Coolies at „ 5½ „ ... 16 8 0
	Establishment ...	2,748 0 0	...	{ 1 Ganger at „ 16½ „ ... 16 0 0
				{ 3 Coolies at „ 5½ „ ... 16 8 0
				Establishment—
				4 Carpenters at Rs. 15 each ... RS. A. P. 60 0 0
				4 Smiths at Rs. 15 each ... 60 0 0
				4 Bellows boys at Rs. 5 each ... 20 0 0
				4 Sub-Inspectors at Rs. 35 each ... 140 0 0
				4 Inspector's Writers at Rs. 20 each ... 80 0 0
				6 Inspector's Lascars at Rs. 7 each ... 42 0 0
				2 Inspector's Lascars at Rs. 6 each ... 12 0 0
				3 Engineer's Lascars at Rs. 8 each ... 24 0 0
				2 Engineer's Lascars at Rs. 7 each ... 14 0 0
				1 Engineer's Lascar at Rs. 6 ... 6 0 0
				458 0 0
				For six months ... 2,748 0 0
II.	(2.) Material—			
	Ballast, cubic yards 8,000, at Rs. 0-4-0 per cubic yard ...	2,000 0 0	...	
	Stores ...	600 0 0	...	
	Bolts and nuts ...	33 13 8	...	
	Chairs ...	65 1 8	...	
	Cotters and gibbs ...	1 13 2	...	
	Sleepers, wooden ...	7,500 0 0	...	
	Do., pot iron ...	23 3 8	...	
	Chair packings ...	7 0 6	...	
	Tie-bars ...	27 10 4	...	
	Keys ...	572 1 8	...	
	Rails ...	247 1 4	...	
	Spikes ...	23 7 0	...	
	Crossings ...	263 4 0	...	
	Total, Head II ...	30,913 6 0	...	

Proceedings of the Madras Government, Public Works Department,
19th January 1877. No. 182.

Estimate for Maintenance of Way and Works, &c.—(Continued).

Head.	Description of Work.	Ordinary.	Extra-ordinary.	
	REPAIRS, WAGES AND MATERIALS.	RS. A. P.	RS.	
III.	I. { Bridges ...	500 0 0	...	
	{ Tunnels ...	...	...	
	{ Earthwork in side walks, &c. ...	1,303 2 0	...	
	II. { Fences ...	100 0 0	...	
	{ Culverts ...	50 0 0	...	
	{ Miscellaneous ...	250 0 0	...	
	Total, Head III ...	2,203 2 0	...	
	REPAIRS, WAGES AND MATERIALS.			
IV.	(1.) Station buildings, yards, signals, gate-lodges, &c. ...	3,500 0 0	...	
	(2.) Staff quarters ...	375 0 0	...	
	Total, Head IV ...	3,875 0 0	...	
V.	MAINTENANCE BY CONTRACT ...	...	...	
	Total, Head V ...	...	...	
	UNCLASSIFIED EXPENDITURE.			
	(1.) Plantation ...	...	...	
	(2.) Tools and Plant. ...	500 0 0	...	
	(3.) Loss on Tools ...	...	...	
	(4.) Miscellaneous ...	250 0 0	...	
	Total, Head VI ...	750 0 0	...	
	Grand Total ...	37,741 8 0	...	

Platelayers, Carpenters, Smith's Tools.

TRICHINOPOLY,
22nd November 1876.

(Signed) F. F. SMITH,
for Acting Chief Engineer.

Proceedings of the Madras Government, Public Works Department,
19th January 1877. No. 182.

ENGINEERING DEPARTMENT.
ARCONUM AND CONJEVERAM SECTION.

Estimate for Maintenance of Way and Works for half-year ending 30th June 1877.

Miles maintained.	Departmentally.	By Contract.	Total.
Main Line. { Double... .. Single	18 1/2 1 1/2	...	19
Sidings	...	...	...
Total ...	...	...	20 1/2

Head.	Description of Work.	Ordinary.	Extraordinary.	Remarks
<i>Maintenance, Permanent-way.</i>				
(I). Wages—		RS. A. P.	RS.	
4 Gangs* ... 48 x 6 ...	1,032 0 0	...	...	
5 Watchmen ... 25 x 6 ...	150 0 0	...	...	
Establishment† 30 x 6 ...	180 0 0	...	...	
(II). Materials—				
Sleepers	1,156 12 4	...	...	
Rails	...	...	...	
Dog spikes	29 9 4	...	...	
Bolts and nuts of sorts	10 0 0	...	...	
Total, Head II ...	2,558 5 8	...	...	
<i>Repairs, Wages and Materials.</i>				
(II). Bridges... ..	50 0 0	...	...	
Tunnels	50 0 0	...	...	
Miscellaneous	150 0 0	...	...	
Total, Head III ...	250 0 0	...	...	
<i>Repairs, Wages and Materials.</i>				
1 Station and buildings of every description...	60 0 0	...	...	
2 Staff quarters	...	...	...	
Total, Head IV ...	60 0 0	...	...	
Maintenance by Contract	...	...	...	
Total, Head V ...	...	...	...	
<i>Unclassified Expenditure.</i>				
Tools and Plant	50 0 0	...	...	
Total, Head VI ...	50 0 0	...	...	
Grand Total ...	2,918 5 8	...	...	

* One gang consisting of—
1 Maistry at 10 paise 10
6 Coolies at " 54
Total .. 43

† Establishment—
1 sub-inspector .. 20

TRICHINOPOLY,
20th November 1876.

(Signed) F. F. SMITH,
for Acting Chief Engineer.

Proceedings of the Madras Government, Public Works Department,
19th January 1877. No. 182.

ENGINEERING DEPARTMENT.
Distribution Return of Engineering Establishment for the half-year ending 30th June 1877.

Sections and Districts.	RESIDENT ENGINEERS AND ASSISTANT ENGINEERS.		SUB-ASSISTANT ENGINEERS.		ENGINEERING ASSISTANTS.		INSPECTORS.		FOREMEN.		STOREKEEPERS.		CLERKS.	
	No.	Rate of Salary.	No.	Rate of Salary.	No.	Rate of Salary.	No.	Rate of Salary.	No.	Rate of Salary.	No.	Rate of Salary.	No.	Rate of Salary.
Arconum-Conjeveram Section	1	818	1	818	1	150	1	150	1	150	1	150	1	150
Negapatam—Erode	1	591	1	591	1	150	1	150	1	150	1	150	1	150
Trichinopoly to Madura	1	591	1	591	1	150	1	150	1	150	1	150	1	150
Do.	1	864	1	864	1	150	1	150	1	150	1	150	1	150
Madura—Tuticorin and Tinnevely	1	864	1	864	1	150	1	150	1	150	1	150	1	150
Do.	1	864	1	864	1	150	1	150	1	150	1	150	1	150
Madura—Chingleput	1	864	1	864	1	150	1	150	1	150	1	150	1	150
Chingleput—Tinnevely	1	864	1	864	1	150	1	150	1	150	1	150	1	150
Do.	1	591	1	591	1	150	1	150	1	150	1	150	1	150
Tinnevely—Vickravandy	1	455	1	455	1	150	1	150	1	150	1	150	1	150
Do.	1	691	1	691	1	150	1	150	1	150	1	150	1	150
Vickravandy—Panruti	1	591	1	591	1	150	1	150	1	150	1	150	1	150
Do.	1	591	1	591	1	150	1	150	1	150	1	150	1	150
Panruti—Cuddalore	1	455	1	455	1	150	1	150	1	150	1	150	1	150
Do.	1	455	1	455	1	150	1	150	1	150	1	150	1	150
District No. 11, Northern Extension	1	659	1	659	1	150	1	150	1	150	1	150	1	150
Do. 12.	1	818	1	818	1	150	1	150	1	150	1	150	1	150
Do. 13.	1	455	1	455	1	150	1	150	1	150	1	150	1	150
Do. 14.	1	455	1	455	1	150	1	150	1	150	1	150	1	150
Do. 15 & 16.	1	659	1	659	1	150	1	150	1	150	1	150	1	150
Do. 17.	1	659	1	659	1	150	1	150	1	150	1	150	1	150

Distribution Return of Engineering Establishment for the half-year ending 30th June 1877—(Continued).

*Proceedings of the Madras Government, Public Works Department,
19th January 1877. No. 182.*

Sections and Districts.	DRAUGHTSMAN.		CASHIERS.		MOOCHES.		PRONG AND LASCARS.		SUPERINTENDENT, ARCONUM—CONJER-VEHAM.		APOTHECARIES.		Total.
	No.	Rate of Salary.	No.	Rate of Salary.	No.	Rate of Salary.	No.	Rate of Salary.	No.	Rate of Salary.	No.	Rate of Salary.	
Arconum—Conjersam Section.	1	35	35	50	1	10	2	6	1	150	..	..	Rs. 387
Negapatam—Erode ..	..	..	..	..	..	..	..	..	..	..	..	..	1,653
Trichinopoly to Madras..	..	..	..	..	..	..	..	..	..	..	..	..	1,757
Do. ..	..	..	..	..	..	..	..	..	..	..	..	..	2,040
Madras—Tuticoria and Tinnevely	..	..	..	..	..	..	..	..	..	..	..	..	1,550
Do. ..	..	..	..	..	..	..	..	..	..	..	..	..	2,377
Madras—Chingleput ..	..	..	..	..	..	..	..	..	..	..	..	..	1,641
Chingleput—Tinnevanam	..	..	..	..	..	..	..	..	..	..	..	..	1,553
Do. ..	..	..	..	..	..	..	..	..	..	..	..	..	2,071
Tinnevanam—Vikravandy	..	..	..	..	..	..	..	..	..	..	..	..	973
Do. ..	..	..	..	..	..	..	..	..	..	..	..	..	1,152
Vikravandy—Panruti ..	..	..	..	..	..	..	..	..	..	..	..	..	1,421
Do. ..	..	..	..	..	..	..	..	..	..	..	..	..	1,093
Panruti—Tidalore ..	..	..	..	..	..	..	..	..	..	..	..	..	1,403
Do. 15 & 16. "	..	..	..	..	..	..	..	..	..	..	..	..	899
Do. 17. "	..	..	..	..	..	..	..	..	..	..	..	..	150
Engineering Workshop, Madras	..	..	..	..	..	..	..	..	..	..	..	..	609
Do. do. Trichinopoly	..	..	..	..	..	..	..	..	..	..	..	..	1,230
Do. do. " "	..	..	..	..	..	..	..	..	..	..	..	..	224
Total ..	1	35	35	705	1	10	120	..	1	150	4	200	24,408
Total for half-years ..	1	..	210	3,980	1	..	60	120	..	900	4	900	1,37,492

(Signed) R. CUNNINGHAM,
for Acting Chief Engineer.

Trichinopoly,
10th December 1876.

*Proceedings of the Madras Government, Public Works Department,
19th January 1877. No. 182.*

Estimate of Establishment for Half-year ending 30th June 1877, compared with previous half-years.

Designation or capacity in which employed.	ESTABLISHMENT FOR PREVIOUS HALF-YEARS.				ESTABLISHMENT FOR HALF-YEAR ENDING 30th JUNE 1877.				COMPARED WITH ACTUALS FOR HALF-YEAR ENDING 30th JUNE 1876.			
	Actuals for half-year ending 30th June 1876.		Total for half-year.		Actuals for half-year ending 30th June 1877.		Total for half-year.		For half-year ending 30th June 1876.		For half-year ending 30th June 1877.	
	No.	Maximum Salary.	No.	Maximum Salary.	No.	Maximum Salary.	No.	Maximum Salary.	Increase.	Decrease.	Increase.	Decrease.
Negapatam-Erode Section.	15	5	450	5	15	5	450	5	..	..	..	..
Gatemen at Rupees 5 each ..	..	..	..	..	..	..	..	..	..	..	..	..
" at " 4 " ..	20	4	480	4	45	4	1,080	4	..	..	..	..
" at " 3 " ..	65	3	1,170	3	40	3	720	3	..	..	..	..
Trichinopoly-Tuticoria and Tinnevely Section.	..	..	..	..	..	..	..	..	..	..	..	..
Gatemen at Rupees 5 each ..	..	..	..	..	230	5	7,200	5	..	..	..	..
Madras-Tinnevanam Section.	..	..	..	..	..	..	..	..	..	..	..	..
Gatemen at Rupees 5 each ..	..	..	..	..	76	5	2,280	5	..	..	..	..
Tinnevanam-Cuddalore Section.	..	..	..	..	..	..	..	..	..	..	..	..
Gatemen at Rupees 5 each ..	..	..	..	..	52	5	1,560	5	..	..	..	..
Tanjore-Mayasaram Section.	..	..	..	..	..	..	..	..	..	..	..	..
Gatemen at Rupees 5 each ..	..	..	..	..	45	5	1,350	5	..	..	..	..
Gatemen at Rupees 5 each ...	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	100	..	2,100	303	515	..	14,700	12,600	..	..	6,234	..

(Signed) F. F. SMITH,
for Acting Chief Engineer.

Trichinopoly,
8th December 1876.

Estimate of Traffic Establishment for Half-year ending 30th June 1877, compared with the previous Half-year.

*Proceedings of the Madras Government, Public Works Department,
19th January 1877. No. 182.*

Designation or capacity in which employed.	ESTABLISHMENT FOR PREVIOUS HALF-YEARS.						ESTABLISHMENT FOR HALF-YEAR ENDING 30TH JUNE 1877.			COMPARED WITH ACTUALS FOR HALF-YEAR ENDING 30TH JUNE 1876.	
	SANCTIONED FOR HALF-YEAR ENDING 31ST DECEMBER 1876.			ACTUALS FOR HALF-YEAR ENDING 30TH JUNE 1876.			Total for half-year.			COMPARED WITH SANCTION FOR HALF-YEAR ENDING 31ST DECEMBER 1876.	
	Number.	Maximum Salary.	Total for half-year.	Number of Station.	Maximum Salary.	Total for half-year.	Number.	Maximum Salary.	Total for half-year.	Increase.	Decrease.
1ST.—SALARIES AND WAGES.											
(A.)—General Superintendence.											
1st. Traffic Manager ...	1	819	4,914	...	...	...	1	819	4,914	...	...
Office Establishment ... { Clerks ... Peons ... }	16	80	2,660	...	...	...	18	80	3,060	...	...
District Traffic Superintendent ...	4	7	168	...	...	...	4	7	168	...	...
Office Establishment ... { Clerks ... Peons ... }	4	300	2,160	...	...	...	1	350	2,100	...	60
District Traffic Superintendent ...	2	35	600	...	...	...	4	35	600	...	...
Office Establishment ... { Clerks ... Peons ... }	2	7	84	...	...	...	2	7	84	...	...
District Traffic Superintendent ...	1	300	1,800	...	...	...	2	300	3,600	...	8,507
Office Establishment ... { Clerks ... Peons ... }	4	35	500	...	...	...	8	35	1,200	...	...
District Traffic Superintendent ...	2	7	70	...	...	...	4	7	168	...	...
Office Establishment ... { Clerks ... Peons ... }	1	75	570	...	...	...	1	75	450	...	120
District Traffic Superintendent ...	1	124	75	...	...	...	1	124	75	...	...
Office Establishment ... { Clerks ... Peons ... }	...	...	...	...	...	...	...	...	...	...	...
Traffic Canvassers (Inspectors) ...	2	100	900	...	...	...	2	100	900	...	...
Platform Inspectors ...	...	...	...	...	...	...	2	25	300	...	...
3rd. Travelling Allowances ...	...	...	750	...	...	831	...	...	1,950	...	1,119
4th. Contingencies ...	...	...	50	...	...	20	...	...	50	...	30
(B.)—Station Staff.											
1st. Station-masters ...	58	184	21,182	...	...	...	75	150	14,682	...	...
2nd. Clerks ...	...	...	...	...	...	...	160	80	16,236	...	...
3rd. Shuntors ...	...	...	...	...	...	...	18	20	1,912	...	...
4th. Pointsmen ...	...	...	...	...	...	...	289	9	12,420	...	21,638
5th. Menials ...	...	...	...	...	...	...	505	9	17,940	...	...
Gate-men ...	100	5	2,100	...	...	8,466	515	5	14,700	...	6,234

(C.)—Train Staff.

1st. Guards and Assistant Guards ...	...	...	...	...	...	...	...	...	...	...	...
2nd. Overtime Allowances ... AND	...	...	...	...	...	...	...	...	...	...	...
2ND.—FUEL, LIGHTING, WATER, AND GENERAL STORES.	...	...	...	...	...	...	...	...	...	...	...
1st. Fuel, Light, Water and General Stores.	...	...	6,000	...	...	2,881	...	...	6,000	...	...
2nd. Wagon Covers and Ropes ...	...	...	250	...	...	168	...	...	300	...	...
3rd. Office and Station Fittings ...	...	...	1,000	...	...	551	...	...	1,000	...	...
3RD.—CLOTHING ...	...	...	2,839	...	...	1,394	...	...	3,755	...	...
4TH.—PAINTING, STATIONERY AND TICKETS ...	...	...	7,000	...	...	5,218	...	...	9,300	...	...
5TH.—CHARGES FOR DELIVERY AND COLLECTION OF GOODS.	...	...	...	...	...	...	...	...	...	...	...
6TH.—MISCELLANEOUS EXPENSES ...	...	...	1,000	...	...	684	...	...	1,000	...	...
7TH.—PAYMENTS TO OTHER LINES.	...	...	2,200	...	...	3,043	...	...	2,200	...	843
1st. Traffic Expenses at Joint Stations	...	...	...	...	...	...	...	...	...	...	...
8TH.—UNCLASSIFIED EXPENDITURE.	...	...	...	...	...	...	...	...	...	...	...
Loss on Stores, &c. ...	...	35	2,124	...	...	...	...	...	1,800	...	...
Training Staff ...	54	...	...	...	...	...	...	...	...	...	...
Total ...	...	...	100,855	...	...	79,562	...	...	134,344	...	843

Batta.—Charges as per compendium of the orders dated 1861, page 71. Madras Government Order No. 5, of 5th January 1858.
Cause of increase.—Additional mileage to be worked.

TRICHINOPOLY,
14th December 1876.

(Signed) W. S. BETTS,
Agent.

(Signed) A. STANTON,
Traffic Manager.

SANCTIONED.
(Signed) J. H. M. SHAW-STEWART, Lt.-Col., R.E.,
Consulting Engineer for Railways.

*Proceedings of the Madras Government, Public Works Department,
19th January 1877. No. 182.*

Proceedings of the Madras Government, Public Works Department,
19th January 1877. No. 182.

Distribution Statement of Station Staff.

Stations.	STATION-MASTERS.		CLERKS.		SHUNTERS.		POINTS MEN.		MENIALS.		SIGNAL-LEERS.		PEONS.	
	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.
Negapatam ..	1	480	12	1,656	1	120	9	402	24	810	4	390	1	42
Sickie ..	1	120	..	..	..	..	2	84	2	72	1	60	..	..
Kevalore ..	1	120	..	..	..	..	3	126	2	72	1	60	..	..
Trivalore ..	1	180	1	90	..	..	4	174	4	138	1	120	..	..
Kulikery ..	1	120	..	..	..	..	3	126	3	96	1	90	..	..
Koradachery ..	1	150	..	..	..	..	4	168	3	90	1	90	..	..
Needamungalum ..	1	300	4	240	..	..	4	174	5	174	1	90	..	..
Ammappettah ..	1	120	..	..	..	..	2	84	4	138	1	90	..	..
Salamungalum ..	1	150	..	..	..	..	3	126	4	144	1	90	..	..
Tanjore ..	1	480	12	900	1	120	8	336	18	624	5	660	2	84
Boodalore ..	1	120	..	..	..	..	2	84	3	108	1	60	..	..
Teroovembore ..	1	120	..	..	..	..	2	84	3	108	1	60	..	..
Trichinopoly Junction ..	1	360	5	450	3	322	10	420	20	684	7	840	2	84
Kolattur ..	1	120	..	..	..	..	8	126	3	108	1	90	..	..
Manarparai ..	1	150	..	..	..	..	4	168	4	138	1	90	..	..
Vaiyamputti ..	1	120	..	..	..	..	3	126	3	108	1	90	..	..
Aivalur ..	1	120	..	..	..	..	2	84	3	102	1	90	..	..
Vadamadura ..	1	120	..	..	..	..	3	126	3	108	1	90	..	..
Dindigul ..	1	240	6	420	..	..	6	264	8	276	3	420	..	..
Amayanaikanur ..	1	180	1	60	..	..	3	126	6	216	1	120	..	..
Sholavandan ..	1	120	..	..	..	..	5	210	5	180	1	90	..	..
Sawminellore ..	1	120	..	..	..	..	3	126	3	108	1	90	..	..
Madura ..	1	360	10	930	1	120	10	420	23	720	6	640	1	42
Tirooparangoondram ..	1	120	..	..	..	..	2	84	3	108	1	90	..	..
Tiroomungalum ..	1	150	..	..	..	..	3	126	6	180	1	90	..	..
Kullugoody ..	1	120	..	..	..	..	3	126	3	108	1	90	..	..
Viruduputti ..	1	180	3	270	..	..	6	264	8	276	1	90	..	..
Thoolookaputti ..	1	120	..	..	..	..	3	126	3	108	1	90	..	..
Sattur ..	1	120	1	60	..	..	3	126	4	144	1	90	..	..
Kovilputti ..	1	150	..	..	..	..	3	126	4	144	1	90	..	..
Kadambur ..	1	120	..	..	..	..	4	168	3	108	1	90	..	..
Maniachy ..	1	210	6	420	1	120	6	252	8	276	1	90	..	..
Thattaparai ..	1	120	..	..	..	..	3	126	3	108	1	90	..	..
Tuticorin ..	1	480	10	930	1	120	8	384	22	858	4	480	1	42
Gengoodan ..	1	120	..	..	..	..	2	84	3	108	1	90	..	..
Tinnevely ..	1	360	8	810	1	120	9	378	12	420	3	420	1	42
Trichinopoly Fort ..	1	600	14	1,620	2	180	4	168	35	1,242	1	90	..	..
Do. Transhipping ..	1	150	..	..	..	..	2	84	4	132	1	90	..	..
Elamanore ..	1	150	1	60	..	..	2	84	4	144	1	90	..	..
Kulitlay ..	1	150	..	..	..	..	3	126	3	108	1	90	..	..
Lallapettah ..	1	120	..	..	..	..	2	84	4	138	3	420	..	..
Cuttalay ..	1	120	..	..	..	..	3	126	3	108	1	90	..	..
Caroor ..	1	300	6	540	..	..	7	300	7	240	1	90	..	..
Pookalore ..	1	120	..	..	..	..	3	126	3	108	1	90	..	..
Codumooddy ..	1	120	..	..	..	..	3	126	4	144	1	90	..	..
Passoor ..	1	120	..	..	..	..	3	126	2	72	1	90	..	..
Madras ..	1	900	15	2,460	2	180	10	540	49	1,884	6	720	2	84
Syndapet ..	1	180	2	180	..	..	4	168	4	144	1	120	..	..
St. Thomas' Mount ..	1	240	3	270	..	..	4	168	4	144	1	120	..	..
Palaveram ..	1	240	3	270	..	..	4	168	6	216	1	90	..	..
Vandalur ..	1	120	..	..	..	..	3	126	1	36	1	60	..	..
Goodoovanchery ..	1	120	..	..	..	..	3	126	4	132	1	90	..	..
Singaperoomal Covel ..	1	120	..	..	..	..	2	84	2	72	3	420	..	..
Chingleput ..	1	300	4	360	1	120	5	210	8	282	1	90	..	..
Kolattur ..	1	120	..	..	..	..	1	36	1	36	1	120	..	..
Madrantikum ..	1	120	1	90	..	..	3	126	3	108	1	120	..	..
Atcheravak ..	1	120	..	..	..	..	3	126	3	108	1	120	..	..
Alakkur ..	1	120	..	..	..	..	3	126	3	108	1	120	..	..
Tundivanam ..	1	210	3	300	1	90	6	252	6	210	1	90	..	..
Maylam ..	1	120	..	..	..	..	1	36	1	36	1	120	..	..
Vickravandy ..	1	150	..	..	..	..	3	126	3	108	1	120	..	..
Villapooram ..	1	150	..	..	..	..	3	126	3	108	1	120	..	..
Punrutti ..	1	150	..	..	..	..	4	168	6	216	1	60	..	..
Nellicooppum ..	1	150	3	270	..	..	4	168	6	216	1	60	..	..
Tirupapulayur ..	1	120	..	..	..	..	3	126	3	108	1	90	..	..
Cuddalore ..	1	480	6	630	1	90	6	252	10	360	1	90	..	..
Aiyampettah ..	1	150	..	..	..	..	3	126	3	108	1	90	..	..
Papavinasaham ..	1	150	..	..	..	..	3	126	3	108	1	90	..	..
Sundraperoomal Covel ..	1	150	..	..	..	..	3	126	3	108	1	90	..	..
Combaconum ..	1	150	..	..	..	..	3	126	3	108	1	90	..	..
Thuroovadamardhur ..	1	150	..	..	..	..	3	126	3	108	1	90	..	..
Narasingampettah ..	1	150	..	..	..	..	3	126	3	108	1	90	..	..
Kuttalam ..	1	150	..	..	..	..	3	126	3	108	1	90	..	..
Mayaveram ..	1	240	4	420	1	90	6	252	8	288	3	300	..	..
Arconum ..	1	72	..	..	..	..	2	84	2	72	..	..	..	..
Conjeveram ..	1	120	1	90	..	..	2	84	2	72	..	..	..	..
Total ..	75	14,882	160	16,236	18	1,912	289	12,420	505	17,940	118	12,760	44	588

TRICHINOPOLY,
14th December 1876.

A. STANTON,
Traffic Manager.

Proceedings of the Madras Government, Public Works Department,
19th January 1877. No. 182.

LOCOMOTIVE AND CARRIAGE SUPERINTENDENT'S DEPARTMENT.

OVERTIME RULES.

Drivers and Firemen.

- The day's work for the above will constitute 10 hours on the engine.
- No overtime will be passed within working hours.
- Detention beyond working hours by accident or break down will not entitle men to over-time unless extra mileage is performed.
- Overtime will be granted as under :—

Sundays wages for 10 hours ..	..	..	..	1 1/2 days.
Washing out engines on Sundays ..	..	..	..	1/2 "
Do. do. week days beyond 10 hours ..	..	..	..	1/2 "
Overtime for day work on week days 2 hours ..	..	..	..	1/2 "
Do. night ..	1 1/2 "	..	..	1/2 "
Do. day .. Sundays ..	1 1/2 "	..	..	1/2 "
Do. night ..	1 "	..	..	1 1/2 "
Night work on week days for 10 hours ..	..	..	..	1 1/2 "
Do. Sundays for 8 hours ..	..	..	..	..

- Firemen in charge of train engines will be allowed half day driving allowance, subject to the Locomotive Superintendent's discretion in each case as to the amount to be claimed.

N. B.—It must be understood that under ordinary circumstances night work commences when day work ends (10 hours), unless the claim be for a fraction of time only, in which case the time over 10 hours will be dealt with as overtime. In dealing with fraction of overtime under half a quarter, no allowance; over half, full quarter.

European and East Indian Workmen.

- The day's work will be 9 hours.
- Overtime will be given as under :—

Sunday's wages for 9 hours ..	..	..	..	1 1/2 days.
Overtime on week days for day work 2 hours ..	..	..	..	1/2 "
Do. " night ..	1 1/2 "	..	..	1/2 "
Do. Sundays day ..	1 1/2 "	..	..	1/2 "
Do. " night ..	1 "	..	..	1 1/2 "
Night work on week days for 9 hours ..	..	..	..	1 1/2 "
Do. Sundays 8 "	..	..	..	..

Native Workmen and others.

- The day's work will be 10 hours.
- Overtime will be given as under :—

Sunday's wages for 10 hours ..	..	..	..	1 1/2 days.
Other overtime, same as for Europeans.	..	..	..	..
- No overtime will be granted for a less period than 2 hours except on Sundays.
- Apprentices will not be entitled to any overtime.
- Batta will be granted to Drivers, Firemen, and Fitters when away from their head-quarter stations more than 48 hours and less than 3 days. No batta will be granted beyond 3 days away from their head-quarter stations.
- The date and hours men worked must be distinctly entered in overtime sheets.
- Foremen signing overtime sheets will be held responsible for correct entries according to these rules.

Proceedings of the Madras Government, Public Works Department,
19th January 1877. No. 132.

LOCOMOTIVE DEPARTMENT.
Estimate of Establishment for the Half-year ending 30th June 1877.

Designation or capacity in which employed.	ESTABLISHMENT FOR PREVIOUS HALF-YEAR.				ESTABLISHMENT FOR HALF-YEAR ENDING 30th JUNE 1877.				COMPARED WITH BALANCE FOR HALF-YEAR ENDING 31st DECEMBER 1876.		COMPARED WITH ACTUALS FOR HALF-YEAR ENDING 30th JUNE 1876.	
	SANCTIONED FOR HALF-YEAR ENDING 31st DECEMBER 1876.		ACTUALS FOR HALF-YEAR ENDING 30th JUNE 1876.		No.	Rate of Salary.	Total for half-year.	No.	Rate of Salary.	Total for half-year.	Increase.	Decrease.
	No.	Rs.	No.	Rs.								
<i>General Superintendence.</i>												
Locomotive Superintendent	1	818	1	818	1	818	4,909	1	818	4,909	...	...
Assistant Locomotive Superintendent	1	450	1	450	1	450	2,700	1	475	2,850	150	...
Chief Clerk	1	200	1	185	1	185	1,110	1	200	1,200	90	...
Clerks	37	65	24	60	24	60	2,937	33	75	5,250	1,242	...
Draughtsman	1	50	1	45	1	45	270	1	50	300	30	...
Timber-measurer	1	55	1	55	1	55	330	1	55	330	...	...
Time-keeper	1	35	1	35	1	35	210	1	40	240	30	...
Time-taker	1	30	1	30	1	30	180	1	30	180	...	...
Fuel Storekeeper	1	20	1	20	1	20	120	1	25	150	30	...
Peons and Watchmen	26	10	23	10	23	10	803	33	10	1,200	228	...
Foremen	6	331	6	331	6	331	7,571	8	350	14,400	4,014	...
Native Foremen	8	75	5	75	5	75	1,073	8	75	1,788	715	...
Stationary and Office Stores	...	...	...	...	...	...	800	...	...	1,000	200	...
<i>Running Expenses.</i>												
Drivers	32	165	21	150	21	150	15,357	40	165	31,680	6,570	...
Firemen	24	109	16	109	16	109	5,251	30	80	10,944	2,694	...
Native Firemen	43	30	46	25	46	25	2,944	60	80	6,000	1,056	...
Coalmen and Cleaners	...	...	...	...	...	...	2,000	...	...	5,200	1,400	...
Watermen	...	...	...	...	...	...	2,050	...	...	3,100	600	...
Native Subordinates	...	...	...	...	...	...	800	...	...	1,200	400	...
Coal	...	...	...	...	...	...	81,000	...	...	1,40,000	40,000	...
Coke	...	...	...	...	...	...	1,000	...	...	1,000	...	...
Wood	...	...	...	...	...	...	5,000	...	...	6,000	1,000	...
Oil, Tallow and other Stores	...	...	...	...	...	...	4,700	...	...	8,000	3,300	...
Unclassified Expenditure	...	...	...	...	...	...	...	...	...	20	...	...

Proceedings of the Madras Government, Public Works Department,
19th January 1877. No. 132.

Designation or capacity in which employed.	ESTABLISHMENT FOR PREVIOUS HALF-YEAR.				ESTABLISHMENT FOR HALF-YEAR ENDING 30th JUNE 1877.				COMPARED WITH BALANCE FOR HALF-YEAR ENDING 31st DECEMBER 1876.		COMPARED WITH ACTUALS FOR HALF-YEAR ENDING 30th JUNE 1876.	
	SANCTIONED FOR HALF-YEAR ENDING 31st DECEMBER 1876.		ACTUALS FOR HALF-YEAR ENDING 30th JUNE 1876.		No.	Rate of Salary.	Total for half-year.	No.	Rate of Salary.	Total for half-year.	Increase.	Decrease.
	No.	Rs.	No.	Rs.								
<i>Contingencies</i>												
<i>Maintenance and Repairs of Engines.</i>												
Railsmith	...	...	...	...	1	180	1,080	...	...	1,080	...	...
Moulder	...	...	...	...	1	150	900	...	...	900	...	...
Fitters	...	...	...	...	34	170	13,030	...	...	2,420	...	...
Other labor	...	...	...	...	...	...	12,000	...	...	...	...	...
Material	...	...	...	...	...	...	1,08,932	...	...	...	...	...
<i>Repairs and Renewals of Trucks.</i>												
Other labor	...	...	...	...	...	...	6,400	...	...	2,000	...	...
Materials	...	...	...	...	...	...	1,42,278	...	...	2,000	...	...
<i>Cleaning Carriages and Wagons.</i>												
Rolling Stock Inspectors	10	60	...	...	12	60	924	...	...	2,100	...	...
Oil, grease and other stores	...	...	...	...	...	...	1,400	...	...	5,000	...	...
Native Subordinates	...	...	...	...	...	...	2,000	...	...	200	...	...
<i>Allowances.</i>												
Travelling Allowance	...	...	...	...	...	...	6,571	...	...	4,750	...	...
Ballia	...	...	...	...	...	...	...	...	...	...	...	...
Overtime	...	...	...	...	...	...	4,570.51	...	...	3,600	...	...
Total	...	...	...	...	...	...	2,63,328	...	...	3,600	...	...

NEGAPATAM, (Signed) J. H. M. SHAW-STEWART, IA-Col., R.E.,
11th December 1876. Consulting Engineer for Railways.

W. S. DEITS, (Signed) L. G. SHEWARD,
Loco. & Car. Supt.

Proceedings of the Madras Government, Public Works Department,
19th January 1877. No. 182.

Distribution Return of Locomotive Establishment for the half-year ending 30th June 1877.

Stations.	LOCOMOTIVE SUPERINTENDENT.			ASSISTANT LOCOMOTIVE SUPERINTENDENT.			CHIEF CLERK.			CLERKS.			DRAUGHTSMEN.			TIMER-MEASURER.			TIME-KEEPER.			TIME-TAKER.			FUEL STORE-KEEPER.			FOREMEN.		
	Number.	Rate of Salary.	Total for half-year.	Number.	Rate of Salary.	Total for half-year.	Number.	Rate of Salary.	Total for half-year.	Number.	Rate of Salary.	Total for half-year.	Number.	Rate of Salary.	Total for half-year.	Number.	Rate of Salary.	Total for half-year.	Number.	Rate of Salary.	Total for half-year.	Number.	Rate of Salary.	Total for half-year.	Number.	Rate of Salary.	Total for half-year.			
Negapatam ..	1	818	4,909	1	475	2,850	1	200	1,200	27	Under 100	4,182	1	50	300	1	55	330	1	40	240	1	30	180	1	25	150	1	350	6,000
Tanjore ..	..	..	..	..	..	..	..	..	..	1	Do.	90	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Trichinopoly ..	..	..	..	..	..	..	..	..	..	4	Do.	462	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madura ..	..	..	..	..	..	..	..	..	..	2	Do.	162	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tuticorin ..	..	..	..	..	..	..	..	..	..	1	Do.	72	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tinnevely ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madras ..	..	..	..	..	..	..	..	..	..	2	Under 100	210	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cuddalore ..	..	..	..	..	..	..	..	..	..	1	Do.	72	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erode ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
All Depôts ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	..	4,909	..	..	2,850	..	..	1,200	33	..	6,250	..	..	300	..	..	330	..	..	180	..	..	150	..	..	..	..	8	14,400

Proceedings of the Madras Government, Public Works Department,
19th January 1877. No. 182.

Distribution Return of Locomotive Establishment for the half-year ending 30th June 1877—(Continued).

Distribution Return of Locomotive Establishment for the half-year ending 30th June 1877—(Continued).

Stations.	NATIVE FOREMEN.			DRIVERS.			FIREMEN.			NATIVE FIREMEN.			BOILERSMITH.			MOULDERS.			FITTERS.			PEONS AND WATCHMEN.			CLEANERS COAL-MEN WATERMEN AND NATIVE SUBORDINATES.			ROLLING STOCK INSPECTORS.		
	Number.	Rate of Salary.	Total for half-year.	Number.	Rate of Salary.	Total for half-year.	Number.	Rate of Salary.	Total for half-year.	Number.	Rate of Salary.	Total for half-year.	Number.	Rate of Salary.	Total for half-year.	Number.	Rate of Salary.	Total for half-year.	Number.	Rate of Salary.	Total for half-year.	Number.	Rate of Salary.	Total for half-year.	Number.	Rate of Salary.	Total for half-year.	Number.	Rate of Salary.	Total for half-year.
Nagapattam ..	4	Rs. Under 100	1,098	1	Rs. 165	3,300	2	Rs. 109	1,308	7	Rs. Under 100	980	..	Rs. ..	..	1	Rs. 150	900	15	Rs. Under 100	3,720	20	Rs. Under 100	744	..	Rs. ..	..	2	Rs. Under 100	390
Tanjore ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Trichinopoly ..	1	Rs. Under 100	180	1	Rs. 165	8,799	2	Rs. 109	3,828	19	Rs. Under 100	1,854	1	Rs. 180	1,080	..	..	..	..	..	6,180	4	Rs. Under 100	144	..	..	..	3	Rs. Under 100	540
Madura ..	1	Do.	180	1	Rs. 145	7,880	2	Rs. 109	2,268	14	Do.	1,380	..	..	..	..	..	..	..	..	900	3	Do.	114	..	..	..	2	Do.	360
Tuticorin ..	..	..	..	..	Rs. 120	720	..	..	..	2	Do.	144	..	..	..	..	..	..	..	..	240	1	Do.	30	..	..	..	1	Do.	90
Tinnevely ..	..	..	..	1	Rs. 165	990	..	..	..	2	Do.	144	..	..	..	..	..	..	..	..	210	1	Do.	30	..	..	..	..	..	..
Madras ..	1	Rs. Under 100	180	2	Rs. 135	7,710	3	Rs. 80	3,000	10	Do.	1,092	..	..	..	..	..	..	..	..	1,290	3	Do.	108	..	..	..	2	Rs. Under 100	300
Cuddalore ..	..	..	..	..	Rs. 120	2,310	3	Rs. 30	540	6	Do.	396	..	..	..	..	..	..	..	..	610	1	Do.	30	..	..	..	1	Do.	120
Erode ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
All Depôts ..	8	..	1,738	40	..	31,680	30	..	10,944	60	..	6,000	..	..	1,080	..	..	..	900	38	13,050	33	..	1,200	..	..	12,000	12	..	2,160

THE SHEWARD.

(Signed) E. G. SHEWARD,
Loco. & Car. Suptd.

NEGAPATAM,
11th December 1876.

Proceedings of the Madras Government, Public Works Department,
19th January 1877. No. 182.

Estimate of General Stores Establishment for half-year ending 30th June 1877, compared with previous half-year.

Designation or capacity in which employed.	ESTABLISHMENT FOR PREVIOUS HALF-YEARS.						ESTABLISHMENT FOR HALF-YEAR ENDING 30TH JUNE 1877.		COMPARED WITH SANCTION FOR HALF-YEAR ENDING 31ST DEC. 1876.		COMPARED WITH ACTUAL FOR HALF-YEAR ENDING 30TH JUNE 1876.		Remarks.	
	Sanctioned for half-year ending 31st December 1876.			Actuals for half-year ending 30th June 1876.			YEAR ENDING 30TH JUNE 1877.		HALF-YEAR ENDING 31ST DEC. 1876.		FOR HALF-YEAR ENDING 30TH JUNE 1876.			
	No.	Maxi- mum Salary.	Total for half-year.	No.	Maxi- mum Salary.	Total for half-year.	No.	Maxi- mum Salary.	Total for half-year.	Increase.	Decrease.	Increase.		Decrease.
General Storekeeper ...	1	300	1,800	1	300	1,800	1	350	2,100	300	...	300	...	Length of service. The pay of the post was formerly sanctioned at Rupees 500 per mensem.
Clerk ...	...	...	...	...	...	...	1	100	600	600	...	600	...	Increased staff called for by extra work.
Clerks ...	21	100	4,110	...	...	3,990	23	85	3,660	...	* 450	...	330	
Peons ...	30	8	1,020	...	...	900	32	8	1,200	180	...	300	...	
Travelling Allowance ...	...	...	...	...	...	...	...	...	70	70	...	70	...	
Total ...	...	...	6,930	...	...	6,690	...	...	7,630	1,150	450	1,270	330	

Travelling allowances, scale sanctioned by Government, No. 5, dated 5th January 1858.

NEGAPATAM,
20th December 1876.

(Signed) W. S. BETTS,
Agent.
SANCTIONED.
(Signed) J. H. M. SHAW-STEWART, Lt.-Col., R.E.,
Consulting Engineer for Railways.

Proceedings of the Madras Government, Public Works Department,
19th January 1877. No. 182.

Schedule of General charges for the half-year ending 30th June 1877.

Designation or capacity in which employed.	ESTABLISHMENTS FOR PREVIOUS HALF-YEARS.						ESTABLISHMENT FOR HALF-YEAR ENDING 30TH JUNE 1877.			COMPARISON WITH SANCTION FOR HALF-YEAR ENDING 31ST DEC. 1876.		COMPARISON WITH ACTUALS FOR HALF-YEAR ENDING 30TH JUNE 1876.		Remarks.
	Sanctioned for half-year ending 31st December 1876.			Actuals for half-year ending 30th June 1876.			No.	Maxi- mum Salary.	Total for half year.	Increase.	Decrease.	Increase.	Decrease.	
	No.	Maxi- mum Salary.	Total for half- year.	No.	Maxi- mum Salary.	Total for half year.								
I.—Home Expenditure ..	..	8,000	..	..	..	7,306	..	..	10,000	2,000	..	2,694	..	The increased expenditure is caused by the opening of further sections of the line for traffic.
(7) Rents of buildings and lands ..	..	..	..	..	..	..	..	..	..	..	..	..	..	
(8) Furniture Fittings and other Miscellaneous Expenditure. ..	..	..	..	..	..	737	..	..	..	..	..	..	..	
9. Printing and Stationery ..	..	..	..	..	..	781	..	..	1,000	500	..	219	..	
10. Medical ..	..	..	..	..	..	62	..	..	..	..	..	18	..	
III.—Police ..	..	..	..	..	..	102	..	..	..	..	..	..	..	
Consulting Engineer's letter No. 1,193 of 1st November 1876.	..	..	..	..	..	508	..	..	1,000	..	..	492	..	
IV.—Advertising ..	..	..	..	..	..	2,622	..	..	..	..	..	..	..	
VII.—Unclassified Expenditure ..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Special and Miscellaneous—	..	..	..	..	..	..	..	..	..	..	..	..	..	
I.—Law Charges ..	..	..	..	..	..	13	..	..	300	..	..	287	..	
II.—Compensation ..	..	..	..	..	..	619	..	..	1,000	..	..	381	..	
III.—Rates and Taxes ..	..	..	..	..	..	673	..	..	2,000	..	..	1,827	..	
IV.—Payments to other Lines—	..	..	..	..	..	..	..	..	..	..	..	..	..	
1. Hire of Locomotives ..	..	..	..	..	..	..	..	..	6,150	..	..	6,150	..	
2. " of Vehicles ..	..	..	..	..	..	..	..	..	..	..	..	..	..	
3. Mileage of Foreign Stock ..	..	..	..	..	..	8,089	..	..	8,000	..	..	..	..	
4. Rent of Stations ..	..	..	..	..	..	4,289	..	..	4,600	..	..	..	..	
Total ..	..	..	..	..	..	25,701	..	..	36,580	8,650	210	12,092	2,213	

NEGAPATAM,
20th December 1876.

(Signed) W. S. BETTS,
Agent.
SANCTIONED.
(Signed) J. H. M. SHAW-STEWART, Lt.-Col., R.E.,
Consulting Engineer for Railways.

Proceedings of the Madras Government, Public Works Department,
19th January 1877. No. 182.

Estimate of Telegraph Establishment for half-year ending 30th June 1877, compared with previous half-year.

Estimate of Telegraphs, Government of India.																	
Designation or capacity in which employed.	Num-ber of Stations.	ESTABLISHMENT OF PREVIOUS HALF-YEAR.						ESTABLISHMENT FOR HALF-YEAR ENDING 30th JUNE 1876.				COMPARED WITH SANCTION FOR HALF-YEAR ENDING 31st DECEMBER 1876.		COMPARED WITH ACTUALS FOR HALF-YEAR ENDING 30th JUNE 1876.			
		SANCTIONED FOR HALF-YEAR ENDING 31st DECEMBER 1876.			ACTUALS FOR HALF-YEAR ENDING 30th JUNE 1876.			Total for half-year.	Maxi-mum Salary.	Num-ber.	Total for half-year.	Maxi-mum Salary.	Num-ber.	Total for half-year.	In-crease.	De-crease.	
		Num-ber.	Maxi-mum Salary.	Total for half-year.	Num-ber of Stations.	Num-ber.	Maxi-mum Salary.										Total for half-year.
<i>Electric Telegraph.</i>																	
1st.—Salaries of Superintendent and Assistants (Inspectors)	..	2	100	880	..	..	..	..	2	100	1,200	..	..	1,200	..	..	
Lascars	..	4	7	164	..	..	..	..	4	9	168	..	..	168	..	..	
2nd.—Signallers	61	107	40	13,600	60	80	30	5,727	118	50	12,750	1,564	..	7,611	..	..	
Peons	..	32	7	1,302	..	..	..	..	14	7	638	..	..	..	..	..	
3rd.—Travelling Expenses	..	..	..	100	..	..	..	..	..	..	100	..	..	100	..	..	
4th.—Office Expenses and Contingencies, &c. ..	..	..	..	2,600	..	..	..	1,153	..	..	2,600	..	..	1,447	..	..	
5th.—Maintenance, Wages and Stores	..	..	..	600	..	..	..	177	..	..	600	..	..	423	..	..	
6th.—Government Telegraph Department for Rent, Maintenance and Inspection	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Training Staff	..	..	..	..	..	..	..	..	..	20	5	600	..	..	600	..	
Total ..	61	145	154	19,236	60	80	30	7,057	73	159	171	18,606	934	1,564	11,649	..	

Cause of increase.—Additional offices to be worked; travelling allowance same as in Traffic Department.

TRICHINOPOLY, (Signed) W. S. BETTS, (Signed) J. H. M. SHAW-STEWART, Lt.-Col., R.E., (Signed) A. STANTON, Traffic Manager.
12th December 1876. Consulting Engineer for Railways.

Proceedings of the Madras Government, Public Works Department,
19th January 1877. No. 182.

No. 354. ORDER THEREON, 19th January 1877, No. 181.

RAILWAY, No. 25.

ORDERED to be forwarded to the Government of India, whose sanction is necessary to the new appointment and increases of salary proposed in the superior grades.

2. Separate applications in these cases should be submitted.

(True Extract.)

(Signed) J. H. M. SHAW-STEWART, Lieut.-Colonel, R.E.,
Joint Secretary to Government.

No. 355. (DOCKET, No. 182, dated 19th January 1877.)

Copy of the above forwarded to the Government of India.

(True Extract.)

(Signed) J. H. M. SHAW-STEWART, Lieut.-Colonel, R.E.,
Joint Secretary to Government.

Exd. E. C. Shunker.
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*Establishment list of the
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ending 30th June 1878.*

signed &c

for