

RAILWAY BRANCH.

G.O., No. 791. R.

DATED 23rd Nov: 1895

[Despatch Abstract.]

Madras - Ennore Section of the Bezarada
Madras Railway. - Government of India letter
Sanctioning the re-appropriation of Rs 5000 from
the head "II Land" to "III General Charges (2)
Engineering in the Construction Estimate of the - Com-
municated to the agent, Madras Railway.

BACK PAPERS.

BACK PAPERS.							
G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.
	6312-R		30-9-95				

FURTHER PAPERS.

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

BEZWADA-MADRAS RAILWAY.
MADRAS-ENNUR SECTION.

Main Line from Mile 1'17 to Mile 9'09.
North Branch Line „ 0'10 to „ 0'82.

ESTIMATES.

TABLE OF CONTENTS.

MADRAS-ENNUR SECTION.		PAGE.
General Abstract	1	
Abstract Estimates—		
I.—Preliminary Expenses—		
(1) Survey Expenses	2	
(2) Plant	2	
II.—Land	3	
III.—Formation—		
(1) Earthwork	4	
IV.—Bridgework—		
(2) Minor Bridges	5	
V.—Fencing, etc.—		
(1) Fencing	6	
(2) Road Crossings	6	
(3) Mile and Gradient Posts	6	
VII.—Ballast and Permanent Way—		
(1) Ballast	7	
(2) Permanent Way	7	
VIII.—Stations and Buildings—		
(1) Stations and Offices	8	
(3) Staff Quarters	8	
(4) Station Machinery	9	
IX.—Plant—		
(1) Engineering	10	
(4) Station and Office Furniture	11	
XII.—General Charges—		
(1) Direction	12	
(2) Engineering	12	
(3) Stores	12	
(4) Audit	12	
List of Articles Required from England	13	
Particulars of Cost—		
I.—(1) Survey Expenses—		
One Mile of Survey	14	
I.—(2) Plant—		
One Mile of Survey	14	
IV.—(2) Minor Bridges—		
Bridges Nos. 1 to 9	15	
Do. „ 10 to 25	16	
Do. „ 27 to 36	17	
Do. „ 38 to 41	19	
V.—(1) Fencing—		
One mile of Fencing	19	
V.—(2) Road Crossings—		
Road Crossing with 18' gates	19	
Do. do. with 12' gates	20	
VII.—(1) Ballast—		
One mile of Ballast	20	
VII.—(2) Permanent Way—		
One mile of Road—weight of material	21	
One mile of Road—cost	22	
VIII.—(1) Stations and Offices—		
Station Building, small	22	
Station Building, Ennur	23	
Passenger Platform 40' wide	23	
Passenger Platform 20' wide	23	
Goods Platform	24	
Sundry Works	24	
VIII.—(3) Staff Quarters—		
Sundry Works	24	
VIII.—(4) Station Machinery—		
Engine Turntable	25	
Station Signal	25	
Distant Signal	25	
Points and Crossings, one set	26	
Buffer Stop and Scotch Block	26	
Weighing Machines and Dating Press	27	
Well at Ennur	27	
Pump at Ennur	28	
Tank at Ennur	28	
Ashpit at Ennur	29	
XII.—(1) Direction—		
Charges for one month	29	
XII.—(2) Engineering—		
Charges for one month	30	
XII.—(3) Stores—		
Charges for one month	30	
XII.—(4) Audit—		
Charges for one month	30	

BEZWADA-MADEAS RAILWAY. (gauge 5' 6".)
MADRAS-ENNUR SECTION.

I. Preliminary Expenses.
Particulars, Page 14.

(1) Survey Expenses.

ABSTRACT ESTIMATE.

Item.	Quantity.	Rate.	Per	Amount.
		Rs. A.		Rs.
Miles	8.44	252 10	Mile.	2,132
Total ...				2,132

I. Preliminary Expenses.
Particulars, Page 14.

(2) Plant.

ABSTRACT ESTIMATE.

Item.	Quantity.	Rate.	Per	Amount.
		Rs. A.		Rs.
Miles	8.44	17 12	Mile.	150
Total ...				150

BEZWADA-MADRAS RAILWAY. (gauge 5' 6".)
MADRAS-ENNUR SECTION.

II.—Land.

ABSTRACT ESTIMATE.

Description.	Area.	Average Rate.	Amount.	Total.
	Acres.	Rs.	Rs.	Rs.
<i>Madras City.</i>				
Building Land	0.33	1,536	507	
Waste or Government Land	7.87½	...	...	
Wet Cultivation	44.40	1,101	48,883	
Garden	7.70	800	6,160	
Total ...	60.30½	921.18	...	55,550
<i>Satankadu.</i>				
Wet Cultivation	8.95	900	8,055	
Garden	4.78	800	3,824	
Total ...	13.73	865.18	...	11,879
<i>Tiruvattiyur.</i>				
Wet Cultivation	12.08	294.38	3,556	
Garden	21.33	800	17,064	
Casuarina Plantation	12.53	120	1,503	
Total ...	45.94	481.56	...	22,123
<i>Eranarur.</i>				
Waste	30.76	...	...	
Casuarina plantation	28.65	120	3,438	
Total ...	59.41	57.87	...	3,438
<i>Kattivakkam.</i>				
Waste	43.39	...	...	
Garden	1.88	800	1,504	
Casuarina plantation	8.38	120	1,006	
Building site	6.00	1,584	9,500	
Total ...	59.65	201.34	...	12,010
Grand Total ...	239.03½	439.27	...	1,05,000

4

BEZWADA-MADRAS RAILWAY. (gauge 5' 6")
MADRAS-ENNUR SECTION.

III. Formation

(1) Earthwork.

ABSTRACT ESTIMATE.

Item.	Quantity.	Rate.	Per.	Amount.	Total.
		Rs.		Rs.	Rs.
Banks					
Main line 61½ chs. to 480 chs. cu. ft.	4,299,000	5	1,000	21,495	...
Branch line 5½ chs. to 33½ chs. cu. ft.	623,000	5	"	3,115	...
Total Banks.	...	...	...		24,610
Pitching, rough ... cu. ft.	14,400	10	100	...	1,440
Clearing line ... miles.	9	200	mile.	...	1,800
Road diversion ... chains	16	290	chain.	...	4,640
					32,490
Contingencies ...	...	5	cent.	...	1,624
Total ...	...	...	...	...	34,114

5

BEZWADA-MADRAS RAILWAY. (gauge 5' 6")
MADRAS-ENNUR SECTION.

IV. Bridge Work.

Particulars, Pages 15, 16, 17 and 18.

(2) Minor Bridges.

ABSTRACT ESTIMATE.

No.	Chains.	Spans		Kind.	Amount.			Remarks.
		No.	Length		English.	Indian.	Total.	
					Rs.	Rs.	Rs.	
1	15	1	3'	Rail Girder.	Nil.	1,599	1,599	
3	26	1	6'	do.	"	1,658	1,658	
5	70	1	3'	do.	"	1,175	1,175	
6	72-5	1	3'	do.	"	1,124	1,124	
8	93	1	3'	do.	"	1,175	1,175	
9	108-75	1	6'	do.	"	1,401	1,401	
10	116	1	6'	do.	"	1,401	1,401	
11	122	1	3'	do.	"	1,125	1,125	
15	135	1	3'	do.	"	1,175	1,175	
20	156	1	3	do.	"	1,269	1,269	
21	162	1	6'	do.	"	1,533	1,533	
25	177	1	3'	do.	"	1,269	1,269	
27	182	1	3'	do.	"	1,269	1,269	
29	190	1	3'	do.	"	1,157	1,157	
32	198	1	3'	do.	"	1,215	1,215	
33	202	1	3'	do.	"	1,215	1,215	
35	210	1	3'	do.	"	1,215	1,215	
36	222	1	6'	do.	"	1,082	1,082	
38	245	1	3'	do.	"	1,672	1,672	
39	251	1	3'	do.	"	1,062	1,062	
41	265	1	6'	do.	"	1,716	1,716	
...	...	18	18"	Cement Pipes.	"	3,942	3,942	
Total...					...	31,449	31,449	

BEZWADA-MADRAS RAILWAY. (gauge 5' 6".)
MADRAS-ENNUR SECTION.

V. Fencing, etc.

(1) Fencing.

Particulars, Page 19.

ABSTRACT ESTIMATE.

Item.	Quantity.	Rate.	Per.	Amount.
		Rs.		Rs.
Wire Fencing—				
ENGLISH CHARGES ... Miles.	18	463	Mile.	8,334
INDIAN CHARGES ... "	18	994	"	17,892
Total...	18	1,457		26,226

V. Fencing, etc.

(2) Road Crossings.

Particulars, Pages 19 and 20.

ABSTRACT ESTIMATE.

Item.	Quantity.	Rate.	Per.	Amount.
		Rs.		Rs.
Road Crossings with 18' gates ...	4	762	each.	3,048
Road Crossings with 12' gates ...	18	615	"	11,070
Stiles 4 feet ...	20	25	"	500
Total...				14,618

V. Fencing, etc.

(3) Mile and Gradient Posts.

ABSTRACT ESTIMATE.

Item.	Quantity.	Rate.	Per.	Amount.
		Rs. A.		Rs.
Mile Posts ...	20	4 0	each.	80
Grade Posts ...	20	5 0	"	100
Numbering Telegraph Posts ...	240	0 8	"	120
Total...				300

BEZWADA-MADRAS RAILWAY. (gauge 5' 6".)

MADRAS-ENNUR SECTION.

VII. Ballast and Permanent Way.

(1) Ballast.

Particulars, Page 20.

ABSTRACT ESTIMATE.

Item.	Quantity.		Rate.	Per.	Amount.
	Feet.	Miles.	Rs.		Rs.
Main Line ...	41,825				
Branch, Rayapuram, North ...	2,775				
Total through lines ...	44,600	8.44	3,204	Mile.	27,042
Sidings—					
Tiruvattiyur ...	3,150				
Ennur ...	5,820				
Total Sidings ...	8,970	1.70	3,204	Mile.	5,447
Total ...		10.14	3,204	"	32,489

VII. Ballast and Permanent Way.

(2) Permanent Way.

Particulars, Page 22.

ABSTRACT ESTIMATE.

Item.	Quantity.	Rate.	Per.	Amount.
		Rs.		Rs.
ENGLISH CHARGES—				
Through Lines ... Miles...	8.44			
Sidings ... "	1.70			
Total English charges ...	10.14	13,070	Mile.	1,32,530
INDIAN CHARGES ...	10.14	13,958	"	1,41,534
Total English and Indian ...	10.14	27,028	"	2,74,064

BEZWADA-MADRAS RAILWAY. (gauge 5' 6".)

MADRAS-ENNUR SECTION.
VIII. Stations and Buildings.
(1) Stations and Offices.
Particulars, Pages 22, 23 and 24.
ABSTRACT ESTIMATE.

	Korakpet.	Tandiyarpet.	Tiruvattur.	Ennavur.	Ennur.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Station Building ...	1,080	1,080	1,080	1,080	2,025	6,345
Platform, passenger ...	945	577	945	577	945	3,989
" goods ...	...	...	799	...	799	1,598
Fencing, platform ...	1,755	...	1,755	...	1,755	5,265
Latrines ...	140	140	140	140	140	700
Lamp Posts ...	156	104	156	104	156	676
Yard and Approaches ...	1,200	500	1,200	500	2,000	5,400
Pointsmen's Huts ...	40	...	80	...	80	200
Total...	5,316	2,401	6,155	2,401	7,900	24,173

VIII. Stations and Buildings.
(3) Staff Quarters.
Particulars, Page 24.
ABSTRACT ESTIMATE.

Item.	Korakpet.	Tandiyarpet.	Tiruvattur.	Ennavur.	Ennur.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Station Master ...	504	504	504	504	504	2,520
Menials, 5 units ...	...	...	...	...	1,080	1,080
" 3 " 	...	...	648	...	...	648
" 2 " 	432	432	...	432	432	1,728
" 1 " 	195	195	195	195	195	975
Running Room ...	...	...	...	...	3,024	3,024
Total...	1,131	1,131	1,347	1,131	5,235	9,975

BEZWADA-MADRAS RAILWAY.

(gauge 5' 6".)

MADRAS-ENNUR SECTION.
VIII. Stations and Buildings.
(4) Station Machinery.
Particulars, Pages 25 to 29.
ABSTRACT ESTIMATE.

Item.	Korakpet.	Tandiyarpet.	Tiruvattur.	Ennavur.	Ennur.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Engine Turntable ...	...	...	...	...	4,299	4,299
Signal, Station ...	300	300	1,240	300	620	2,760
Signals, Distant ...	450	...	900	...	450	1,800
Points and Crossings ...	517	...	2,063	...	3,619	6,204
Buffer Stops ...	...	...	...	...	80	80
Scotch Blocks ...	...	...	40	...	40	80
Weighing Machine, Goods ...	...	...	480	...	480	960
" " Parcels ...	370	370	...	370	...	1,110
Dating Press ...	74	74	74	74	74	370
Well ...	...	...	...	...	100	100
Pump ...	...	...	...	...	835	835
Tank ...	...	...	...	...	2,000	2,000
Ashpit ...	...	...	...	...	608	608
Total ...	1,711	744	4,802	744	13,205	21,206

BEZWADA-MADRAS RAILWAY.

(gauge 5' 6").

MADRAS-ENNUR SECTION.

IX. Plant.

(1) Engineering.

ABSTRACT ESTIMATE.

Item.	Quantity.	Rate.	Per.	Amount.
		Rs.		Rs.
Platelayer's Tools ...	4	350		1,400
Carpenter's „ ...	1	100		100
Blacksmiths' „ ...	1	80		80
Rivettters' „ ...	1	100		100
Anvils ...	1	100		100
Sledge Hammers ...	1	15		15
Swedge Blocks ...	2	45		90
Grindstone ...	1	40	each	40
Saws ...	2	5		10
Vice ...	2	30		60
Levels, spirit ...	6	2		12
Screw Jack ...	1	110		110
Augers ...	20	2		40
Trolly, Material ...	2	150		300
„ Riding ...	1	200		200
Small Tools ...	...	...	...	200
				2,857
Contingencies ...	...	5	Cent.	143
Total ...	...	...	...	3,000

BEZWADA-MADRAS RAILWAY.

(gauge 5' 6").

MADRAS-ENNUR SECTION.

IX. Plant.

(4) Station and Office Furniture

ABSTRACT ESTIMATE.

Item.	Rate.	Korupet.	Tanjaypur.	Tirunel.	Eraser.	Enur.	TOTAL.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Boards, Notice ...	10	60	...	60	...	60	180
Box, Record ...	15	15	15	15	15	15	75
„ Stationery ...	14	14	...	14	...	14	42
„ Ticket Stock ...	15	15	15	15	15	15	75
Bell ...	26	26	26	26	26	26	130
Bench, 8 ft. ...	40	80	40	80	40	160	400
„ 5 ft. ...	30	60	30	60	30	120	300
Chairs ...	4	8	8	8	8	24	56
Clock ...	70	70	70	70	70	70	350
Counter, Booking ...	50	50	50	50	50	50	250
„ Telegraph ...	50	50	50	50	50	50	250
Drum, Oil ...	25	25	...	25	...	25	75
Filter ...	20	20	...	20	...	20	60
Flags (sets) ...	3	9	6	9	6	18	48
Lamps, Hand Signal ...	10	30	20	30	20	60	160
„ Hanging ...	10	30	30	30	30	60	180
„ Platform ...	20	120	80	120	80	120	520
„ Table ...	10	10	10	10	10	20	60
„ Ticket Collector's ...	5	5	5	5	5	5	25
Padlocks, Hobbs' ...	5	5	...	25	...	35	65
Safe, Cash ...	150	150	150	150	150	150	750
Surai Stand ...	10	10	10	10	10	10	50
Table ...	20	20	20	40	20	60	160
Ticket Press ...	120	120	120	120	120	120	600
		1,002	755	1,042	755	1,307	4,861
Contingencies ...	5 p.c.	50	38	52	38	65	243
Total ...		1,052	793	1,094	793	1,372	5,104

BEZWADA-MADRAS RAILWAY. (gauge 5' 6")**MADRAS-ENNUR SECTION.****XII General Charges.**

- (1) Direction.
 (2) Engineering.
 (3) Stores.
 (4) Audit.

Particulars, Pages 29 and 30.

ABSTRACT ESTIMATE.

Estimated time of construction 10 months.					Total rate per month.	Salaries.	Office Expenses.	Total.
Direction	...	...	...	...	360	3,000	600	3,600
Engineering	...	...	...	...	825	7,750	500	8,250
Stores	...	...	...	...	115	900	250	1,150
Audit	...	...	...	...	300	1,250	1,750	3,000
Total...					1,600	...	...	16,000

BEZWADA-MADRAS RAILWAY.
MADRAS-ENNUR SECTION.

(gauge 5' 6")

(8.44 Miles.)

Form E. III.

List of articles required from England.

Description.	Quantity.	English Cost.			Rate of exchange.	English cost in Rupees.	Indian charges.	Total.	Date by which delivery is required.
		F. O. B.	Freight.	Total.					
Fencing (wire and bolts only)	18 miles.	£.	£.	£.	or 17½ Rupees per £.	Rs.	Rs.	Rs.	1st May ... 1895.
Per. Way (for wooden sleepers)	10.14 "	430	46	476	1s.—1½d.	8,334	17,692	26,226	
Station Machinery	...	6,657	916	7,573		1,92,530	1,41,534	2,74,064	Do.
	...	307	37	344		6,014	2,260	8,274	Do.
Total...	...	7,354	999	8,393		1,46,878	1,61,686	3,08,564	

BEZWADA-MADRAS RAILWAY.

(gauge 5' 6").

MADRAS-ENNUR SECTION.**I. PRELIMINARY EXPENSES.****ONE MILE OF SURVEY.****(1) SURVEY EXPENSES.****PARTICULARS OF COST.**

Item.	Quantity.	Rate.	Per.	Amount.	Total.
Field expenses—		Rs. A.		Rs. A.	Rs. A.
Pegs, large ...	12	0 4	each.	3 0	
" common ...	96	0 1	"	6 0	
Pillars and Bench Marks ...	12	4 0	"	48 0	
Trench ...	60	0 4	chain.	15 0	
Small Stores, etc. ...	...	...	...	6 10	
Khallassis ...	...	...	...	24 0	
Compensation for damage ...	...	...	...	100 0	
Total ...	...	...	...	...	202 10
Office expenses—					
Estimated rate ...	...	...	...	...	50 0
Total cost per mile ...	...	...	...	...	252 10

I. PRELIMINARY EXPENSES.**ONE MILE OF SURVEY.****(2) PLANT.****PARTICULARS OF COST.**

Item.	Amount.
Preliminary expenses.—	Rs. A.
Cost per mile.	17 12

BEZWADA-MADRAS RAILWAY.

(Gauge 5' 6").

MADRAS-ENNUR SECTION.**IV. BRIDGEWORK.****(2) MINOR BRIDGES.****PARTICULARS OF COST.**

Item.	Rate.	Per.	No. 1, 15 chains.		No. 3, 25 chains.		No. 5, 70 chains.		No. 6, 72.5 chains.		No. 8, 93 chains.		No. 9, 108.75 chains.	
			Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.
<i>Indian Charges.</i>														
Rail girders ...	A	Span.	1	68	1	80	1	68	1	68	1	68	1	80
Excavation and Filling ...	25	1000	2750	68	3850	96	4	58	2300	57	58	2800	70	2800
Concrete ...	16	100	1645	263	1653	264	7	225	1350	216	225	1450	232	1450
Concrete ...	20	100	...	...	...	...	...	...	...	...	...	...	...	...
Masonry ...	11	100	2214	243	8	244	8	168	1400	154	168	1900	209	1900
Masonry ...	13½	100	...	...	...	...	...	...	...	...	...	...	...	...
Slabs ...	60	100	...	...	...	...	...	...	...	...	...	...	...	...
Coping ...	100	100	150	120	120	120	50	50	50	50	50	100	100	100
Stock Bricks ...	16	1000	34,000	544	634,000	544	624,000	384	623,000	368	384	629,000	464	629,000
Cement Barrels ...	7½	1	27	105	29	210	4	143	19	137	145	22	139	22
Sheds, &c. ...	20	1	1	20	1	20	1	20	1	20	20	1	20	20
Cement Pipes ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Contingencies ...	...	Cent.	...	1,523	...	1,579	...	1,119	...	1,071	1,119	...	1,334	...
Total Indian ...	...	...	...	75	...	78	...	55	...	52	55	...	66	...
	...	...	...	1,599	...	1,658	...	1,175	...	1,124	1,175	...	1,401	...

IV. BRIDGEWORK.

BEZWADA-MADRAS RAILWAY.
MADRAS-ENNUR SECTION.

(Gauge 5' 6".)

(2) Minor Bridges.—(Continued.)

PARTICULARS OF COST.

Item.	Rate.	Per.	No. 10, 116 chains.		No. 11, 124 chains.		No. 16, 135 chains.		No. 20, 156 chains.		No. 21, 169 chains.		No. 25, 177 chains.	
			8' Rail girder.		8' Rail girder.		8' Rail girder.		8' Rail girder.		8' Rail girder.		8' Rail girder.	
			Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.
<i>Indian Charges.</i>														
Rail girders ...	A	Span	1	80 0 0	1	68 0 0	1	68 0 0	1	68 0 0	1	80 0 0	1	80 0 0
Excavation and Filling ...	25	1000	2800	70 0 0	2300	58 12 0	2380	29 6 0	2380	29 6 0	3300	82 6 0	2390	85 8 0
Concrete ...	16	100	1450	238 0 0	1350	216 0 0	1410	225 0 7	1480	236 12 10	1600	240 0 0	1480	236 12 10
Concrete ...	20	100	...	...	...	...	...	...	...	...	...	...	...	...
Masonry ...	11	100	1900	209 0 0	1440	184 0 0	1530	168 4 10	...	...	...	...	...	...
Masonry ...	13½	100	...	...	...	...	...	...	...	...	...	...	...	...
Slabs ...	60	100	...	...	...	...	...	...	...	...	...	...	...	...
Coping ...	100	100	100	100 0 0	50	50 0 0	50	50 0 0	...	...	...	...	...	...
Stock Bricks ...	16	1000	22,000	464 0 0	22,000	363 0 0	24,000	384 0 0	24,000	384 0 0	24,000	436 0 0	24,000	436 0 0
Cement Barrels ...	7½	1	22	159 8 0	12	137 12 0	20	145 0 0	22	159 8 0	22	159 8 0	22	159 8 0
Sheds, &c. ...	20	1	1	20 0 0	1	20 0 0	1	20 0 0	1	20 0 0	1	20 0 0	1	20 0 0
Cement Pipes ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Contingencies ...	5	Cent.	...	...	...	...	...	...	...	...	...	...	...	...
Total Indian ...	...	...	1,534 8 0	...	1,071 4 0	...	1,110 10 2	...	1,208 12 10	...	1,450 0 0	...	1,559 12 10	...
	...	...	66 8 0	...	83 12 0	...	85 0 0	...	80 0 0	...	72 12 0	...	60 0 0	...
	...	...	1,401 0 0	...	1,155 4 0	...	1,195 0 0	...	1,288 0 0	...	1,522 0 0	...	1,619 0 0	...

IV. BRIDGEWORK.

BEZWADA-MADRAS RAILWAY.

(Gauge 5' 6".)

MADRAS-ENNUR SECTION.

(2) Minor Bridges.—(Continued.)

PARTICULARS OF COST.

Item.	Rate.	Per.	No. 27, 152 chains.		No. 29, 190 chains.		No. 32, 198 chains.		No. 33, 202 chains.		No. 35, 210 chains.		No. 36, 222 chains.	
			8' Rail girder.		8' Rail girder.		8' Rail girder.		8' Rail girder.		8' Rail girder.		8' Rail girder.	
			Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.
<i>Indian Charges.</i>														
Rail girders ...	A	Span	1	68 0 0	1	68 0 0	1	68 0 0	1	68 0 0	1	68 0 0	1	80 0 0
Excavation and Filling ...	25	1000	2380	59 8 0	2350	58 12 0	2350	58 12 0	2350	58 12 0	2350	58 12 0	2000	50 0 0
Concrete ...	16	100	1480	236 12 10	1300	208 0 0	1410	222 0 7	1410	225 0 7	1410	225 0 7	1280	204 12 10
Concrete ...	20	100	...	...	...	...	...	...	...	...	...	...	...	...
Masonry ...	11	100	...	...	...	...	...	...	...	...	...	...	...	...
Masonry ...	13½	100	1600	216 0 0	1420	191 11 2	1530	206 6 10	1530	206 6 10	1530	206 6 10	1320	178 3 2
Slabs ...	60	100	...	...	...	...	...	...	...	...	...	...	...	...
Coping ...	100	100	65	65 0 0	50	50 0 0	50	50 0 0	50	50 0 0	50	50 0 0	40	40 0 0
Stock Bricks ...	16	1000	24,000	884 0 0	23,000	368 0 0	24,000	384 0 0	24,000	384 0 0	24,000	384 0 0	20,000	320 0 0
Cement Barrels ...	7½	1	22	159 8 0	19	137 12 0	20	145 0 0	20	145 0 0	20	145 0 0	19	137 12 0
Sheds, &c. ...	20	1	1	20 0 0	1	20 0 0	1	20 0 0	1	20 0 0	1	20 0 0	1	20 0 0
Cement Pipes ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Contingencies ...	5	Cent.	...	...	...	...	...	...	...	...	...	...	...	...
Total Indian ...	...	...	1,208 12 10	...	1,102 3 2	...	1,157 14 5	...	1,157 14 5	...	1,157 14 5	...	1,030 12 0	...
	...	...	60 8 0	...	84 12 10	...	87 1 7	...	87 1 7	...	87 1 7	...	81 4 0	...
	...	...	1,269 0 0	...	1,187 0 0	...	1,245 0 0	...	1,245 0 0	...	1,245 0 0	...	1,111 0 0	...

IV. BRIDGEWORK.

BEZWADA-MADRAS RAILWAY.
MADRAS-ENNUR SECTION.

(Gauge 5' 6".)

(2) MINOR BRIDGES—(Concluded.)

PARTICULARS OF COST.

PARTICULARS OF COST.																	
Item.	Rate.	Per.	No. 38, 245 chains.		No. 39, 251 chains.		No. 41, 265 chains.		One Irrigation 18" channel cement Pipe.		Irrigation channel.		Total Minor Bridges.				
			3' Rail girder.	Quantity.	3' Rail girder.	Quantity.	8' Rail girder.	Quantity.	Quantity.	Cost.	Quantity.	Cost.					
Indian Charges.																	
Rail girders ...	A	Span.	Rs.	A. P.	Rs.	A. P.	Rs.	A. P.	Rs.	A. P.	Rs.	A. P.	A. P.				
Excavation and Filling ...	25	1000	68	0 0	1	68	0 0	1	80	0 0	1	62	8 0	18	945	0 0	
Concrete ...	16	100	68	12 0	2000	50	0 0	3850	96	4 0	...	...	...	...	...	...	
Concrete ...	20	100	263	3 2	1250	200	0 0	1653	264	7 8	40	6	6 5	720	115	3 6	
Masonry ...	11	100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Masonry ...	13½	100	298	14 3	1300	175	8 0	2220	299	11 2	110	14	13 7	1980	267	4 0	
Slabs ...	60	100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Coping ...	100	100	120	0 0	40	40	0 0	120	120	0 0	...	...	...	...	...	...	
Stock Bricks ...	16	1000	544	0 0	20,000	320	0 0	34,000	544	0 0	...	...	...	...	...	...	
Cement Barrels ...	7½	1	29	210	4 0	19	137	12 0	29	210	4 0	...	...	...	...	...	
Sheds, &c. ...	20	1	1	20	0 0	1	20	0 0	1	20	0 0	...	...	...	...	...	
Cement Pipes...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Contingencies...	5	Cent.	1,593	1 5	...	1,011	4 0	...	1,634	10 10	...	30	135	840	2,430	0 0	
Total Indian ...	...	...	1,672	0 0	...	1,062	0 0	...	1,716	0 0	...	219	10	4 0	184	8 0	
															3,942	0 0	
																81,449	0 0

BEZWADA-MADRAS RAILWAY. (gauge 5' 6".)

MADRAS-ENNUR SECTION.

V. FENCING, ETC.

(1) FENCING.

ONE MILE OF FENCING WITH SPLIT RAIL STANDARDS
AND 3 STRANDS WIRE.

PARTICULARS OF COST.

Item.	Quantity.	Rate.	Per.	Amount.	Total.
		Rs. A. P.		Rs.	Rs.
ENGLISH CHARGES.					
Bolts, Straining ...	90	0 5 6	Each.	31	
Bolts, eye ...	90	0 2 3	"	13	
Wire, 3 Strands ... Tons...	1.42	295 0 0	"	419	
Total English...	...	...	...	463	463
INDIAN CHARGES.					
Posts, Standards ...	425	1 12 0	Each.	744	
Do. Straining ...	19	3 8 0	"	67	
Erecting ...	1	100 0 0	"	100	
Carriage ... Tons...	18½	0 12 0	"	14	
Contingencies on Rs. 1,338...	...	5	Cent.	69	
Total Indian...	...	...	...	925	994
Total English and Indian...	...	...	...	...	1,457

V. FENCING, ETC.

(2) ROAD CROSSINGS.

ROAD CROSSING WITH 16' GATES.

PARTICULARS OF COST.

Item.	Quantity.	Rate.	Per.	Amount.
		Rs. A.		Rs.
Approaches—				
Earthwork ... cu. ft....	22,000	5 0	1,000	110
Metalling ... "	2,800	9 0	100	252
Hut ...	1	60 0	Each	60
Gates, (18' single) ...	2	120 0	Pair	240
Guard rails 20 feet ...	2	21 0	Each	42
Sleepers ...	4	5 8	"	22
Contingencies ...	...	5	Cent.	726
Total...	...	...	...	36
				762

BEZWADA-MADRAS RAILWAY. (gauge 5' 6".)
MADRAS-ENNUR SECTION.

VII. BALLAST AND PERMANENT WAY.

(2) PERMANENT WAY.

ONE MILE OF PERMANENT WAY.

PARTICULARS OF COST.

Item	Quantity.	Rate.	Per.	Amount.	Total.
ENGLISH CHARGES.		Rs.			
<i>Materials—</i>					
Rails	118.40	92	Ton.	10,893	
Fish plates	4.66	113	"	527	
Fish bolts	1.72	290	"	499	
Bearing plates	2.25	176	"	396	
Spikes	3.12	242	"	755	
Total English	...	...	...	13,070	13,070
INDIAN CHARGES.		Rs. A.			
Sleepers	1,950	5 8	each.	10,725	
(Total Materials at port)...	...	...	...	(23,795)	
<i>Placing in road—</i>					
Handling	325	1 0	Ton	325	
Carriage, average lead 8 miles (@ 1/4 anna per ton, mile)	325	0 4	"	81	
Laying	1,760	0 12	yard	1,320	
Maintaining	1	220 0	mile.	220	
(Total placing in road)...	...	...	...	(1,916)	
Contingencies on Rs. 25,741	...	5	cent.	1,287	
Total Indian	...	...	...	...	13,958
Total English and Indian	...	...	...	...	27,028

VIII. STATIONS AND BUILDINGS.

(1) STATIONS AND OFFICES.

STATION BUILDING, SMALL.

PARTICULARS OF COST.

Item.	Quantity.	Rate.	Per.	Amount.
Square feet of Area	864	Rs. A. 1 4	sq. ft.	Rs. 1,080
Total	...	...	...	1,080

BEZWADA-MADRAS RAILWAY. (gauge 5' 6".)
MADRAS-ENNUR SECTION.

VIII. STATIONS AND BUILDINGS.

(1) STATIONS AND OFFICES.

STATION BUILDING, ENNUR.

PARTICULARS OF COST.

Item.	Quantity.	Rate.	Per.	Amount.
Square feet of Area	1,620	Rs. A. 1 4	sq. ft.	Rs. 2,025
Total	...	...	...	2,025

VIII. STATIONS AND BUILDINGS.

(1) STATIONS AND OFFICES.

PASSENGER PLATFORM 40' WIDE.

PARTICULARS OF COST.

Item.	Quantity.	Rate.	Per.	Amount.
Earthwork	120,000	Rs. 5	1,000	Rs. 600
Muram, spread	7,500	4	100	300
Contingencies	...	5	cent.	45
Total	...	...	...	945

VIII. STATIONS AND BUILDINGS.

(1) STATIONS AND OFFICES.

PASSENGER PLATFORM 20' WIDE.

PARTICULARS OF COST.

Item.	Quantity.	Rate.	Per.	Amount.
Earthwork	70,000	Rs. 5	1,000	Rs. 350
Muram, spread	5,000	4	100	200
Contingencies	...	5	cent.	27
Total	...	...	...	577

BEZWADA-MADRAS RAILWAY. (gauge 5' 6".)
MADRAS-ENNUR SECTION.

VIII. STATIONS AND BUILDINGS.

(1) STATIONS AND OFFICES.

GOODS PLATFORM.
PARTICULARS OF COST.

Item.	Quantity.	Rate.	Per.	Amount.
		Rs.		Rs.
Wall (brick in clay) cu. ft. ...	1,320	14	100	185
Earthwork " ...	96,000	5	1,000	480
Muram, spread " ...	2,400	4	100	96
				761
Contingencies 5 cent.				38
Total				799

VIII. STATIONS AND BUILDINGS.

(1) STATIONS AND OFFICES.

SUNDRY WORKS.
PARTICULARS OF COST.

Item.	Quantity.	Rate.	Per.	Amount.
		Rs. A.		Rs.
Platform fence—one station lin. ft. ...	720	2 7	lin. ft.	1,755
Lamp Post each.				26
Lutrine each.				140
Yard and Approaches—				
Flag Station				500
Crossing Station				1,200
Ennur Station				2,000
Pointsman's huts each.				40

VIII. STATIONS AND BUILDINGS.

(3) STAFF QUARTERS.

SUNDRY WORKS.
PARTICULARS OF COST.

Item.	Quantity.	Rate.	Per.	Amount.
		Rs. A.		Rs.
Station Master sq. ft. of area ...	238	1 12	sq. ft.	504
Menials, one unit " ...	130	1 8	"	195
" two units " ...	238	1 8	"	432
" three " " ...	432	1 8	"	648
" five " " ...	720	1 8	"	1,080
Running Room " ...	864	1 12	"	1,512

BEZWADA-MADRAS RAILWAY. (gauge 5' 6".)
MADRAS-ENNUR SECTION.

VIII. STATIONS AND BUILDINGS.

(4) STATION MACHINERY.

ENGINE TURNABLE.
PARTICULARS OF COST.

Item.	Quantity.	Rate.	Per.	Amount.
		Rs.		Rs. A. P.
Excavation cu. ft. ...	8,748	7	1,000	61 3 9
Masonry " ...	2,592	30	100	777 9 7
Drain to carry off water lin. ft. ...	120	2	...	240 0 0
Cost of fixing Engine Turntable				290 0 0
Cost of Turntables (3rd price)				2,550 0 0
Removing Turntable				100 0 0
Carriage from Adoni to Ennur tons ...	20	8-4-6	...	165 10 0
Contingencies 5 cent.				4,094 7 4
				204 8 8
Total				4,299 0 0

VIII. STATIONS AND BUILDINGS.

(4) STATION MACHINERY.

STATION SIGNAL.
PARTICULARS OF COST.

Item.	Quantity.	Rate.	Per.	Amount.	Total.
					Rs.
Bracket Semaphore complete erected ...	...	...	...	...	620
Two arm Home signal	...	...	...	...	300

VIII. STATIONS AND BUILDINGS.

(4) STATION MACHINERY.

DISTANT SIGNAL.
PARTICULARS OF COST.

Item.	Quantity.	Rate.	Per.	Amount.	Total.
Distant signal complete erected ...	...	...	...	...	450

BEZWADA-MADRAS RAILWAY. (gauge 5' 6".)**MADRAS-ENNUR SECTION.****VIII. STATIONS AND BUILDINGS.****(4) STATION MACHINERY.****POINTS AND CROSSINGS, ONE SET.****PARTICULARS OF COST.**

Item.	Quantity.	Rate.	Per	Amount.	Total.
		Rs. A.		Rs.	Rs.
ENGLISH CHARGES.					
Crossing steel	...	...	...	143	
Switches 15 feet	...	...	...	194	
Total English	...	...	...	...	337
INDIAN CHARGES.					
Carriage, handling, fixing	...	...	...	60	
Timber cu. ft...	38	2 8	cu. ft.	95	
Contingencies on Rs. 492	...	5	cent.	155 25	
Total Indian	...	...	...	...	180
Total English and Indian	...	...	...	...	517

VIII. STATIONS AND BUILDINGS.**(4) STATION MACHINERY.****BUFFER STOP AND SCOTCH BLOCK.****PARTICULARS OF COST.**

Item.	Per	Amount.
		Rs.
Buffer stop	each	80
Scotch Block	"	20

BEZWADA-MADRAS RAILWAY. (gauge 5' 6".)**MADRAS-ENNUR SECTION.****VIII. STATIONS AND BUILDINGS.****(4) STATION MACHINERY.****WEIGHING MACHINES AND DATING PRESS.****PARTICULARS OF COST.**

Item.	Per	English.	Indian.	Total.
Weighing Machine, (22 cwts.)	each	460	20	480
" " (½ ton)	"	350	20	370
Dating Press	...	...	74	74

VIII. STATIONS AND BUILDINGS.**(4) STATION MACHINERY.****WELL AT ENNUR.****PARTICULARS OF COST.**

Item.	Quantity.	Rate.	Per	Amount.
		Rs. A.		
Raising parapet—				
Brickwork cu. ft.	300	25 0	100	75
Plastering sq. ft.	800	2 8	100	20
				95
Contingencies	...	5	cent.	5
Total	...	...	...	100

BEZWADA-MADRAS RAILWAY. (gauge 5' 6".)
MADRAS-ENNUR SECTION.

VIII. STATIONS AND BUILDINGS.

(4) STATION MACHINERY.

PUMP AT ENNUR.

PARTICULARS OF COST.

Item.	Quantity.	Rate.	Per	Amount.	Total.
		Rs.		Rs.	Rs.
Hand Pump	...	...	...	550	
Piping 100 feet	...	...	...	100	
Erecting and fitting	...	...	...	30	
Timber base	...	...	...	66	
Shed	...	...	...	50	
				796	
Contingencies	...	5	cent.	39	
Total	...	...	...	835	

VIII. STATIONS AND BUILDINGS.

(4) STATION MACHINERY.

TANK AT ENNUR.

PARTICULARS OF COST.

Item.	Quantity.	Rate.	Per	Amount.	Total.
				Rs.	Rs.
C. I. Tank on rail staging complete.	...	...	...	...	2,000
Total	...	...	...	...	2,000

BEZWADA-MADRAS RAILWAY. (gauge 5' 6".)
MADRAS-ENNUR SECTION.

VIII. STATIONS AND BUILDINGS.

(4) STATION MACHINERY.

ASH PIT AT ENNUR.

PARTICULARS OF COST.

Item.	Quantity.	Rate.	Per	Amount.
		Rs.		Rs.
Excavation cu. ft.	1,656	5	1,000	8
Concrete "	904	20	100	180
Brickwork "	437	25	100	109
Timber "	63	4	cu. ft.	252
Bolts	...	...	...	30
				579
Contingencies	...	5	cent.	29
Total	...	...	...	608

XII. GENERAL CHARGES.

(1) DIRECTION.

CHARGES FOR ONE MONTH.

PARTICULARS OF COST.

Item.	Amount.	Total.
	Rs.	Rs.
Salaries and Allowances	...	300
Office Expenses	...	60
Total	...	360

BEZWADA-MADRAS RAILWAY.
MADRAS-ENNUR SECTION.

(gauge 5' 6")

XII. GENERAL CHARGES.

(2) ENGINEERING.

CHARGES FOR ONE MONTH.
PARTICULARS OF COST.

Item.	Amount.	Total.
	Rs.	Rs.
Salaries and Allowances—		
Executive Engineer	...	350
Upper Subordinates	...	100
Office Staff	...	128
Petty and Menials	...	77
Allowances	...	120
Office Expenses	...	50
Total ...	...	825

XII. GENERAL CHARGES.

(3) STORES.

CHARGES FOR ONE MONTH.
PARTICULARS OF COST.

Item.	Amount.	Total.
	Rs.	Rs.
Salaries and Allowances	...	90
Office Expenses	...	25
Total ...	...	115

XII. GENERAL CHARGES.

(4) ACCT.

CHARGES FOR ONE MONTH.
PARTICULARS OF COST.

Item.	Amount.	Total.
		Rs.
Salaries and Allowances (share)	...	125
Office Expenses (")	...	175
Total ...	...	300

HENRY C. WEST,

Chief Engineer,

Madras Railway.

RAYAPURAM,

1st April 1895.

(No. 1)
No. 8031 B

(R. & M. 71)

Enclosures

No.

Madras Railway Company,

AGENT & MANAGER'S OFFICE,

RAYAPURAM TERMINUS,

Madras, 10-9-95 1895.

My dear Fowler.

You will have seen
from my official letter that
London is shipping the
fittings for the
line on the 17th of this month.

Now by way of
reducing expenses I
arranged with Storey yesterday
that he should get rid
of the Asst Engineer (young)
+ give Duncan our
junior Works Engineer
the Junior Branch.

Under one sanction

very
Establishment and I shall beg
if you will sanction the extension
the existing provision to the end of
cu

(No. 1)
No. 8031/B
828

MADRAS RAILWAY.

March when we have
as you may have seen
sum? ~~sum~~ 7
6 lakhs.

I am of the
if I note the management
at our next year
meeting in the schedules
it will be sufficient

I have been
flooded you with estimates
of sums lately
Paraphrase cases
estimate want to you
yesterday & now I shall
get ready the big supplementary

estimate in the long
run

Yours sincerely

Ernie S. M. V.

Telephone Message.

Your DO. Sanctioned ret. under main head
works sub head two Engineering is 8250 the
and budget estimate is 4950 and provides
for an executive, ^{on 550 rupees} for six months only. If this
then is going to be exceeded an excess over these
figures application should be submitted
for a transfer from some other head to works
his

H. S. V.

Despatched
2/15/67m

Establishment
if you will sanction the scheme
the existing provision to the end of
cu

rule we give an Engineer
who takes under charge
Rs 100 a month when
I said I mean we
have this extra money
so long as he retains
under charge.

The salary to the
Junior Branch will be
Rs 250 a month -

Very well you
kindly telephone me today
to say if I shall want
quintal sanction for
this Rs 100 or if I
can, as I think, simply
charge it to the Junior

(No. 1)
No. 8031/B
828

MADRAS RAILWAY.

AGENT AND MANAGERS OFFICE,

Madras, 14th Sept 1895

From

The Agent and Manager. M.R.B.

To

The Consulting Engineer for Railways.

SIR,

I have the honour to
inform you that in the Budget es-
timate of the Madras Engineer Section
for the current official year provision
for Establishment was made for a period
of six months only or up to the end
of the current month. As only an in-
complete portion of the permanent way
materials needed for the line have
arrived and the full quantity is ex-
pected for some time, it will be ne-
cessary to make further provision
for Establishment and I shall beg
if you will sanction the extension
of the provision to the end of

current official year. The excess which will thus arise under the heading of Establishment can be met from savings under Land - main head II.

The services of Mr. Young who was in charge of the construction work, having been dispensed with, and Mr. Otto who is now employed on the West Coast Survey estimates not being yet available, it is proposed to give Mr. Duncan charge of the Sumner branch works in addition to his ordinary duties at head quarters until such time as Mr. Otto can be transferred and to grant him an allowance of Rs 100/- per mensem during this period which will be charged against the cost of the construction of the branch. Will you kindly communicate your approval to this proposal.

I have the honour to be,
Sir,
Your most obedt Servt,

Edmund

Agent Villavago



Reel.
Dated

188

No.

To

The Consulting Engineer

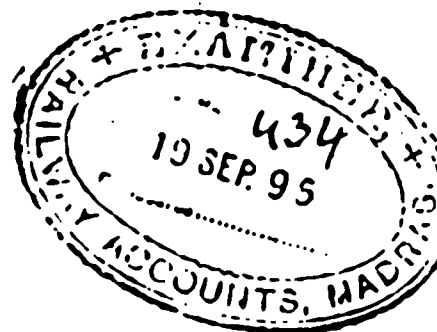
for Railways.

The Agent and Manager.

From

MADRAS RAILWAY.

Form No. 21.
No. 434.



OFFICE OF THE CONSULTING ENGINEER FOR RAILWAYS,
Madras, 17 September 1895.

No. 2936.

OFFICE NOTE.

Letter from the Agent, *Manager, Madras Railway*, No. *803113*
dated *14 September* 1895, forwarded to the Examiner of Railway
Accounts, *for favour of remarks.*

J. H. H. H.

for E. R.

EXAMINER'S REPLY.

Provision was made in the Construction Estimate of
the Madras Income Line under XII. 2 General Charges
Engineering for an establishment of Rs 825 per annum
for 10 months = Rs 8250

The extension of the present establishment to the end
of the current financial year, that is for an additional
period of 6 months will cause an excess of Rs 825 =
Rs 4950 over the sanctioned provision under this sub-head
of the estimate, which will have to be met if possible
by a transfer from some other head.

The actual outlay on Road to end of June amounted
to Rs 81021 against the sanctioned estimate of
Rs 105,000 leaving a balance of Rs 23979, which will

90/9

be supposed to meet the excess on the Subhead XII-2

The sanction of the Govt of India will be required to the transfer of Rs 4950, or say Rs 5000 in round figures, from II Band to XII-2 General Charges Engineering on the Construction Estimate, vide note 1 page 19 Appendix A Special Order Manual.

If this transfer is sanctioned the necessary reappropriation of Budget funds can be made, and it is also within the powers of the Madras Govt under the order contained in para 2 of Govt of India L^o 1155 of 25th April 1909 to sanction the grant of Rs 100 per annum to Mr. Duncan for holding charge of the Revenue Branch works in addition to his ordinary duties

W. Waller
C.R.

Sanction provisionally and
init- to India for formal
Sanction: H. 216

Approved
M. 25
9

Sanctioned
M. 25
9

Submitted to H.E. the process
for sanction of approval and
sanction M. 25
9
Approved & Sanctioned
W
26 Sep

Very truly
M. 27
9

Rs 25/9/95
R 25/9

N^o 631.R. dated 30.9.95

PUBLIC WORKS DEPARTMENT,
RAILWAY BRANCH.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following

Letter from the Agent & Man } S.H. No. 8031¹³ of 14. Sept 1895
of the Madras Railway — } 828
Note by the Revenue P. G. — } of 20. —

The retention of the present establishment for the construction of the Madras Ennis section of the Bayvada Madras Railway to the end of the current financial year is ^{approved} ~~sanctioned~~ provisionally pending the ^{Sanction} ~~confirmation~~ of the Government of India to the proposed transfer of funds viz Rs 5000 from II Land to XII 2 General charges Engineering in the construction estimate.

2. Under the powers granted to the Madras Government in para 2 of Govt. of India letter No. 1155 of 25 April 1889 sanction is also accorded to the ^{grant}

Request for
the establishment
of the Madras
Railway
and the
Official
Office

Grant of Rs 100 per mensem
to Mr Dineen for holding
charge of the Sumner branch
works in addition to his
ordinary duties.

Full 2/5

Bf.
N^o 631 D. dated 30.9.95

To
The Agent & Manager
Exd. Rd. P. & C.
10/10

25/10 9/10

Bf.

N^o 632 D. dated 30.9.95

To

The Secy. to the Govt. of India
P. W. Dept.

Sir,

The Agent & Manager
Madras Railway having applied
for sanction to the retention
of the present establishment for
the construction of the Madras
Sumner line to the end of the
current financial year this Govt.
has approved of the proposal,
but as the cost viz Rs 4950 or
say Rs 5000 is in excess of
the sanctioned provision in the
estimate & as a saving of Rs
105,000 is reported under Land
& ^{district} I am to request the sanction
of the Govt. of India to the trans-
fer of Rs 5000 from II Land
to III-2. General charges Engineering
in the construction estimate.

Full 2/5

Encl: Nil

In despatch R. office on
30.9.95

25/10

No. 939^a

939

MADRAS RAILWAY.

AGENT AND MANAGER'S OFFICE,

MADRAS, 21st October 1895

From

The Agent and Manager,

Madras Railway Company,

To

The Consulting Engineer for Railways,

Madras.

SIR,

I have the honor to request that you will be so good as to communicate to me the sanction of Government to the re-appropriation of a sum of Rs 2202 from sub-head 'II Land' of the Madras. Census Railway to sub-head 'I Preliminary Expenses' for 1895-96.

The Offg. Chief Engineer writes as follows with reference to this subject:-

- I beg to inform you that certain items, legitimate-ly chargeable to the sub-head 'I Preliminary Expenses' of Census Railway were inadvertently charged to 'Earth work' during 1894-95 and the Budget provision of Rs 2202 allotted for 'Preliminary Expenses' for the above year was not utilised. The error having been rectified and adjusted by a transfer debit the expenditure now appears in the current Official year under 'I Preliminary Expenses' for which there is no Budget provision and I shall feel obliged if you will kindly obtain sanction of Government for a re-appropriation of the sum of Rs 2202 to this sub-head for 1895/96 from the sub-head 'II Land' as there is a large saving on the latter head.

I have the honor to be
Sir,
Yours most obedt servt

Ernest J. M. V.

Agent and Manager

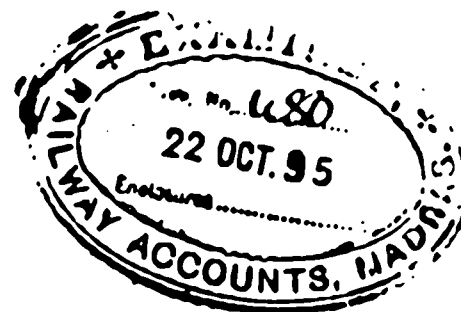
By-
N. 632. D. dated 30.9.95

9/10

4543
22-10-95

120
P.E.P.

Form No. 31.
Oct. 1904.



OFFICE OF THE CONSULTING ENGINEER FOR RAILWAYS
Madras, 22nd October 1895.

No. 3329.
OFFICE NOTE.

Letter from the Agent, *Madras Manager Madras Railway*, No. *8031*
dated *21st October* 1895, forwarded to the Examiner of Railway
Accounts *for perusal of remarks.*

CM

for E. R.

EXAMINER'S REPLY.

*The reappropriation may be sanctioned
by E.R. and included in the minutes of
the next official meeting.*

23/10

23.10.95

Unaltered

ER

Sanctioned

I find some arg. urged

File 21/10

[Faint, mostly illegible handwritten text in the left margin, possibly bleed-through from the reverse side.]

*Sanctioned under 3379
24/10/95*

OFFICE OF THE CONSULTING ENGINEER FOR RAILWAYS,

Madras, 24 October 1895.

To

AGENT AND MANAGER, M. R.

No. 3379 Reply No. , dated

Sir,

Reminders.

With reference to
your letter No. 8031^a dated
939
21st October 1895, I have the
honor to sanction the re-
appropriation of Rs. 2282/-
from II "Land" of the
Madrass-Gowrie Railway
to I "Preliminary Expenses" for
1895-96 and to state that the
sanction should be record-
ed at the next Offl meeting.

Subject.

No 3380
24.10.95

Copy to CR for information

H. 24/10

24.10

(No. 1)
No. 8031

1011

MADRAS RAILWAY.

AGENT AND MANAGERS OFFICE,

Madras, 12th November 1895

From

The Agent and Manager.
M.R.O.

To

The Consulting Engineer for Railways.

SIR,

With reference to G.O.
No 631 R of the 30th September last I have
the honor to inform you that my
application of the 14th idem was in-
tended to refer to the whole of the
Establishment detailed in Schedule
A of the budget estimate 1895-96 but
the sanction given is in respect
of the Engineering Establishment only.
The provision made in the budget
is Rs 1600/. per mensem and as an
extension for six months was applied
for, the amount to be transferred
from main head II. Land, is Rs 9600/.

and

and not Rs. 5000 as sanctioned in the
G.O. Will you kindly communicate to
me the sanction of the Government
to the transfer of the balance, Rs. 4600.

I have the honor to be,
Sir,

Yours most Obedt Servt

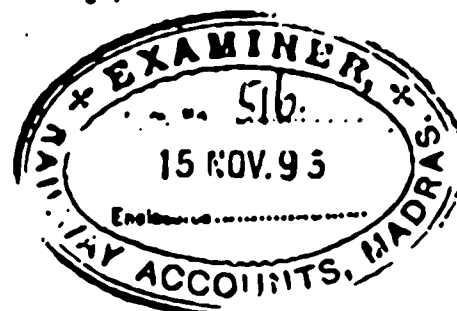
Edmund

Agent and Manager

Encl
nil



Form No. 21.
100-2-4-44



OFFICE OF THE CONSULTING ENGINEER FOR RAILWAYS,
Madras, 14th November 1895.

No. 3629

OFFICE NOTE.

Letter from the Agent and Manager, Madras Railway, No. $\frac{8031}{1011}$
dated 12th November 1895, forwarded to the Examiner of Railway
Accounts for perusal of remarks.

L. D. Smith

for E. R.

$\frac{18}{14/11}$

EXAMINER'S REPLY.

$\frac{18}{11}$
In sanctioning the provision for Direction,
audit and stores establishments, the Govt. of India
in their N^o 308 A.R. dated 27th June 1895 (vide Madras
G.O. N^o 1116 Q dated 5th July 1895) stated that
sanction was accorded on the distinct understand-
ing that the figure was final and that no increase
on it would be permitted.

2. It is for the Local Government to decide
whether, in face of this order, an application
should go forward to the Government of India
for

MADRAS RAILWAY.

From

The Agent and Manager.

To

The Consulting Engineer

for Railways.

Dated

188

Recd.

No.

Replied in no 3672
 $\frac{18}{11/95}$

for an increase of Rs 11,650 for these establishments.

3. The establishment provided in the Budget was for the completion of the line, and, although the construction will last 6 months longer than anticipated, there will be no increase in the outlay to be supervised and audited.

There is, therefore, certainly no reason to increase the share of Madras Railway Direction and Audit Establishment chargeable to the Madras Empire Ry., and even in the case of establishment entertained wholly for the State line, as the expenditure has hitherto been less than anticipated, there should have been sufficient saving in the number employed to provide for their longer retention.

16.11.95.

E. Waller

C.R.

R. P. M. No. 12.

No. 3672

Government of Madras.

PUBLIC WORKS DEPARTMENT, -
RAILWAY BRANCH.

To A.M.

~~THE SECRETARY TO THE GOVT. OF INDIA,~~

P. W. DEPARTMENT.

18 November 1895.

SIR,

in reply to your letter No. 8031
1011

d. 12/11/95 I have the honor to
write your attention to
Govt. of India letter No. 308 AK. d.

27.6.95 communicated to you
L. P. O. No. 446 d. 5.7.95 and
to say that there appears to me
no reason for making a reference
to the Govt. of India which and that
of such a reference was made it is
not probable that the Govt. of India
would accord the sanction asked
for.

The extension of the time allowed
for construction will cause no increase
in the outlay to be supervised and audited
as the Govt. of India has no reason
to increase the share of Madras
Ry. Direction and Audit Establishment
chargeable to the Madras Empire Ry.
The increase in their charge is
entirely due to the delay which

Sanction plan in the construction of
the bridge and for the bridge the
as as appears from estimate
respective

SM 11/11 10/11 15/11

All communications
should be addressed
to the Secretary.

No. 1409 R. C.

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.

RAILWAY Construction.

To

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

Calcutta, the 15th November 1895.

Sir,

With reference to your letter No. 6322,
dated 30th September 1895. I am directed to
convey the sanction of the Government of
India to the proposed reappropriation of
Rs. 5,000 from the head "II - Land" to the
head "XII - General Charges, (2) Engineering" in
the construction estimate of the Madras.
Ennore

Emore Section of the Bezvada-Madras
railway.

Recd: 20.11.95

I have the honour to be,

Sir,

Yours most obedient servant,

Frederick Colonel, R.E.,
Deputy Secretary.

Documents accompanying -
Nil.

F.H.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following

Letter from the Govt. } H.E. No. 1409 R.C. of 15 Nov 95
of India P.W. Dept. }

Communicated
to the Agent & Manager
Madras Railway in con-
tinuation of G.O. No. 6312
of 30 September 1895.

F.H.
11
A

DI H

23.11.95

By The Agent & Manager, Madras
- Ex G.O. No. 6312 -

A.P.

No. 105 R., 7TH FEBRUARY 1896.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Railway.

Read the following paper:—

From the Officiating Under Secretary to the Government of India, Public Works Department (Railway Construction), to the Joint Secretary to the Government of Madras, Public Works Department (Railway Branch), dated Calcutta, the 30th January 1896, No. 119 R.C.

With reference to your letter No. 7 R., dated 6th January 1896, I am directed to convey the sanction of the Government of India to the transfer of savings amounting to Rs. 15,149 under the heads II. Land and XII. General charges in the project estimate of the Madras-Ennur Railway to meet excesses under the following heads:—

	Rs.
III. Formation	25
IV. Bridgework	492
V. Fencing	1,559
VII. Ballast and permanent-way	12,429
VIII. Stations and buildings	429
IX. Plant	215
Total	15,149

ORDER—No. 105 R., dated 7th February 1896.

Communicated to the Agent and Manager, Madras Railway, with reference to G.O. No. 8 R., dated 6th January 1896.

(True Extract.)

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

To the Agent and Manager, Madras Railway.
" Examiner, Railway Accounts.

Sd. T. K. Narayana Aiyangar.
Spare Copies

13/-
No. 791. D. dated 23.11.95

26/11
26/11

RAILWAY.

Govt. of {1896} Madras.

PUBLIC WORKS.

Dated February, 7th.

Recd.

Encl.

G.O. No. 105 R., 7th Feb. 1896.

FEBRUARY.

Savings

Government of India sanction to the transfer of — amounting to Rs. 15,149 under the heads II. Land and XII. General charges in the project estimate of the Madras-Ennur railway to meet excesses under certain heads, communicated to the Agent and Manager, Madras Railway.

FINAL ISSUE.

CAPITAL BUDGET ESTIMATE—WORKS.

PUBLIC WORKS DEPARTMENT.

CAPITAL EXPENDITURE ON PUBLIC WORKS NOT CHARGED
AGAINST REVENUE.

48. STATE RAILWAYS—CONSTRUCTION.

REVISED AND BUDGET ESTIMATES

OF

CONSTRUCTION WORKS

ON THE

MADRAS-ENNUR SECTION

OF THE

BEZWADA-MADRAS RAILWAY

FOR

1894-95 & 1895-96.

MEMORANDUM.

Grant sanctioned in Public Works Department Resolution No. ²⁶ <u>E.O.</u> A.R.,								
dated 21st March 1895		...	...	...	...	...	...	<u>3,00,000</u>
Programme approved—								
Cash outlay		...	...	...	...	...	...	1,67,470
Value of stores to be drawn from stock		...	...	...	...	...	...	1,32,530
							Total	<u>3,00,000</u>

CAPITAL Revised and Budget Estimates of Construction Works on the Madras-Ennur Section of the Bezwada-Madras Railway for 1894-95 and 1895-96.

General Abstract.

Main heads of expenditure.	Actuals to end of 1893-94.		Budget grant, 1894-95.	Revised estimate, 1894-95.			Budget estimate, 1895-96.			Total probable outlay to end of 1895-96 (columns 1, 2 and 4).	Required for lines under construction only.	
	Rs.	Ls.	Rs.	Rs.	Ls.	Rs.	Ls.	Rs.	Ls.		Rs.	Ls.
	1	2		3	4	5	6	7	8	9	10	
<i>Works and Services.</i>												
I. Preliminary expenses ..	..	..	..	2,282	..	2,282	..	26,590	..	2,282	..	..
II. Land ..	..	..	..	78,310	..	78,310	..	2,894	..	1,08,000	..	..
III. Formation ..	..	..	..	81,320	..	81,320	..	20,736	..	24,114	..	..
IV. Bridge work ..	..	..	..	10,713	..	10,713	..	20,736	..	21,449	..	..
V. Fencing ..	..	..	..	13,968	..	13,968	..	18,872	..	41,144	..	..
VI. Electric telegraph ..	..	..	..	..	..	..	..	44,023	..	1,76,553	..	..
VII. Railst and permanent-way ..	..	..	..	..	..	..	..	88,305	..	86,364	..	..
VIII. Stations and buildings ..	..	..	..	10,945	..	10,945	..	1,32,530	..	39,358	..	..
Total, Construction Accounts ..	..	..	..	1,47,503	14,348	1,61,851	1,32,530	1,61,810	1,32,530	2,81,040	..	..
IX. Plant ..	..	..	..	1,744	..	1,744	..	6,360	..	6,104	..	..
X. Ferriss, &c. ..	..	..	..	..	..	..	..	..	..	..	..	..
XI. Rolling stock ..	..	..	..	..	..	..	..	..	..	..	..	..
XII. General charges as per schedule A ..	..	..	..	6,400	..	6,400	..	9,600	..	16,000	..	..
Total expenditure on final heads ..	..	..	..	1,55,652	14,348	1,70,000	1,32,530	1,67,470	1,32,530	3,00,000	..	8,00,000
Purchase of line ..	..	..	..	..	..	..	..	..	..	..	..	..
Overdrawn capital ..	..	..	..	..	..	..	..	..	..	..	..	..
Loss by exchange ..	..	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous advances ..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	..	..	1,55,652	14,348	1,70,000	1,32,530	1,67,470	1,32,530	3,00,000	..	..
<i>Deduct—</i>												
Receipts on Capital Account ..	..	..	..	..	..	..	..	..	..	..	..	..
Cash and stores taken over from Company on purchase of line ..	..	..	..	..	..	..	..	..	..	..	..	..
Grand Total, Works and Services ..	..	..	..	1,55,652	14,348	1,70,000	1,32,530	1,67,470	1,32,530	3,00,000	..	..

(Signed) **L. S. MOSS,**
Agent and Manager, Madras Railway.

MADRAS,
April 1895.

Abstract of General charges for 1895-96.

Sub-heads of establishment.	Revised estimate for 1894-95 for four months.	Budget estimate for 1895-96 for six months.	Distribution.			
			Capital.		Revenue.	
			Revised estimate, 1894-95.	Budget estimate, 1895-96.	Revised estimate.	Budget estimate.
Direction or general	Rs. 1,440	Rs. 2,160	Rs. 1,440	Rs. 2,160	Rs. ..	Rs. ..
Engineering	3,300	4,950	3,300	4,950	..	..
Stores	460	690	460	690	..	..
Audit and accounts	1,200	1,800	1,200	1,800	..	..
Total ..	6,400	9,600	6,400	9,600	..	..

FINAL ISSUE.

CAPITAL BUDGET ESTIMATE-STORES.

PUBLIC WORKS DEPARTMENT.

CAPITAL EXPENDITURE ON PUBLIC WORKS NOT CHARGED
AGAINST REVENUE

48. STATE RAILWAYS-CONSTRUCTION.

REVISED AND BUDGET ESTIMATES

OF

STORES TRANSACTIONS

ON THE

MADRAS-ENNUR SECTION

OF THE

BEZWADA-MADRAS RAILWAY

FOR

1894-95 & 1895-96.

MEMORANDUM.

Grant sanctioned in Public Works Department Resolution No. ²⁶ E.O.	RA
A.R., dated 21st March 1895	Nil.
The budget estimate contemplates a total expenditure of	
Ra. 1,32,530 as under—	
Cash outlay on stores	1,32,530
And is provided for as follows:—	
Credits for stores issued to Capital works	— 1,32,530
Balance, being Indian grant required as above	Nil

Capital Revised and Budget Estimates of Stores transactions on the Madras-Ennur Section of the Deswade-Madras Railway for 1894-95 and 1895-96.
General Abstract.

Suspense heads.	Actuals at end of 1895-96.	Revised Estimates, 1894-95.						Probable balance at end of 1894-95.	Budget Estimates, 1895-96.				Probable balance at end of 1895-96.
		Debita.			Credita.	Total.	Debita.			Credita.	Total.		
		Cash.	Stores.	Total.			Cash.		Stores.			Total.	
Purchases as per schedule A	..	Rs.	..	..	Rs.	..	..	Rs.	..	..	Rs.	..	..
London stores as per schedule B	..	..	..	..	..	..	..	..	..	..	..	..	..
Manufacture as per schedule C	..	..	..	..	..	..	..	..	..	..	..	..	..
Workshop manufactures as per sche- dule D	..	14,348	..	14,348	14,348	..	..	1,21,530	..	..	1,21,530	..	..
Stores in depôts as per schedule E	..	..	..	..	..	..	..	..	..	..	..	..	..
Salas as per schedule F	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	14,348	..	14,348	14,348	..	..	1,21,530	..	..	1,21,530	..	..

MADRAS,
April 1895.

(Signed) L. S. MOSS,
Agent and Manager, Madras Railway.

SCHEDULE E.

MADRAS-ENNUR SECTION OF THE BEZWADA-MADRAS RAILWAY.

DETAILS of the estimated transactions under the head "Stores."

Particulars.	Revised estimate, 1894-95.	Budget estimate, 1895-96.	Particulars.	Revised estimate, 1894-95.	Budget estimate, 1895-96.
To balance at commencement of year	..	..	By issues during the year—	..	..
To receipts during the year—			To Capital works—		
Local purchases—			Formation	..	..
Permanent-way consisting of rails, fish plates, fish bolts, bearing plates, &c. ..	..	1,32,530	Bridge work	..	..
Station machinery consisting of weighing machines, dating presses, points and crossings, &c. ..	6,014	..	Fencing	8,334	..
Plant, Engineering	..	..	Electric telegraph	..	..
Fencing	8,334	..	Hallast and permanent-way	..	1,32,530
London stores—			Stations and buildings	6,014	..
For Capital works	..	..	Plant	..	..
For Revenue purposes	..	..	General charges	..	..
Manufactures—			To manufactures	..	..
Workshop manufactures	..	..	To Workshop manufactures	..	..
			To Revenue working expenses	..	..
			To sales as per schedule F	..	..
Total receipts during the year ..	14,348	1,32,530	Total, Issues	14,348	1,32,530
Grand Total	14,348	1,32,530	Balance expected at close of year.	..	..
			Grand Total	14,348	1,32,530
			Difference between opening and closing balances ..	..	..

3RD MAY 1895, No. 326 R., PUBLIC WORKS.

PUBLIC WORKS DEPARTMENT.

Railway.

LETTER—From

CAPTAIN A. D. G. SHELLEY, R.E.,

Under Secretary to the Government of Madras,

Public Works Department,

Railway Branch,

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,

PUBLIC WORKS DEPARTMENT.

SIR,

With reference to Government of India Public Works Department Resolution No. ³⁶ E.O. A.R., dated the 21st March 1895, I am directed to forward herewith the final issue of the Capital revised and budget estimates of the Madras-Ennur Section of the Bezwada-Madras Railway for the years 1894-95 and 1895-96 and to state that the estimates have been prepared for the amounts sanctioned by the Government of India.

2. The amount provided for direction, audit and stores for 1894-95 and 1895-96 is Rs. 7,750 against Rs. 5,425 sanctioned by the Government of India in its telegram No. 385 R.C., dated 26th March 1895, and is due to provision being made for ten months instead of seven months as originally estimated. I am to request the sanction of the Government of India to this increase.

3. To save delay the budget is being submitted in manuscript. Printed copies will follow as soon as possible.

I have the honour to be,

Sir,

Your most obedient servant,

(Signed) A. D. G. SHELLEY, Captain, R.E.,
Under Secy. to Govt., P.W.D.,
Railway Branch.

MADRAS,
3rd May 1895.

Erd. C. A. Muniswamy.
Spare Copies

RAILWAY.

Govt. of {1895} Madras.
PUBLIC WORKS.

Dated May, 3rd.

Recd.

Encl.

3rd May 1895, No. 326 R.

MAY.

Bezwada-Madras Railway

Forwarding, with remarks, the final issue of the Capital revised and budget estimates of the Madras-Ennur Section of the — for 1894-95 and 1895-96.

29TH JULY 1895, No. 486 R., PUBLIC WORKS.

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

Railway.

Read the following papers:—

G.O., dated 3rd May 1895, No. 326 R., Public Works.
" " 5th July " " 446 R., Public Works.

ORDER—dated 29th July 1895, No. 486 R., Public Works.

The scale of establishment for the Madras-Ennore section of the Bezwada-Madras Railway, detailed in Schedule A of the Final issue of revised and budget estimates for 1894-95 and 1895-96, embodied in G.O. No. 326 R., dated 3rd May 1895, is sanctioned.

(True Extract.)

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

To the Agent and Manager, Madras Railway.
" Examiner, Railway Accounts, Madras

Ed. T. K. Narayana Aiyangar.
Spare Copies

RAILWAY.

Govt. of {1895} Madras
PUBLIC WORKS.

Dated July, 5th.

Recd.

Encl.

G.O., 5th July 1895, No. 446 R.

JULY.

Madras-Ennur section of the
Bezwada-Madras Railway

Government of India letter sanctioning the increased provision of Rs. 7,750 for direction, audit and store establishments, made in the final issue of the capital revised and budget estimates of the — for 1894-95 and 1895-96, communicated to the Agent and Manager, Madras Railway.

22ND MAY 1889, No. 592 R., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Railway.

Read again the following paper:—

G.O., dated 7th May 1889, No. 506 R., Public Works.

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 Simla, 25th April 1889, No. 1155 G.

I am directed to acknowledge the receipt of your letter No. 294 R., dated 16th March 1889, requesting reconsideration of the orders issued in Public Works Department letter No. 1995 G. of 8th August 1888, regarding the grant of extra allowances to Engineers of the Madras Railway when entrusted with works which form more than an ordinary charge.

2. In reply I am directed to say that the Government of India is unwilling to allow increased expenditure on the establishment of a non-paying line like the Madras Railway, but sanctions the proposals made in your letter No. 472 R., dated 9th June 1888, trusting to the Government of Madras to work it economically, and ordinarily to sanction the special allowances on account of two separate charges being formed into one charge only as a temporary measure, or where special circumstances require that they should be placed under one officer.

Order—dated 7th May 1889, No. 506 R., Public Works.

Communicated to the Consulting Engineer for Railways, who will call upon the Agent and Manager to submit, for the consideration and sanction of Government, a statement of claims that have accrued since the 26th May 1888, and that have in future to be met, with present arrangements of Engineers' charges, under the application of the rule embodied in para. 3 of the Consulting Engineer's endorsement No. 176, dated 1st June 1888 (G.O., No. 471 R., dated 9th June 1888), which has received the sanction of the Government of India.

(True Extract.)

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

Read also the following paper:—

From the Consulting Engineer for Railways, dated Madras, 17th May 1889, No. 235.

From F. B. HANNA, Esq., Agent and Manager, Madras Railway Company, to the Consulting Engineer for Railways, dated Madras, 16th May 1889, No. 5220-215/563.

With reference to your letter No. 415 of the 10th instant, and to the G.O., No. 506 R., of the 7th idem, received therewith, I have the honor to forward herewith a statement of the claims of Engineers to the extra tentage and allowances which have accrued from the 1st May 1888 to 30th April 1889.

ENCLOSURE.

STATEMENT showing extra tentage and allowances due since 1st May 1888.

			Rs. A. P.	Rs. A. P.	
A. T. Wilkinson.	3rd and 4th divisions, South-west line.	From 24th July to 12th August 1888, 20 days, at Rs. 100 per mensem.	64 8 8		Without assistant.
		Deduct— Amount of extra tentage already drawn for the above 20 days at Rs. 30 per mensem.	19 8 8		
			0		
E. W. Stoney ..	New Pennar and Chitravati bridges.	From 1st May 1888 to 30th April 1889, 12 months, at Rs. 30 per mensem.	360 0 0	45 3 7 360 0 0	With an assistant.
J. M. Ewing ..	4th division, South-west line, and Kallai bridge on the Calicut extension.	From 13th December 1888 to 14th March 1889, 3 months and 2 days, at Rs. 30 per mensem.	91 15 0	91 15 0	Do.
		Total ..	..	497 1 7	

MADRAS,
15th May 1889.(Signed) W. R. ROBINSON,
Chief Engineer.

Submitted to Government for sanction with reference to Proceedings No. 506 R., dated 7th May 1889.

ORDER—dated 22nd May 1889, No. 592 R., Public Works.

Sanctioned.

(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.

RAILWAY.

Govt. of {1889} Madras.

PUBLIC WORKS.

Dated May, 22nd.

Recd.

Encl.

G.O., 22nd May 1889, No. 529-H. ^{572H}

MAY.

Allowances

Extra tentage and allowances claimed by
certain Engineers, Madras Railway, sanc-
tioned.

