M.R.O. 1—77,006—8-6-37.

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MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 227-229 2928-29 Press / Mis.

Dated 11-12- 1872.

Not to be folded or roughly handled

No. 227. Read the following letter from the Consulting Engineer for Railways, to the Secretary to Government, Public Works Department, dated Madras, 16th November 1872, No. 625 :—

With reference to G. O., No. 1,365, dated 31st May 1872, I have the honour o submit, for the half-year ending the 31st December 1872, lists of maintenance anctions in force on the Madras Railway as regards the Engineering and Locomo-ive Departments.

2. In the 2nd Division, North-West Line, the expenditure shown is from Juddapah to Goondacul, miles 172, but of this, a portion, namely, from Ghooty to Goondacul, 15½ miles, will be chargeable to Capital up to the 11th December 1872. The whole of the 3rd Division is chargeable to Capital.

MADRAS RAILWAY.

Abstract of Sanctioned Estimates for Maintenance, half-year ending December 1872.

Heads of Charges.		First Division, South-West Line.		Second Division, South-West Line.		Third Division, South-West Line.		Fourth Division, South-West Line.		First Division, North-West Line.		Second Division, North-West Line.		Third Division, North-West Line.	
														Goondacul to Raichore, including Bellary Branch.	
		131¼ Miles (single).		123¼ Miles (single).		121¾ Miles (single).		104¾ Miles (single).		119¼ Miles (single).		111 Miles (single).		108 Miles (single).	
		Amount.	Per Mile.	Amount.	Per Mile.	Amount.	Per Mile.	Amount.	Per Mile.	Amount.	Per Mile.	Amount.	Per Mile.	Amount.	Per Mile.
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Head No. II.	Ordinary ...	41,456	315	26,952	203	47,491	390	62,830	603	35,859	300	31,221	281	36,506	338
	Extraordinary ...	5,472	42	.....	...	30,000	296	6,650	64	.....	...	.....	...	.....	...
Head No. III.	Ordinary ...	4,100	31	4,700	35	2,820	23	11,180	107	3,900	33	10,100	91	3,500	33
	Extraordinary ...	24,500	186	5,600	42	3,000	25	34,186	328	4,700	39	4,186	38	.....	...
Head No. IV.	Ordinary ...	4,900	37	8,778	66	6,800	52	5,600	53	6,500	54	8,084	36	1,650	15
	Extraordinary ...	.....	...	.....	...	.....	...	.....	...	.....	...	.....	...	.....	...
Head No. V.	Ordinary ...	.....	...	.....	...	.....	...	.....	...	.....	...	.....	...	.....	...
	Extraordinary ...	.....	...	.....	...	.....	...	.....	...	.....	...	.....	...	.....	...
Head No. VI.	Ordinary ...	3,050	23	1,650	12	1,400	12	2,050	20	3,050	31	1,050	9	3,050	28
	Extraordinary ...	.....	...	.....	...	.....	...	.....	...	.....	...	.....	...	.....	...
Total...		83,478	634	47,710	358	97,011	798	1,22,496	1,175	54,609	457	50,541	455	44,706	414

(Signed) C. M. MOBERLY, Captain,
Examiner of Railway Accounts.

(Signed) B. ANDERSON,
Chief Engineer.

(Signed) F. CHURCH,
Chief Auditor.

(Signed) R. B. ELWIN,
Agent and Manager.

MADRAS,
24th October 1872.

SANCTIONED ESTIMATE FOR MAINTENANCE, HALF-YEAR ENDING 31ST DECEMBER 1872.

1st Division, South-West Line, from Madras to Jollarpett.

Miles Maintained.		Departmentally.	By Contract.	Total.
Main Line ... Double ...		.....	.....	.....
Main Line ... Single ...		131½	.....	131½
Sidings		14½	.....	.....
	Total...	.....	.....	131½

Head.	Description of Works.	Ordinary	Extra-ordinary	Remarks.
II.	*Maintenance, Permanent Way—*	Rs.	Rs.	One Gang consisting of— Rs. A. P.
	(1.)—Wages—			1 Maistry ... 12 0 0 per mensem.
	* 47 Gangs, at Rs. 47×6	13,254	.....	7 Men, at Rs. 5 ... 35 0 0 per ,,
	4 Lorrymen, at ,, 7×6	168	.....	* Total... 47 0 0
	† Establishment, at ,, 1,851×6	8,634	‡2,472	*Establishment—* Rs. A. P.
	(2.)—Materials—			4 Section Maistries, at Rs. 15... 60 0 0
	Ballast, C. yds. 21,600, at 4 As.	2,400	‡ 3,000	4 Inspectors' Writers, at ,, 20... 80 0 0
	Rails	5,000	.....	3 Smiths, at ,, 20... 60 0 0
	Sleepers	12,000	.....	3 Hammermen, at ,, 6... 18 0 0
	Total, Head II...	41,456	5,472	3 Bellows Boys, at ,, 5... 15 0 0
				3 Carpenters, at ,, 20... 60 0 0
				2 Engineers' Lascars, at ,, 7... 14 0 0
				4 Inspectors' do., at ,, 5... 20 0 0
				156 Watchmen, at ,, 7... 1,092 0 0
				1 Timekeeper, ... 20 0 0
				1,439 0 0
				Four Gangs—
				1 Maistry ... 8 0 0
				19 Men, at Rs. 5 ... 95 0 0
				103 × 4 412 0 0
				† Total... 1,851 0 0
III.	*Repairs, Wages and Materials—*			
	(1.)— Bridges and Culverts ...	*a* 2,000	24,500	
	(1.)— Tunnels	.....	.....	
	(2.)— Earthwork	*b* 500	.....	
	(2.)— Fences	*c* 1,000	.....	
	(2.)— Roads and Level Crossings ...	100	.....	
	(2.)— Miscellaneous	500	.....	
	Total, Head III...	4,100	24,500	
IV.	*Repairs, Wages and Materials—*			
	(1.)— Station Buildings, Yards ...	*d* 3,300	.....	
	(1.)— Signals, Gate Lodges, etc. ...	100	.....	
	(2.)— Staff Quarters	*e* 1,500	.....	
	Total, Head IV...	4,900	.....	
V.	Maintenance by Contract	.....	.....	
	Total, Head V...	.....	.....	
VI.	*Unclassified Expenditure—*			
	(1.)—Plantations...	.....	.....	
	(2.)—Tools and Plant	*f* 3,000	.....	
	(3.)—Loss on Stores	50	.....	
	Total, Head VI...	3,050	.....	
	Grand Total...	53,506	29,972	

‡ Renewing laterite with sand ballast on Section I.

a General repairs, Rs. 2,000; substituting girders for timber trusses in Cochrane's Canal bridge, Rs. 2,000; protective works, Rs. 16,000; Palar Bridge, Rs. 6,500.

b Repairs to banks, Rupees 250; drains in cuttings Rupees 250.

c Planting and strengthening aloe fence.

d General repairs, Rupees 2,000; repairs of roofs, Rupees 1,300.

e General repairs, Rupees 1,000; do. Rupees 500.

f Includes repairs of ballast wagons.

SANCTIONED ESTIMATE FOR MAINTENANCE, HALF-YEAR ENDING 31ST DECEMBER 1872.

2nd Division, South-West Line, from Jollarpett to Mullapooram, including Bangalore Branch.

Miles Maintained.		Departmentally.	By Contract.	Total.
Main Line ...	Double ...	.....	.....	.....
	Single ...	133¼	.....	133¼
Sidings		10¾	.....	.....
	Total...	.....	.....	133¼

Head.	Description of Works.	Ordinary	Extra-ordinary	Remarks.
	Maintenance, Permanent Way—	RS.	RS.	
II.	(1.)—Wages—			One Gang consisting of—
	* 53 Gangs, at Rs. 33-4-0×6	10,573	.....	1 Maistry ... ... RS. 9 A. 8 P. 0
	23 Lorrymen, at ,, 6-4-0×6	862	.....	5 Coolies, at Rs. 4-12-0 ... 23 12 0
	† Establishment, at ,, 1,452-12-0×6	8,716	.....	* Total... 33 4 0
	(2.)—Materials—			*Establishment—* RS. A. P.
	Ballast, 15,400 C. yds., at Rs. 0-4-6	4,331	.....	1 Inspector of Night Watchmen, 50 0 0
	Rails	1,000	.....	4 Inspectors' Assistants, at Rs. 30 120 0 0
	Sleepers	1,500	.....	5 Inspectors' Writers, at ,, 15 75 0 0
	Total, Head II...	26,982	.....	1 Store Writer 20 0 0
				1 Blacksmith 22 12 0
				1 Hammerman 6 8 0
				1 Bellows Boy 3 4 0
				1 Carpenter 20 0 0
				1 Tinker 20 0 0
				2 Engineers' Lascars, at Rs. 7 14 0 0
				10 Store Watchmen, at ,, 7 70 0 0
				165 Line do., at ,, 6-4-0 1,031 4 0
				† Total... 1,452 12 0
III.	*Repairs, Wages and Materials—*			
	(1.)— Bridges and Culverts ...	*a* 1,800	5,600	*a* General repairs, Rupees 1,800; protective works, Rupees 5,600.
	Tunnels... ...	.....	.....	
	(2.)— Earthwork ...	600	.....	
	Fences	300	.....	
	Roads and Level Crossings ...	400	.....	
	Miscellaneous	1,600	.....	
	Total, Head III...	4,700	5,600	
IV.	*Repairs, Wages and Materials—*			
	(1.)— Station Buildings, Yards ...	*b* 6,678	.....	*b* General repairs, Rupees 3,360; engine-shed at Jollarpett, Rupees 2,518; clerks' houses at Jollarpett, Rupees 800.
	Signals, Gate Lodges, etc. ...	100	.....	
	(2.)— Staff Quarters	*c* 2,000	.....	*c* General repairs, Rupees 1,200; porters' line at Coopum, Rupees 800.
	Total, Head IV...	8,778	.....	
V.	Maintenance by Contract	.....	.....	
	Total, Head V...	.....	.....	
VI.	*Unclassified Expenditure—*			
	(1.)—Plantations	.....	.....	
	(2.)—Tools and Plant	*d* 1,600	.....	*d* Includes repairs of ballast wagons.
	(3.)—Loss on Stores	50	.....	
	Total, Head VI...	1,650	.....	
	Grand Total...	42,110	5,600	

SANCTIONED ESTIMATE FOR MAINTENANCE, HALF-YEAR ENDING 31ST DECEMBER 1872.

3rd Division, South-West Line, from Mullapooram to Coimbatore.

Miles Maintained.		Departmentally.	By Contract.	Total.
Main Line ...	Double ...	.....	.....	.....
	Single ...	121¾	.....	121¾
Sidings		10¾	.....	.....
	Total...	.....	.....	121¾

Head.	Description of Works.	Ordinary	Extra-ordinary	Remarks.
	Maintenance, Permanent-way—	RS.	RS.	
II.	(1.)—Wages—			One Gang consisting of— RS. A. P.
	* 40 Gangs, at Rs. 48-0-0×6	11,520	.....	1 Maistry 12 0 0
	19 Lorrymen, at ,, 5-8-0×6	594	.....	7 Men, at Rs. 5 2 0 ... 35 14 0
	† Establishment at Rs. 1,129-8-0×6	6,777	.....	* Total... 47 14 0
	(2.)—Materials—			*Establishment—* RS. A. P
	Ballast, 21,600 C. yds., at 4 As. ...	5,400	.....	2 Inspectors' Assistants, at Rs. 30 0 0 60 0 0
	Rails	1,500	.....	5 Section Maistries, at ,, 20 0 0 100 0 0
	Sleepers	21,700	*a* 36,000	4 Inspectors' Writers, at ,, 15 0 0 60 0 0
	Total, Head II...	47,491	36,000	112 Watchmen, at ,, 6 8 0 723 0 0
				4 Carpenters, at ,, 22 8 0 90 0 0
				3 Smiths, at ,, 20 0 0 60 0 0
				3 Hammermen, at ,, 7 0 0 21 0 0
				3 Bellows Boys, at ,, 3 8 0 10 8 0
				† Total... 1,129 8 0
				a Renewal of wooden road with iron-pot sleepers between Avenashy and Coimbatore.
III.	*Repairs, Wages and Materials—*			*b* General repairs, Rupees 1,200; protective works, Rupees 3,000.
	(1.)— Bridges and Culverts ...	*b* 1,200	3,000	
	Tunnels... ...	.....	.....	
	(2.)— Earthwork ...	300	.....	
	Fences	600	.....	
	Roads and Level Crossings ...	120	.....	
	Miscellaneous	600	.....	
	Total, Head III...	2,820	3,000	
IV.	*Repairs, Wages and Materials—*			
	(1.)— Station Buildings, Yards ...	*c* 4,700	.....	*c* General repairs, Rupees 3,500; erecting water-columns at Sunkerrydroog, Rupees 1,200.
	Signals, Gate Lodges, etc. ...	100	.....	
	(2.)— Staff Quarters	1,500	.....	
	Total, Head IV...	6,300	.....	
V.	Maintenance by Contract	.....	.....	
	Total, Head V...	.....	.....	
VI.	*Unclassified Expenditure—*			
	(1.)—Plantations	.....	.....	
	(2.)—Tools and Plant	*d* 1,350	.....	*d* Includes repairs of ballast wagons.
	(3.)—Loss on Stores	50	.....	
	Total, Head VI...	1,400	.....	
	Grand Total...	58,011	39,000	

SANCTIONED ESTIMATE FOR MAINTENANCE, HALF-YEAR ENDING 31ST DECEMBER 1872.

4th Division, South-West Line, from Coimbatore to Beypore.

Miles Maintained.	Departmentally.	By Contract.	Total.
Main Line ... Double ...	.....	.....	.....
Main Line ... Single ...	104½	.....	104½
Sidings	9½	.....	.....
Total ...	.....	.....	104½

Head.	Description of Works.	Ordinary	Extra-ordinary	Remarks.
	Maintenance, Permanent-way—	RS.	RS.	
	(1.)—Wages—			
II.	* 27 Gangs, at Rs. 78 × 6	12,636	.....	One Gang consisting of— RS. A. P. 1 Maistry ... ... 12 0 0 11 Men, at Rs. 6 ... 66 0 0 * Total ... 78 0 0
II.	20 Lorrymen, at ,, 7 × 6	840	.....	
II.	† Establishment, at ,, 754 × 6	4,524	.....	*Establishment—* RS. A. P. 4 Inspectors' Assistants, at Rs. 30 120 0 0 4 Do. Writers, at ,, 15 60 0 0 7 Store Lascars, at ,, 6 42 0 0 5 Carpenters, at ,, 20 100 0 0 3 Smiths, at ,, 20 60 0 0 3 Hammermen, at ,, 8 24 0 0 3 Bellows Boys, at ,, 4 12 0 0 56 Watchmen, at ,, 6 336 0 0 † Total ... 754 0 0
II.	(2.)—Materials—			
II.	Ballast, 12,000 C. yds., at 6 As. ...	4,500	.....	
II.	Rails	330	.....	
II.	Sleepers	40,000	*a* 6,650	
	Total, Head II...	62,830	6,650	
	Repairs, Wages and Materials—			
III.	(1.)—Bridges and Culverts ...	*b* 1,800	34,186	*a* Renewal of wooden road with iron-pot sleepers between Coimbatore and Muddikerry.
III.	(1.)—Tunnels...	.....	.....	*b* General repairs, Rupees 1,800; bracing frames to bridges No. 111, Rupees 1,173; protective works, Rupees 33,013.
III.	(2.)—Earthwork	*c* 900	.....	*c* Making up cess bank and fence bunds.
III.	(2.)—Fences	*d* 8,000	.....	*d* Repairing aloe fence and building stone-wall fence.
III.	(2.)—Roads and Level Crossings ...	300	.....	
III.	(2.)—Miscellaneous	180	.....	
	Total, Head III...	11,180	34,186	
	Repairs, Wages and Materials—			
IV.	(1.)—Station Buildings, Yards ...	*e* 4,500	.....	*e* General repairs, Rupees 2,800; roofs, etc., Rupees 1,000; turn-tables, water-columns, etc; Rupees 700.
IV.	(1.)—Signals, Gate Lodges, etc. ...	200	.....	
IV.	(2.)—Staff Quarters	900	.....	
	Total, Head IV...	5,600	.....	
V.	Maintenance by Contract	.....	.....	
	Total, Head V...	.....	.....	
	Unclassified Expenditure—			
VI.	(1.)—Plantations	.....	.....	
VI.	(2.)—Tools and Plant	*f* 2,000	.....	*f* Includes repairs of ballast wagons.
VI.	(3.)—Loss on Stores	50	.....	
	Total, Head VI...	2,050	.....	
	Grand Total...	81,660	40,836	

SANCTIONED ESTIMATE FOR MAINTENANCE, HALF-YEAR ENDING 31ST DECEMBER 1872.

1st Division, North-West Line, from Arconum to Cuddapah.

Miles Maintained.	Departmentally.	By Contract.	Total.
Main Line ... Double ...	.....	.....	.....
Main Line ... Single... ...	119½	.....	119½
Sidings	12¾	.....	.....
Total...	.....	.....	119½

Head.	Description of Works.	Ordinary.	Extra-ordinary.	Remarks.
	Maintenance, Permanent-way—	RS.	RS.	
	(1.)—Wages—			
II.	* 40 Gangs, at Rs. 46 × 6	11,040	.....	One Gang consisting of— RS. A. P. 1 Maistry ... ... 11 0 0 7 Coolies, at Rs. 5 ... 35 0 0 * Total... 46 0 0
II.	10 Lorrymen, at ,, 5 × 6	300	.....	
II.	† Establishment, at ,, 1,678 × 6	10,068	.....	*Establishment—* RS. A. P. 1 Sub-Inspector ... ... 50 0 0 4 Inspectors' Assistants, at Rs. 30. 120 0 0 1 Time-keeper ... ... 25 0 0 4 Inspectors' Writers, at Rs. 15 60 0 0 5 Section Maistries, at ,, 15 75 0 0 7 Store Watchmen, at ,, 8 56 0 0 150 Line Watchmen, at ,, 7 1,050 0 0 1 Blacksmith ... ... 30 0 0 3 Do. at Rs. 20 60 0 0 4 Hammermen, at ,, 6 24 0 0 4 Bellows Boys, at ,, 5 20 0 0 3 Carpenters, at ,, 20 60 0 0 1 Painter ... ... 12 0 0 1 Tinker ... ... 12 0 0 2 Store Coolies, at Rs. 5 10 0 0 2 Lascars, at ,, 7 14 0 0 † Total... 1,678 0 0
II.	(2.)—Materials—			
II.	Ballast, 16,000 C. yds., at Rs. 0-5-0	5,000	.....	
II.	Rails	4.45†	.....	
II.	Sleepers	5,000	.....	
	Total, Head II...	33,859	.....	
	Repairs, Wages and Materials—			
III.	(1.)—Bridges and Culverts ...	*a* 1,400	4,700	*a* General repairs, Rupees 1,400; protective works, Rupees 3,500; replacing timber tops by iron girders, Rupees 1,200.
III.	(1.)—Tunnels...	.....	.....	
III.	(2.)—Earthwork	*b* 1,000	.....	*b* Making up bank.
III.	(2.)—Fences	*c* 1,000	.....	*c* General repairs and planting new aloes where necessary.
III.	(2.)—Roads and Level Crossings ...	*d* 500	.....	*d* Metalling, Rupees 150; repairs of gates, Rupees 350.
III.	(2.)—Miscellaneous	.....	.....	
	Total, Head III...	3,900	4,700	
	Repairs, Wages and Materials—			
IV.	(1.)—Station Buildings, Yards ...	*e* 4,200	.....	*e* General repairs, Rupees 2,900; turn-tables, Rupees 900; paving with Nurjee slabs, Rupees 400.
IV.	(1.)—Signals, Gate Lodges, etc. ...	*f* 800	.....	*f* Signals, Rupees 500; gate lodges, Rupees 300.
IV.	(2.)—Staff Quarters	1,500	.....	
	Total, Head IV...	6,500	.....	
V.	Maintenance by Contract	.....	.....	
	Total, Head V...	.....	.....	
	Unclassified Expenditure—			
VI.	(1.)—Plantations	.....	.....	
VI.	(2.)—Tools and Plant	*g* 3,600	.....	*g* Includes repairs of ballast wagons.
VI.	(3.)—Loss on Stores ...	50	.....	
	Total, Head VI...	3,650	.....	
	Grand Total...	49,909	4,700	

Proceedings of the Madras Government, Public Works Department, 11th December 1872.

SANCTIONED ESTIMATE FOR MAINTENANCE, HALF-YEAR ENDING 31ST DECEMBER 1872.

2nd Division, North-West-Line, from Cuddapah to Goondacul.

Miles Maintained.		Departmentally.	By Contract.	Total.
Main Line...	Double ...	.....	.....	.....
	Single ...	111	.....	111
Sidings		7½	.....	.....
	Total...	.....	.....	111

Head.	Description of Works.	Ordinary	Extra-ordinary	Remarks.
	Maintenance, Permanent-way—	RS.	RS.	One Gang consisting of—
	(1.)—Wages—			1 Maistry ... ... RS. 11 A. 0 P. 0
II.	* 38 Gangs, at Rs. 42-8-0×6 ...	9,690	.....	6 Coolies, at Rs. 5-4-0 ... 31 8 0
	10 Lorrymen, 8 at Rs. 5 and 2 at Rs. 7 × 6	324	.....	* Total... 42 8 0
	† Establishment, at Rs. 1,762-8-0×6	10,575	.....	*Establishment—* RS. A. P.
	(2.)—Materials—			4 Inspectors' Assistants, at Rs. 30 120 0 0
	Ballast, 34,560 C. yds., at 3 As. 8 Pics			2 Night Watchmen Inspectors'... 56 0 0
	Rails	7,020	.....	1 Time-keeper 13 0 0
	Sleepers	138	.....	1 Inspector's Writer 25 0 0
		2,674	.....	3 Do. do., at Rs. 15 ... 45 0 0
	Total, Head II...	31,221	.....	8 Section Maistries, at ,, 20 ... 60 0 0
				6 Store Watchmen, at ,, 7 ... 42 0 0
	Repairs, Wages and Materials—			1 Carpenter Maistry 30 0 0
	(1.)—Bridges and Culverts			1 Carpenter 23 0 0
III.	Tunnels...	a 5,000	4,186	1 Do. 23 0 0
	(2.)—Earthwork	.....	.....	2 Do., at Rs. 20 ... ... 40 0 0
	Fences	2,000	.....	1 Do. 20 0 0
	Roads and Level Crossings ...	1,500	.....	3 Blacksmiths, at Rs 20 ... 60 0 0
	Miscellaneous	1,000	.....	1 Do. 16 0 0
		600	.....	8 Hammermen, at Rs 8 ... 24 0 0
	Total, Head III...	10,100	4,186	1 Do. 6 8 0
				3 Bellows Boys, at Rs. 6 ... 18 0 0
	Repairs, Wages and Materials—			1 Do. 4 0 0
IV.	(1.)—Station Buildings, Yards			1 Painter 20 0 0
	Signals, Gate Lodges, etc. ...	2,544	.....	3 Store Coolies, at Rs. 6 ... 18 0 0
	(2.)—Staff Quarters	500	.....	2 Engineers' Lascars, at Rs. 7 ... 14 0 0
		940	.....	1 Office Peon 7 0 0
	Total, Head IV...	3,984	.....	154 Watchmen, at Rs. 6 ... 924 0 0
				23 Do., at ,, 7 ... 161 0 0
V.	Maintenance by Contract	.....	.....	† Total... 1,762 8 0
	Total, Head V...	.....	.....	
	Unclassified Expenditure—			a General repairs, including painting of girders, Rupees 5,000; protective works to bridges, Rupees 4,186.
VI.	(1.)—Plantations	.....	.....	
	(2.)—Tools and Plant	b 1,000	.....	
	(3.)—Loss on Stores	50	.....	b Includes repairs of ballast wagons.
	Total, Head VI...	1,050	.....	
	Grand Total...	46,355	4,186	

Proceedings of the Madras Government, Public Works Department, 11th December 1872.

SANCTIONED ESTIMATE FOR MAINTENANCE HALF-YEAR ENDING 31ST DECEMBER 1872.

3rd Division, North-West Line, from Goondacul to Raichore, including Bellary Branch.

Miles Maintained.		Departmentally.	By Contract.	Total.
Main Line ...	Double ...	.....	.....	.....
	Single ...	108	.....	108
Sidings		10½	.....	.....
	Total...	.....	.....	108

Head.	Description of Works.	Ordinary	Extra-ordinary	Remarks.
	Maintenance Permanent-way—	RS.	RS.	One Gang consisting of— RS.
	(1.)—Wages—			1 Maistry 13
II.	* 64 Gangs, at Rs. 61 × 6	23,424	.....	8 Coolies, at Rs. 6 ... 48
	8 Lorrymen, at ,, 7 × 6	336	.....	* Total... 61
	† Establishment, at ,, 1,791 × 6	10,746	.....	*Establishment—* RS. A. P.
	(2.)—Materials—			1 Sub-Inspector 50 0 0
	Ballast	.....	.....	3 Inspectors' Assistants, at Rs. 30 0 0 90 0 0
	Rails	500	.....	4 Inspectors' Writers, at ,, 20 0 0 80 0 0
	Sleepers	1,500	.....	8 Section Maistries, at ,, 18 0 0 144 0 0
	Total, Head II...	36,506	.....	12 Store Watchers, at ,, 7 0 0 84 0 0
				1 Carpenter, ... 30 0 0
	Repairs, Wages and Materials—			3 Do., at Rs. 20 0 0 60 0 0
	(1.)—Bridges and Culverts ...	1,000	.....	4 Do., at ,, 15 0 0 60 0 0
III.	Tunnels...	.....	.....	4 Smiths, at ,, 15 0 0 60 0 0
	(2.)—Earthwork	1,500	.....	7 Hammermen, at ,, 8 0 0 56 0 0
	Fences	500	.....	7 Bellows Boys, at ,, 5 0 0 35 0 0
	Roads and Level Crossings ...	400	.....	13 Coolies, at ,, 6 0 0 78 0 0
	Miscellaneous	100	.....	106 Watchmen, at ,, 7 8 0 795 0 0
	Total, Head III...	3,500	.....	2 Time-keepers, at ,, 25 0 0 50 0 0
				1 Painter 20 0 0
	Repairs, Wages and Materials—			1 Blacksmith 26 0 0
IV.	(1.)—Station Buildings, Yards ...	1,000	.....	1 Do. 25 0 0
	Signals, Gate Lodges, etc. ...	150	.....	1 Do. 20 0 0
	(2.)—Staff Quarters	500	.....	2 Engineers' Lascars, at Rs. 7 0 0 14 0 0
	Total, Head IV...	1,650	.....	2 Gun do, at ,, 7 0 0 14 0 0
				† Total... 1,791 0 0
V.	Maintenance by Contract	.....	.....	
	Total, Head V...	.....	.....	
	Unclassified Expenditure—			
VI.	(1.)—Plantations	.....	.....	
	(2.)—Tools and Plant	a 3,000	.....	a Includes repairs of ballast wagons.
	(3.)—Loss on Stores	50	.....	
	Total, Head VI...	3,050	.....	
	Grand Total...	44,706	.....	

MADRAS,
24th October 1872.

(Signed) B. ANDERSON,
Chief Engineer.

Proceedings of the Madras Government, Public Works Department, 11th December 1872.

No. 228. ORDER THEREON, 11th December 1872, No. 2,928.

RAILWAY, No. 45.

ORDERED that the lists submitted with this letter be forwarded to the Government of India with reference to their Proceedings dated 10th May 1872, No. 656 A. R.

(True Extract.)

(Signed) G. W. WALKER, Colonel, R.E,

Secretary to Government.

No. 229. DOCKET No. 2,929, dated 11th December 1872.

COPY of the above forwarded to the Government of India.

(True Extract.)

Colonel, R.E.,

Secretary to Government.

Madras Railway.

Abstract of Sanctioned Estimates for Maintenance. Half year ending December 1872.

Heads of Charges	1st Division S. W. Line: Madras to Jollarpett — 131½ Miles / Single		2d Division S. W. Line: Jollarpett to Mullapooram including Bangalore Branch — 133¼ Miles / Single		3d Division S. W. Line: Mullapooram to Coimbatore — 121¾ Miles / Single		4th Division S. W. Line: Coimbatore to Beypoor — 104¼ Miles / Single		1st Division N. W. Line: Arconum to Cuddapah — 119½ Miles / Single		2d Division N. W. Line: Cuddapah to Goondacul — 111 Miles / Single		3d Division N. W. Line: Goondacul to Raichore including Bellary Branch — 108 Miles / Single	
	Amount Rs	Per Mile Rs	Amount Rs	Per Mile Rs	Amount Rs	Per Mile Rs	Amount Rs	Per Mile Rs	Amount Rs	Per Mile Rs	Amount Rs	Per Mile Rs	Amount Rs	Per Mile Rs
Head No. II — Ordinary	41.456	315	26.982	203	47.491	390	62.830	603	35.859	300	31.221	281	36.506	338
Head No. II — Extraordinary	5.472	42	"	"	36.000	296	6.650	64	"	"	"	"	"	"
Head No. III — Ordinary	4.100	31	4.700	35	2.820	23	11.180	107	3.900	33	10.100	91	3.500	33
Head No. III — Extraordinary	24.500	186	5.600	42	3.000	25	34.186	328	4.700	39	4.186	38	"	"
Head No. IV — Ordinary	4.900	37	8.778	66	6.300	52	5.600	53	6.500	54	3.984	36	1.650	15
Head No. IV — Extraordinary	"	"	"	"	"	"	"	"	"	"	"	"	"	"
Head No. V — Ordinary	"	"	"	"	"	"	"	"	"	"	"	"	"	"
Head No. V — Extraordinary	"	"	"	"	"	"	"	"	"	"	"	"	"	"
Head No. VI — Ordinary	3.050	23	1.650	12	1.400	12	2.050	20	3.650	31	1.050	9	3.050	28
Head No. VI — Extraordinary	"	"	"	"	"	"	"	"	"	"	"	"	"	"
	83.478	634	47.710	358	97.011	798	122.496	1175	54.609	457	50.541	455	44.706	414

Madras Railway.
Chief Engineer's Office.
24th October 1872.

Chief Auditor

Exam. of Rly Accts.
28.10.72

Agent & Manager.

Chief Engineer

13c

Madras Railway

Sanctioned Estimate for Maintenance

Half-year ending 31st December, 1872.

1st Division S. W. Line. From Madras to Jollarpett.

Miles Maintained		Departmentally	By Contract	Total
Main Line	Double	"	"	"
	Single	131 1/2	"	131 1/2
Sidings		14 1/4		
			Total	131 1/2

Head	Description of Works		Ordinary	Extraordinary	Remarks
	Maintenance. Permanent Way.				1 Gang consisting of: Rs. as. P. — 1 Maistry 12. .. .. per Measum — 7 Men at Rs 5/ 35. .. .. do — × Total 47. .. ..
II	(1) Wages.				
	47 Gangs	at Rs 47 × 6	13,254	"	Establishment: Rs. as. P.
	4 Lerrymen	at Rs 7 × 6	168	"	4 Section Maistries at Rs 15/ 60. .. ..
	*Establishment	at Rs 1851 × 6	8,634	$ 2472	4 Inspecters Writers at — 20/ 80. .. ..
	(2) Materials.				3 Smiths at — 20/ 60. .. ..
	Ballast C. Yds 21,600, at 4 annas		24.00	$ 3.000	3 Hammermen at — 6/ 18. .. ..
	Rails		5.000	"	3 Bellows Boys at — 5/ 15. .. ..
	Sleepers		12.000	"	3 Carpenters at — 20/ 60. .. ..
					2 Engineers Lascars at — 7/ 14. .. ..
					4 Inspecters Lascars at — 5/ 20. .. ..
					156 Watchmen at — 7/ 1092. .. ..
					1 Smithkeeper 20. .. ..
	Total Head II		41.456	5472	4 Gangs 1439. .. ..
					19 Men at Rs 5/ 95. .. . 103 × 4 412. .. ..
					* Total Rs 1851. .. ..
III	Repairs. Wages and Materials.				
	(1) Bridges and Culverts		a 2000	24.500	$ Renewing Laterite with Sand Ballast, on section I
	(1) Tunnels		"	"	
	Earthwork		b 500	"	a General repairs Rs 2000/ Substituting Girders for Timber trusses in Cochranes Canal Bridge Rs 2000/ Protective Works Rs 16,000/ Pallar Bridge Rs 6500/
	(2) Fences		c 1.000	"	
	(2) Roads and Level Crossings		100	"	b Repairs to Banks Rs 250/ Drains in Cuttings Rs 250/
	Miscellaneous		500	"	
	Total Head III		4100	24.500	c Planting and Strengthening Aloe fences.
IV	Repairs. Wages and Materials.				
	(1) Station buildings, Yards		d 3300	"	d General Repairs Rs 2000/ Repairs of roofs Rs 1300/
	(1) Signals Gate Lodges &c		100	"	
	(2) Staff Quarters		e 1500	"	e General Repairs Rs 1000/ — do — Rs 500/
	Total Head IV		4900	"	
V	Maintenance by Contract		"	"	
	Total Head V		"	"	
VI	Unclassified Expenditure.				
	(1) Plantations		"	"	
	(2) Tools and Plant		* 3000	"	* Includes Repairs of Ballast Wagons
	(3) Loss on Stores		50	"	
	Total Head VI		3050	"	
	Grand Total		53.506	29.972	

Madras Railway,
Chief Engineer's Office,
the 24th October, 1872.

Chief Engineer

Madras Railway

Sanctioned Estimate for Maintenance

Half year ending 31st December 1872.

2d Division S. W. Line. — From Jollarpett to Mullapooram including Bangalore Branch

Miles Maintained	Departmentally	By Contract	Total
Main Line { Double	"	"	"
Main Line { Single	133 1/4	"	133 1/4
Sidings	10 3/4		
		Total	133 1/4

Head	Description of Works	Ordinary	Extraordinary	Remarks
II	Maintenance Permant Way			
	(1) Wages			
	× 53 Gangs at Rs 33.4 × 6	10.573	"	
	23 Lorrymen at Rs 6.4 × 6	862	"	
	* Establishment, at Rs 1452-12 × 6	8.716	"	
	(2) Materials			
	Ballast 15400 C. yds at Rs 0-4-6	4.331	"	
	Rails	1.000	"	
	Sleepers	1500	"	
	Total Head II	26.982	"	
III	Repairs Wages & Materials			
	(1) Bridges and Culverts	° 1.800	5.600	° General repairs Rs 1800/ Protective Works Rs 5600/
	(1) Tunnels	"	"	
	(1) Earthwork	600	"	
	(2) Fences	300	"	
	(2) Roads and Level Crossings	400	"	
	(2) Miscellaneous	1.600	"	
	Total Head III	4.700	5.600	
II	Repairs Wages & Materials			
	(1) Station buildings, yards	° 6.678	"	° General repairs Rs 3360/ Engine Shed at Jollarpett Rs 2518/ Clerks Houses at Jollarpett Rs 800/
	(1) Signals, Gate Lodges &c	100	"	
	(2) Staff Quarters	* 2.000	"	* General repairs Rs 7200/ Porter Lines at Coopum Rs 800/
	Total Head II	8.778	"	
V	Maintenance by Contract	"	"	
	Total Head V	"	"	
VI	Unclassified Expenditure			
	(1) Plantations	"	"	
	(2) Tools and Plant	* 1.600	"	* Includes Repairs of Ballast Wagons.
	(3) Loss on Stores	50	"	
	Total Head VI	1650	"	
	Grand Total	42.110	5.600	

1 Gang Consisting of

	Rs	As	P
1. Maistry	9.	8.	.
5. Coolies at Rs 4/12/-	23.	12.	.
Total Rs	33.	4.	.

Establishment:

	Rs	As	P
1. Inspector of Night Watchmen	50	.	.
4. Inspectors Assistants at Rs 30/-	120	.	.
5. Inspectors Writers at 15/-	75.	.	.
1. Store Writer	20.	.	.
1. Blacksmith	22.	12.	.
1. Hammerman	6.	8.	.
1. Bellows Boy	3.	4	.
1. Carpenter	20.	.	.
1. Tinker	20.	.	.
2. Engineers Lascars at Rs 7/-	14	.	.
10. Store Watchmen at 7/-	70.	.	.
165. Line Watchmen at 6/4/-	1631.	4.	.
* Total Rupees	1452.	12.	.

Madras Railway,
Chief Engrs Office 21st October, 1872.

Blandford Architect
Chief Engineer

17e.

Madras Railway

Sanctioned Estimate for Maintenance.

— Half year ending 31st December 1872.

3rd Division S. W. Line. From Mullapooram to Coimbatore

Miles Maintained		Departmentally	By Contract	Total
Main Line	Double	"	.	.
	Single	121 3/4	.	121 3/4
Sidings		10 3/4		
			Total	121 3/4

Head	Description of Works	Ordinary	Extraordinary	Remarks
II	Maintenance. Permanent Way.			1 Gang Consisting of Rs. As. P.
	(1) Wages.			1. Maistry 12. . .
	† 40. Gangs at Rs. 48. × 6	11.520	.	7. Men at Rs. 5/2/- 35. 14. .
	18 Lorrymen at Rs. 5-8-0 × 6	594	.	× Total Rs. 47. 14. .
	‡ Establishment at Rs. 1129. 8. 0 × 6	6.777	.	Establishment. Rs. As. P.
	(2) Materials.			2. Inspectors Assistants at Rs. 30/- 60. . .
	Ballast 21600. C. Yds. at 4 annas	5.400	.	5. Section Maistries at " 20/- 100. . .
	Rails	1.500	.	4. Inspecting Writers at " 15/- 60. . .
	Sleepers	21.700	※ 36.000	112. Watchmen at " 6/8- 728. . .
				4. Carpenters at " 22/8- 90. . .
				8. Smiths at " 20/- 60. . .
				3. Hammermen at " 7/- 21. . .
				3. Bellows Boys at " 3/8- 10. 8. .
				‡ Total Rs. 1129. 8. .
	Total Head II	47491	36.000	※ Renewal of Wooden Road with iron pot Sleepers between Avanashy and Tirubalore.
III	Repairs. Wages and Materials.			
	(1) Bridges and Culverts	ϕ 1.200	3.000	ϕ General Repairs Rs. 1200./ Protective Works Rs. 3000./
	(1) Tunnels	.	.	
	(1) Earthwork	300	.	
	(2) Fences	600	.	
	(2) Roads and Level Crossings	120	.	
	Miscellaneous	600	.	
	Total Head III	2.820	3000	
IV	Repairs. Wages and Materials.			
	(1) Station Buildings. Yards	⊙ 4.700	.	⊙ General Repairs Rs. 3500./ Erecting Water Columns at Junkrydroog Rs. 1200./
	(1) Signal Gate Lodges &c	100	.	
	(2) Staff Quarters	1.500	.	
	Total Head IV	6.300	.	
V	Maintenance by Contract	"	"	
	Total Head V	"	"	
VI	Unclassified Expenditure.			
	(1) Plantations	.	.	※ Includes Repairs of Ballast Wagons.
	(2) Tools and Plant	※ 1350	.	
	(3) Loss on Stores	50	.	
	Total Head VI	1400	.	
	Grand Total	58.011	39.000	

Madras Railway,
Chief Engineer's Office,
21st October 1872.

Chief Engineer

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Madras Railway

Sanctioned Estimate for Maintenance.

— Half year ending 31st December. 1872.

4th Division S. W. Line. From Coimbatore to Byepoot.

Miles Maintained		Departmentally	By Contract	Total
Main Line	Double	"	"	"
	Single	104 1/4	"	104 1/4
Sidings		9 1/2		
			Total	104 1/4

Head	Description of Works	Ordinary	Extraordinary	Remarks
II	Maintenance. Permanent Way.			1 Gang Consisting of No.
	(1) Wages.			Rs. as. P.
	* 27 Gangs at Rs 78 × 6	12.636	"	1. Mistry 12. " "
	20 Lorrymen at " 7 × 6	840	"	11. Men at Rs 6/ 66. " "
	* Establishment at " 754 × 6	14524	"	× Total Rs 78. " "
	(2) Materials.			Establishment: Rs as. P.
	Ballast 12000. C. Yds at 6 As.	4.500	"	4. Inspectors Assistants at Rs 30/ 120. " "
	Rails	330	"	4. do Writers at " 15/ 60. " "
	Sleepers	40.000	c 6650	7. Store Lascars at " 6/ 42. " "
	Total Head II	62830	6650	5. Carpenters at " 20/ 100. " "
				3. Smiths at " 20/ 60. " "
				3. Hammermen at " 8/ 24. " "
				3. Bellows Boys at " 4/ 12. " "
				56. Watchmen at " 6/ 336. " "
				* Total Rs. 754. " "
				c Renewal of Wooden Road with iron pot Sleepers between Coimbatore & Muddikerry
III	Repairs. Wages and Materials.			
	(1) Bridges and Culverts	b 1800	34.186	b General Repairs Rs 1800/ Bracing frames to Bridge No. 111. Rs 1173/ Protective Works Rs 33,013/
	(1) Tunnels	"	"	
	(1) Earthwork	c 900	"	c Making up Cess bank and fence bunds
	(2) Fences	d 8.000	"	d Repairing aloe fence and building stone wall fence.
	(2) Roads and Level Crossings	300	"	
	(2) Miscellaneous	180	"	
	Total Head III	11.180	34.186	
IV	Repairs. Wages and Materials.			
	(1) Station Buildings. Yards	* 4.500	"	* General Repairs Rs 2800/ Roofs &c Rs 1000/ Turn Tables, Water Columns &c Rs 700/
	(1) Signals. Gate Lodges &c	200	"	
	(2) Staff Quarters	900	"	
	Total Head IV	6.600	"	
V	Maintenance by Contract	"	"	
	Total Head V	"	"	
VI	Unclassified Expenditure.			
	(1) Plantations	"	"	
	(2) Tools and Plant	p 2.000	"	p Includes Repairs of Ballast Wagons.
	(3) Loss on Stores	50	"	
	Total Head VI	2.050	"	
	Grand Total	81.660	40.836	

Madras Railway,
Chief Engineer's Office,
24th October. 1872.

Blanford Anderson.
Chief Engineer.

Madras Railway

Sanctioned Estimate for Maintenance

Half year ending 31st December 1872

1st Division N.W. Line - From Arconum to Cuddapah

Miles Maintained	Departmentally	By Contract	Total
Main Line { Double	"	"	"
Main Line { Single	119 1/2	"	119 1/2
Sidings	12 3/4		
		Total	119 1/2

Head	Description of Works	Ordinary	Extraordinary	Remarks
	Maintenance - Permanent Way.			1 Jr. Gang Consisting of Rs. As. P.
	(1) Wages - 14			1 - 1 Maistry - 11. .. .
	40. Gangs - at Rs 46 x 6	11.040	"	1 - 7 - Coolies - at Rs 5/ - 35. .. .
	10 Lascymen - at Rs 5 x 6	300	.	x Total Rs 46. .. .
II	* Establishment - at Rs 1678 x 6	10.068	.	Establishment - Rs. As. P.
	(2) Materials			1. Asst Inspector - 50. .. .
	Ballast - 16.000 C. Yds at 5. As.	5.000	.	4. Inspectors Assistants - at Rs 30/ - 120. .. .
	Rails	4.451	.	1. Storekeeper - 25. .. .
	Sleepers	5.000	.	4 Inspectors Writers - at Rs 15/ - 60. .. .
				5. Sellim Monstries - at - " - 15/ - 75. .. .
	Total Head II	35.859	.	7. Store Watchmen - at - " - 8/ - 56. .. .
				150 Line Watchmen - at - " - 7/ - 1050. .. .
	Repairs. Wages & Materials			1. Blacksmith - 12. .. .
	(1) Bridges and Culverts	a 1400	4.700	3. do - at Rs 20/ - 30. .. .
	(1) Tunnels	"	.	4. Hammermen - at - " - 6/ - 60. .. .
III	Earthwork	b 1000	"	4. Bellows Boys - at - " - 5/ - 24. .. .
	(2) Fences	c. 1000	.	3. Carpenters - at - " - 5/ - 20. .. .
	(2) Roads and Level Crossings	d 500	"	1. Painter - at - " - 20/ - 60. .. .
	Miscellaneous	.	.	1. Tinker - 12. .. .
	Total Head III	3.900	4.700	2. Store Coolies - at Rs 5/ - 10. .. .
				2. Lascars - at - " - 7/ - 14. .. .
	Repairs - Wages and Materials			* Total Rupees 1678. .. .
	(1) Station buildings, Yards	° 4.200	"	
IV	(1) Signals, Gate Lodges &c	✱ 800	"	
	(2) Staff Quarters	1.500	.	
	Total Head IV	6.500	"	
V	Maintenance by Contract	.	.	
	Total Head V	"	"	
	Unclassified Expenditure			
	(1) Plantations	.	"	
VI	(2) Tools and Plant	ϕ 3600	"	
	(3) Loss on Stores	50	"	
	Total Head VI	3.650	"	
	Grand Total	49.909	4.700	

a General repairs Rs 1400/ Protective Works Rs 3500/ Replacing Timber tops by Iron Girders Rs 1260/

b Making up Bank

c General repairs and planting new slopes where necessary

d Metalling Rs 150/ Repairs of Gates Rs 350/

° General repairs Rs 2900/ Turn Tables Rs 900/ Paving with Stone Slabs Rs 400/

✱ Signals Rs 500/ Gate Lodges Rs 300/

ϕ Includes repairs of Ballast Wagons.

Madras Railway.
Chief Engineer's Office 24th October 1872.

Chief Engineer.

2 & 2

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Madras Railway

Sanctioned Estimate for Maintenance.

Half year ending 31st December 1872.

2nd Division N. W. Line. From Cuddapah to Goondacul

Miles Maintained	Departmentally	By Contract	Total
Main Line — Double	"	"	"
Main Line — Single	111	"	111
Sidings	7½		
		Total	111

Head	Description of Works	Ordinary	Extra-ordinary	Remarks
II	Maintenance. Permanent Way.			
	(1) Wages.			
	†38 Gangs at Rs 42. 8. . × 6	9690	"	
	10 Lobrymen & at Rs 5/ and 2 at Rs 7 × 6	324	"	
	#Establishment at Rs 1762. 8. . × 6	10575	"	
	(2) Materials.			
	Ballast 34560 C. Yds at 3 As 8 pies	7920	"	
	Rails	138	"	
	Sleepers	2574	"	
	Total Head II	31221	"	
III	Repairs. Wages and Materials.			
	(1) Bridges and Culverts	※ 5000	4186	
	(1) Tunnels	"	"	
	(2) Earthwork	2000	"	
	(2) Fences	1500	"	
	(2) Roads and Level Crossings	1000	"	
	(2) Miscellaneous	600	"	
	Total Head III	10100	4186	
IV	Repairs. Wages and Materials.			
	(1) Station buildings, Yards	2544	"	
	(1) Signals Gate Lodges &c	500	"	
	(2) Staff Quarters	940	"	
	Total Head IV	3981	"	
V	Maintenance by Contract	"	"	
	Total Head V	"	"	
VI	Unclassified Expenditure.			
	(1) Plantations	"	"	
	(2) Tools and Plant	° 1000	"	
	(3) Loss on Stores	50	"	
	Total Head VI	1050	"	
	Grand Total	46355	4186	

† Gang Consisting of

	Rs	As	P
1. Maistry	11.	..	.
6. Coolies at Rs 5/4	31.	8.	.
× Total Rs	42.	8.	.

Establishment

	Rs	As	P
4 Inspectors Assistants at Rs 30/	120.	..	.
2. Night Watchmen Inspectors	56.	..	.
1. Timekeeper	12.	..	.
1. Inspectors Writers	25.	..	.
3. do at Rs 15/	45.	..	.
3. Section Maistries at 20/	60.	..	.
6. Store Watchmen at 7/	42.	..	.
1. Carpenter Maistry	30.	..	.
1. Carpenter	23.	..	.
1. do	22.	..	.
2. do at Rs 20/	40.	..	.
1. do	15.	..	.
3 Blacksmiths at Rs 20/	60.	..	.
1. do	16.	..	.
3 Hammermen at Rs 8/	24.	..	.
1 do	6.	8.	.
3 Bellows Boys at Rs 6/	18.	..	.
1. do	4.	..	.
1. Painter	20.	..	.
3. Store Coolies at Rs 6/	18.	..	.
2. Engineers Peons at 7/	14.	..	.
1. Office Boy	7.	..	.
154 Watchmen at Rs 6/	924.	..	.
23. do at 7/	161.	..	.
※ Total Rupees	1762.	8.	.

※ General Repairs including Painting of Girders Rs 5000/ Protective work to Bridges Rs 4186/

° Includes Repairs of Ballast Wagons.

Madras Railway,
Chief Engineers Office.
21st October 1872

Chief Engineer.

Madras Railway

Sanctioned Estimate for Maintenance.

Half year ending 31st December, 1872.

3rd Division N. W. Line - From Gondacal to Raichore including Bellary Branch

Miles Maintained	Departmentally	By Contract	Total	Total
Main Line { Double	"	"	"	
Main Line { Single	108	"	108	
Sidings	10½			
		Total	108	

Head	Description of Works	Ordinary	Extra-ordinary	Remarks
	Maintenance Permanent Way			1 Gang Consisting of
	(1) Wages.			
	64 Gangs — at Rs 61 × 6	23,424	"	1. Maistry — 13. .. ..
	8. Lorrymen at Rs 7 × 6	336	"	8. Coolies — at Rs 6/ — 48. .. ..
	* Establishment at Rs 1791 × 6	10,746	"	× Total Rs — 61. .. ..
II	(2) Materials.			Establishment. Rs as P
	Ballast	"	"	1. Sub Inspector — 50. .. .
	Rails	500	"	3. Inspectors Assistants — at Rs 30/ — 90. .. .
	Sleepers	1,500	"	4. Inspectors Writers — at .. 20/ — 80. .. .
	Total Head II	36,506	"	8. Serjeant Maistries — at .. 18/ — 144. .. .
				12. Fire Watchers — at .. 7/ — 84. .. .
	Repairs. Wages & Materials			1. Carpenter — 30. .. .
III	(1) Bridges and Culverts	1,000	"	3. do — at Rs 20/ — 60. .. .
	(1) Tunnels	"	"	4. do — at .. 15/ — 60. .. .
	(2) Earthwork	1500	"	4. Smiths — at .. 15/ — 60. .. .
	(2) Fences	500	"	7. Hammermen — at .. 8/ — 56. .. .
	(2) Roads and Level Crossings	400	"	7. Bellows Boys — at .. 5/ — 35. .. .
	(2) Miscellaneous	100	"	13. Coolies — at .. 6/ — 78. .. .
	Total Head III	3,500	"	106. Watchmen — at .. 7.8 .. 795. .. .
				2. Serjeants — at .. 25/ — 150. .. .
	Repairs. Wages & Materials.			1. Painter — 20. .. .
IV	(1) Station buildings, Yards	1,000	"	1. Blacksmith — 26. .. .
	(1) Signals, Gate Lodges &c	150	"	1. do — 25. .. .
	(2) Staff Quarters	500	"	1. do — 20. .. .
	Total Head IV	1,650	"	2. Engineers Lascars — at Rs 7/ — 114. .. .
				2. Gun Lascars — at .. 7/ — 114. .. .
V	Maintenance by Contract	"	"	* Total Repairs, 1791. .. .
	Total Head V	"	"	
	Unclassified Expenditure.			
VI	(1) Plantations	"	"	
	(2) Tools and Plant	* 3000	"	* Includes repairs of Ballast Wagons.
	(3) Loss on Stores	50	"	
	Total Head VI	3,050	"	
	Grand Total	44,706	"	

Madras Railway,
Chief Engineer's Office, 24th October, 1872.

Mansfield Anderson.
Chief Engineer.

P.W. 567/72.
Rec. 11th Dec. 72 in R.K.

27e

Railway Department.

CONSULTING ENGINEER'S OFFICE,

No. 625.

From

LIEUT.-COLONEL J. H. M. SHAW STEWART, R.E.,
Consulting Engineer for Railways,

To

COLONEL G. W. WALKER, R.E.,
Secretary to Government,
Public Works Department,
Fort Saint George.

SIR,

With reference to G.O.
No. 1365, dated 31st May 1872, I
have the honour to submit for the
half-year ending the 31st December
1872 lists of maintenance sanctions
in force on the Madras Railway as
regards the Engineering and
Locomotive departments.

2. In the 2nd Division
North-West line the expenditure
shown is from Cuddapah to Goondamb,

miles 1/2, but of this, a portion
viz: from Goot to Goondacul 15½
miles, will be chargeable to Capitab
up to the 11th December 1872. The
whole of the 3rd Division is
chargeable to Capitab.

I have the honour to be
Sir
Your most obedient Servant
Lieut Col RE

Madras 16th Nov 1872
Ex/3.87
CB

Com: Engineer Jo Railways

P. W. 1872 Despatch

RAILWAY DEPARTMENT.

1872.

From No. 5671.

The Consulting Engineer
for Railways,

To

The Secretary to Government,
P. W. Department,
Fort Saint George.

Dated 16th Nov 4 1872.
Recd. 18

No. 625.
Guelo: 17

Submitting with observations list of maintenance sanctions up to 31st Oct 72.

No. 2928-2929-11 Dap
with an order

Ordered that the list submitted with this letter be forwarded to the Govt of India with reference to their Pro: of 10 May 1872. No. 656 A.C.

Copy to Govt of India. 2929 dated 23/11/72.

Copy of the above forwarded to the Govt of India. 2928 dated 23/11/72.

5571

[illegible] St. John's.

PUBLIC WORKS.

Encl. VI

11th Decr 1872 2928-
2929.

Nos. 227-228

Railway. Spring

[illegible] from the Collector
[illegible] Submitting bills
[illegible] Quarantine Sanitaries
[illegible] Northern Railway
[illegible] half Year ending
[illegible] Decr. 72.

Transmitting bills
of Maintenance Sani-
taries for work
on Northern Railway
for the half Year.
Sundries 31st Decr 72