1·3/90/RH

Public Works (1899) Department.

RAILWAY BRANCH.

G.O., No. 476. Ry.

DATED 26th April 1899.

Encls.

— G. Copies (2) of No. 278 Ry. dt. 7/2/99

[Despatch Abstract.]

Madura-Tenkasi Railway.

Commung: to the Agent, S.I.Ry, letter from the Govt. of India sanctioning the revised estimate of Rs 41,803 for surveying and staking out the sections of the —

Indexed

[P. W. D. 99-11-3-99.]

BACK PAPERS.

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

FURTHER PAPERS.

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

RAILWAY.

Government {1899} of Madras.

PUBLIC WORKS.

Recd. } 1899. *Enclosures*

Regd. } *Spare copies*

G.O., No. 476 Ry., 26th April 1899.

APRIL.

Madura-Pamban Railway

Communicating to the Agent, South Indian Railway, letter from the Government of India sanctioning the revised estimate of Rs. 41,803 for surveying and staking out the sections of the —.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Railway.

Read again the following papers :—

G.O., No. 1349 Ry., dated 2nd November 1898.

Read the following papers :—

From—The Agent, South Indian Railway.
To—The Consulting Engineer for Railways.
Dated—Trichinopoly, 27th February 1899, No. 183.

With reference to the estimate for surveying and staking out the two sections of the Madura-Pamban Railway as embodied in Madras Government Order No. 1349 Ry., dated 2nd November 1898, I have the honour to forward revised estimates for the same as under :—

	Rs.
(1) Madura to Paramagudi with the branch to Sivaganga	24,400
(2) Paramagudi to Toni Torai and surveying the island of Rameswaram and the Pamban Reef	17,403
Total ...	41,803

and request sanction to the adoption of the figures now given. The excess of Rupees 14,111 over the estimates as first submitted is due to the salary of the Engineer-in-Chief being provided for, as well as the work on the first section lasting a month longer than originally anticipated.

The estimates now sent provide for—

(*a*) the *whole* pay of the Engineer-in-Chief, and of his office staff, for November 1898 to February 1899, inclusive ;

(*b*) *half* the pay of the Engineer-in-Chief, and of his office staff, March to May 1899, inclusive ;

the other moiety of the pay of the Engineer-in-Chief and of his office staff during March to May 1899, being charged to the Tinnevelly-Quilon Railway Survey.

Enclosures.

SOUTH INDIAN RAILWAY COMPANY (Ld.)

Madura-Pamban Railway.

Revised estimate for staking out the centre line from Madura to Paramagudi including Sivaganga Branch—Estimated length, 56 miles.

	Rs.	Rs.	Rs.
Survey Expenses.			
(*a*) Centre line pegs, centre line stones, bench marks, fixing same and lockspitting Rs. 68 × 56 miles	3,808		
(*b*) Prospecting line and trial trace from Sembrayandal to Sivaganga, Rs. 75 × 10	750		
(*c*) Preparing estimates and printing same, half cost	250		
			4,808
Plant.			
(*a*) Tents—			
1 Swiss cottage tent	355		
1 Hill tent	270		
1 Beechoba	50		
10 Servants' pals	545		
1 Necessary tent	33		
1 Swiss cottage tent, half cost	275		
		1,528	
(*b*) Instruments—			
2 Theodolites at .. .. Rs. 600	1,200		
2 Levels at .. .. „ 400	800		
4 Levelling staves at .. .. „ 50	200		
3 Sets scales at .. .. „ 10	30		
36 Ranging rods at .. .. „ 3	108		
4 Measuring chains at .. .. „ 10	40		
Other items of plant	1,500		
Engineering-in-Chief, office furniture, half cost .. Rs. 350	175		
„ „ instruments, half cost .. „ 300	150		
	4,203		
Deduct—75 per cent. on value of stores returned ..	3,153		
		1,050	
			2,578
Establishment.			
(*a*) Engineer-in-Chief and office establishment (Dec. to Feb. 1899)—	Rs.		
Engineer-in-Chief (Nov. to Feb. 1899), Rs. 1,870 =	5,734		
4 Clerks from Dec. to Feb. 1899, Rs. 15 to 60 =	323		
2 Draftsmen from Dec. to Feb. 1899, Rs. 40 =	147		
2 Tracers from Dec. to Feb. 1899, Rs. 15 to 22½ =	112		
11 Menials from Dec. to Feb. 1899 .. .. =	142		
Travelling allowance .. .. .. =	171		
Office expenses .. .. =	230		
Total ..	6,859		
Half cost		3,430	
March to May 1899—	Rs.		
Engineer-in-Chief	5,430		
Personal Assistant at Rs. 800	2,400		
6 Clerks	630		
2 Draftsmen	240		
2 Tracers	113		
11 Menials	245		
Travelling allowances	359		
Office expenses	150		
Total ..	9,567		
Half cost to Tinnevelly-Quilon	4,783		
„ to Paramagudi-Toni Torai	4,784		
		2,392	
		5,822	
Field Establishment.			
1 Engineer (December to February 1899) at .. .. Rs. 600	1,233		
1 „ (portion of January and February 1899) at .. „ 500	295		
1 „ (February to May 1899) at .. .. .. „ 500	1,822		
1 „ (January to May 1899) at .. .. .. „ 400	1,781		
1 „ (portion of December, January and Feb. 1899) at „ 250	486		
1 „ (December and January 1899) at .. .. „ 150	160		
1 Surveyor (December to April 1899) at .. .. „ 150	716		
1 „ (March to April 1899) at .. .. „ 150	300		
1 „ Assistant Surveyor (January to April) at .. .. „ 45	175		
1 Clerk (December 1898 to May 1899) at .. .. „ 35	170		
35 Lascars (December 1898 to April 1899) .. .. „ 8	1,254		
Travelling allowances (December 1898 to April 1899)	1,800		
Contingencies	1,000		
		11,192	
			17,014
		Total ..	24,400

Budget Estimate.

		1898-99.	1899-1900.
	Survey Expenses.		
Centre line pegs, &c., 42½ miles × 68 Rs.		Rs. 2,890	Rs.
Preliminary trace of Sivaganga branch		750	..
Centre line pegs, &c. 13⅔ miles × 68		..	..
Preparing estimate and printing the same, half cost		..	918
		..	250
		3,640	1,168
	Plant.		
Tents as per estimate		1,528	..
Instruments as per estimate		4,203	..
Credits to be given on completion		..	3,153
		5,731	3,153
	Establishment.		
Engineer-in-Chief and office establishment (December 1898 to February 1899)		3,430	..
,, ,, (March to May 1899)		..	2,392
1 Engineer (December 1898 to February 1899) at	Rs. 600	1,233	..
1 ,, (January and February 1899) at	,, 500	295	..
1 ,, (February to May 1899) at	,, 500	322	1,500
1 ,, (January to May 1899) at	,, 400	581	1,200
1 Surveyor (December 1898—January 1899) at	,, 250	486	..
1 ,, (December to April 1899) at	,, 150	160	..
1 ,, (March to April 1899) at	,, 150	416	300
1 Assistant Surveyor (January 1899 to April 1899) at	,, 150	..	300
1 Clerk (December 1898 to May 1899) at	,, 45	85	90
35 Lascars (December 1898 to April 1899) at	,, 35	65	105
Travelling allowances	,, 8	694	560
Contingencies		500	1,300
		300	700
		8,567	8,447
	Abstract.		
Survey expenses		3,640	1,168
Plant		5,731	3,153
Establishment		8,567	8,447
		17,938	6,462
	Total ..	24,400	

Revised estimate for staking out the centre line from Paramagudi to Toni Torai, including the survey of the island of Rameswaram and Pamban Reef—Estimated length 47 miles.

		Rs.	Rs.	Rs.
	Survey Expenses.			
Centre line pegs centre line stones, bench marks, fixing ditto and lock-spitting,		3,196		
Preparing estimates and printing the same, half cost	Rs. 68 × 47	250		
				3,446
	Plant.			
Tents—				
1 Swiss cottage tent		355		
1 Hill tent		270		
8 Servants' pals		445		
1 Necessary tent		33		
1 Swiss cottage tent, half cost		275		
	Instruments.			
2 Theodolites at	Rs. 600	1,200	1,378	
2 Levels at	,, 400	800		
4 Levelling staves at	,, 50	200		
3 Sets scales at	,, 10	30		
36 Ranging rods at	,, 3	108		
4 Measuring chains at	,, 10	40		
Other items of plant		1,500		
Engineer-in-Chief office furniture, half cost		175		
Do. do. Instruments, half cost		150		
	Deduct—75 per cent. on value of stores returned	4,203		
		3,152	1,051	
	Establishment.			2,429
Engineer-in-Chief establishment (December to February 1899), Rs. 6,859, half cost				
March to May 1899, Rs. 4,784, half cost		3,430		
		2,392		
1 Engineer (December 1898 to April 1899) at	Rs. 500	2,162		
1 Surveyor (January to April) at	,, 125	455		5,822
1 Surveyor (,,) at	,, 115	505		
1 Clerk (,,) at	,, 40	193		
21 Lascars (,,) at	,, 8	691		
Travelling allowance		700		
Contingencies		1,000		
				5,706
	Total ..			17,403

Budget Estimate.

		1898-99.	1899-1900.
		500	2,946
Survey expenses		1,378	..
	Plant.	4,203	..
Tents as per estimate		..	3,152
Instruments as per estimate			
Credits to be given on completion			
	Establishment.	3,430	..
Engineer-in-Chief and office establishment (December to February 1899)		..	2,392
,, (March to May 1899)			
	Field Establishments.		
1 Engineer (December 1898 to April 1899) at	Rs. 500	1,162	1,000
1 Surveyor (January to April 1899) at	,, 125	205	250
1 ,, (,,)	,, 115	275	230
1 Clerk (,,)	,, 40	113	80
28 Lascars (,,)	,, 8	355	336
Travelling allowances		400	300
Contingencies		300	700
		12,321	5,082
	Abstract.	500	2,946
Survey expenses		5,581	3,152
Plant		6,240	5,288
Establishment		12,321	5,082
	Total ..	17,403	

Order—No. 277 Ry., dated 9th March 1899.

The Government of India will be addressed.

From—The Joint Secretary to the Govt. of Madras, P.W. Dept., Railway Branch.
To—The Secretary to the Government of India, Public Works Department, Simla.
Dated—Madras, 9th March 1899, No. 278 Ry.

With reference to the estimates amounting to Rs. 27,692 for surveying and staking out the two sections of the Madura-Pamban Railway, sanctioned in Government of India, Public Works Department, letter No. 1587 R.C., dated 22nd October 1898, I am directed to forward, herewith, a copy of letter from the Agent, South Indian Railway, No. 183, dated 27th February 1899, submitting revised estimates of the cost of the survey, amounting to Rs. 41,803 as under:—

		Rs.
(1)	Madura to Paramagudi with the branch to Sivaganga	24,400
(2)	Paramagudi to Toni Torai, and for surveying the island of Rameswaram and the Pamban Reef	17,403
	Total ...	41,803

2. The excess over the sanction already accorded is due to provision being now made for the whole salary of the Engineer-in-Chief for the months December 1898 to February 1899 and half salary for the months February 1899 to May 1899, the other half being debitable to the Travancore Railway. The estimate provides for the very necessary survey of the island of Rameswaram and Pamban Reef. and it is anticipated that the work will be completed in May next. Under these circumstances I am to recommend that the estimates now submited may be sanctioned.

Read also the following paper:—

From—The Secretary to the Government of India, Public Works Department.
To—The Joint Secretary to the Government of Madras, P.W. Dept., Ry. Branch.
Dated—Simla, 14th April 1899, No. 644 R.C.

I am directed to acknowledge the receipt of your letter No. 278 Ry., dated the 9th March 1899, and in reply to convey the sanction of the Government of India to the revised estimate therewith forwarded amounting to Rs. 41,803, of the cost of surveying and staking out the undermentioned sections of the Madura-Pamban Railway:—

	Rs.
(1) Madura to Paramagudi with branch to Sivaganga	24,400
(2) Paramagudi to Toni Torai, and for surveying the island of Rameswaram and the Pamban Reef	17,403
Total ...	41,803

2. The sanction herein accorded, which is in supersession of that accorded in Public Works Department letter No. 1587 R.C., dated 22nd October 1898, to an estimate amounting to Rs. 27,692 on account of the surveys in question, has been registered as No. 3 Railway Surveys of 1899–1900.

Order—No. 476 Ry., dated 26th April 1899.

Communicated to the Agent, South Indian Railway.

(True Extract.)

Francis J. E. Spring,
Joint Secretary.

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

Exd. T. K. Narayana Aiyangar.

South Indian Railway Co Ltd
Madura Pamban Railway

3 Pr Cost

Revised Estimate for staking out the centre line from Madura to Paramakudi including Sivagenga Branch
Estimated Length 56 miles

Survey Expenses			
(a) centre line pegs, centre line stones Bench marks, fixing same and book spotting Rs 68×56 miles	3808		
(b) Prospecting line and trial trace from Sembrayandal to Sivgnga Rs 75×10	750		
(c) Preparing Estimates & printing same half cost	250		4808
Plant			
(a) Tents			
1 Swiss Cottage Tent	355		
1 Hill tent	270		
1 Beechoba	50		
10 Servants Pals	545		
1 Necessary Tent	33		
1 Swiss Cottage Tent half cost	275		1528
(b) Instruments			
2 Theodolites at Rs 600/	1200		
2 Levels at Rs 400/	800		
4 Levelling Staves at Rs 50/	200		
3 Sets scales at Rs 10/-	30		
36 Ranging rods at Rs 3/-	108		
4 Measuring chains at Rs 10/-	40		
other items of plant	1500		
Engineer in Chief office Furniture 1/2 cost 350	175		
——— Do ——— Instruments 1/2 Cost 300	150		
	4203		
Deduct 75% on value of Stores returned	3153	1050	2578
Establishment			
(a) Engineer in Chief's office Establishment December to February 99			
Engineer in Chief Nov to Feby 1899 Rs 1870	= 5734		
4 clerks from Dec to Feby 99 Rs 150 to 60	= 323		
2 Draftsman Do Rs 40	= 147		
Carried over	6204		7386

4 Bor Brent

Brought Forward	6204			7386
2 Tracers from Decr to Feby 99 Rs 15 12 2/8 = 117				
11 Menials do	= 142			
Travelling allowance	= 171			
office Expenses	= 230			
Total	6859			
Half Cost		3430		
March to May 1899				
Engineer in chief	5430			
Personal Assistant at 800/.	2400			
6 clerks	630			
2 Draftsman	240			
2 Tracers	113			
11 Menials	245			
Travelling allowances	359			
Office Expenses	150			
Total	9567			
Half cost to Tinnevelly, Quilon	4783			
Half cost to Paramakudi Toi Thai	4784	2392	5822	
Field Establishment				
1 Engineer Decr to Feby 99 at Rs 600/		1233		
1 do portion of Jany & Feby 99 at Rs 500/.		295		
1 do Feby to May 99 at Rs 500/.		1822		
1 do January to May 99 at Rs 400/.		1781		
1 do portion of Decr, Jany & Feby 99 at Rs 250/.		486		
1 Surveyor Decr & Jany 99 at Rs 150/.		160		
1 do Decr to April 99 at Rs 150/.		716		
1 do March to April 99 at Rs 150/.		300		
1 Asstt. do Jany to April at Rs 45/.		175		
1 Clerk Decr 98 to May 99 at Rs 35/.		170		
35 Lascars Decr 98 to April 99 at Rs 8/.		1254		
Travelling allowances Decr 98 to April 99		1800		
Contingencies		1000	11,192	17014
Total				24,400

5 Pm

Budget Estimate

		1898-99	1899-
Survey Expenses			
	Centre Line pegs &c 42½ miles × 68 Rs	2890	
	Preliminary Trace of Sivaganga Branch	750	
	Centre line pegs &c 13½ miles × 68		918
	Preparing Estimate & printing the same ½ cost		250
		3640	1168
Plant			
	Tents as per Estimate	1528	
	Instruments as per estimate	4203	
	Credits to be given on completion		3153
		5731	3153
Establishment			
	Engineer in chief's office Establishment Dec 98 to Feby 99	3430	
	" March to May 99		2392
	1 Engineer Dec 98 to Feby 99 at Rs 600/-	1233	
	1 Do Jany & Feby 99 at Rs 500/-	295	
	1 Do Feby to May 99 at Rs 500/-	322	1500
	1 Do Jany to May 99 at Rs 400/-	581	1200
	1 Do Dec 98, Jany & Feby 99 at Rs 250/	486	
	1 Surveyor Dec 98 Jany 99 at Rs 150/	160	
	1 Do do to April 99 at Rs 150/	416	300
	1 Do March to April 99 at Rs 150/-	-	300
	1 Asstt: Do Jany 99 to April 99 at Rs 45/-	85	90
	1 Clerk Dec 98 to May 99 at Rs 35/-	65	105
	35 Lascars Dec 98 to April 99 at Rs 6/-	694	560
	Travelling allowances	500	1300
	Contingencies	300	700
		8567	8447
Abstract			
	Survey Expenses	3640	1168
	Plant	5731	3153
	Establishment	8567	8447
		17,938	6462
	Total Rs		24,400

(sigd) Theo Mitchell
Engineer in Chief

6 Bro

South Indian Railway Co Ld

Madura Pamban Railway

Revised Estimate for staking out the Centre line from Paramakudi to Soni Torai including the survey of the Island of Rameswaram and Pamban ref Estimate length 67 miles.

Survey Expenses				
	Centre line pegs centre line stone Bench marks fixing ditto and lockspitting Rs 68 x 47	3196		
	Preparing Estimate and printing the same half cost	250		3446
Plant				
Tents.	1 Swiss Cottage Tent	355		
	1 Hill Tent	270		
	8 Servants Pals	445		
	1 Necessary Tent	33		
	1 Swiss Cottage Tent half cost	275	1378	
Instruments				
	2 Theodolites at Rs 600/	1200		
	2 Levels at Rs 400/	800		
	4 Levelling Staves at Rs 50/	200		
	3 Sets scales at Rs 10/	30		
	36 Ranging Rods at Rs 3/-	108		
	4 measuring chains at Rs 10/-	40		
	other item of Plant	1500		
	Engineer in chief office Furniture half cost	175		
	____ do ____ do ____ Instruments do.	150		
		4203		
	Deduct 75 % on value of stores returned	3152	1051	2429
Establishment				
	Engineer in Chief Establishment			
	Dece: to February 1899 - 6859 - ½ Cost	3430		
	March to May 1899			
	4784 - ½ Cost	2392		5822
	Carried over			11,697

	Brought Forward			11,697
Establishment				
	1 Engineer Dec 98 to April 99 at Rs 500	2162		
	1 Surveyor January to April at Rs 125	455		
	1 Surveyor ——— Do ——— Rs 115	505		
	1 Clerk ——— Do ——— Rs 40	193		
	21 Lascars ——— Do ——— Rs 8	691		
	Travelling allowances ———	700		
	Contingencies ———	1000		5706
	Total			17,403

	Budget Estimate		1898-99	1899-1900
Survey Expenses			500	2946
Plant	Tents as per Estimate		1378	
	Instruments as per Estimate		4203	
	Credits to be given on Completion			3152
Establishment				
	Engineer in Chief & office Establishment Dec to May 99		3430	
	——— Do ——— Do — March to May 99			2392
Field Establishment				
	1 Engineer Dec 1898 to April 99 at Rs 500		1162	1000
	1 Surveyor January to April 99 at Rs 125		205	250
	1 Surveyor ——— Do ———	115	275	230
	1 Clerk ——— Do ———	40	113	80
	28 Lascars ——— Do ———	8	355	336
	Travelling allowances		400	300
	Contingencies		300	700
			12,321	5082
Abstract				
	Survey Expenses		500	2946
	Plant		5581	3152
	Establishment		6240	5288
			12,321	5082
	Total			17,403

(Sigd) Theo Michell
Engineer in Chief

Form No. 33.

Urgent

No. 183

South Indian Railway Co., Ld.,

AGENT'S OFFICE,

TRICHINOPOLY, 27th February 1899.

SERIAL No. 20

CONSULTING ENGINEER FOR RAILWAYS RECEIVED 28 FEB. 1899 MADRAS.

1083 28-2-99

From

The AGENT,
SOUTH INDIAN RAILWAY,

To

The CONSULTING ENGINEER FOR RAILWAYS,
MADRAS.

Sir,

With reference to the Estimate for surveying and staking out the two sections of the Madura-Rambaw Railway as embodied in Madras Government Order No. 1349, Railway, dated 2nd November 1898, I have the honor to forward Revised Estimates for the same as under:-

(1) Madura to Paramagudi with the Branch to Sivagunga .. Rs 24,400

(2) Paramagudi to Toni-Torai and Surveying the island of Rameswaram and the Pambaw Reef ... " 17,403

Total Rs 41,803

and request sanction to the adoption of the figures now given. The excess of Rs 14,111 over the Estimates as first submitted is due to the Salary of the Engineer-in-Chief being provided for, as well as the work on the first Section lasting a month longer than originally anticipated.

The Estimates now sent provide for:-

(a) the whole pay of the Engineer-in-Chief, and of his Office Staff, for November 1898 to February 1899 inclusive.

(b)

150

(b) half the pay of the Engineer-in-Chief, and of his Office Staff March to May 1899 inclusive; the other moiety of the pay of the Engineer-in-Chief and of his office Staff during March to May 1899 being charged to the Tinnevelly-Quilon Railway Survey.

I have the honor to be,
Sir,
Your most Obedient Servant,
A.G.G. Shelley.
Captain R.E.
Agent.

2. Enclosures, herewith.

Dated
Received 189 .

No.

Enclosure.

Form No. 38.

OFFICE OF THE CONSULTING ENGINEER FOR RAILWAYS,
Madras, 28th February 1899.

T. 118
Recd. 28 FEB. 1899
RAILWAY ACCOUNTS, MADRAS.

No. 696

SERIAL
No. 24(a)

OFFICE NOTE.

Letter from the Agent, South Indian Railway, No. 183, dated 27th February 1899, forwarded to the Examiner of Railway Accounts for remarks.

A.B.
for E. R.

To E.R. for sanction
The estimate anticipates the completion of the survey altogether in May. The establishment is a strong one but there is all the better as there will be plenty of future work for them
3/3/99.

Forward to Madras with recommendation that it be sanctioned. Let draft be countersigned by CR. before issue.
7/3
6/3/99 80

EXAMINER'S REPLY.

The E.R. approves of the revised estimates now submitted. They may be forwarded to the Govt. of India for sanction.

Wallace
CR 1/3/99
Read against the Govt. Rly
Gr. No 1349 Rly 2.11.1898
Read also the Govt. Rly
E.R. current No 1083 Rly 25.2.1899 & No A.
No 277 Rly 9.3.1899
The Govt. of India will be addressed
(Sd) F.T.E.S.
R

Form No. 11.

Draft

9P

No. 278. Ry.

GENERAL No. 246

Government of Madras,

PUBLIC WORKS DEPARTMENT,

RAILWAY BRANCH.

To

The Secretary to the Government of India,

Public Works Department,

S I M L A.

Madras, the 9th March 1899.

Sir,

With reference to the estimates amounting to R. 27,698 for surveying and staking out the two sections of the Madura--Pamban Railway sanctioned in Government of India, Public Works Department, letter No. 1587 R.C. dated 22nd October 1898, I am directed to forward herewith, a copy of letter from the Agent, South Indian Railway, No. 183 dated 27th February 1899, submitting Revised Estimates of the cost of the survey amounting to R. 41,803 as under:-

(1)	Madura to Paramagudi with the Branch to Sivaganga ...	R. 24,400
(2)	Paramagudi to Toni Torai, and for surveying the island of Rameswaram and the Pamban Reef...	" 17,403
	Total R...	R. 41,803

2. The excess as compared with the estimate already sanctioned is due to provision being made for the whole salary of the Engineer-in-Chief for the months

A.R.K. [illegible] N11.

December 1898 to February 1899 and half salary for the months February 1899 to May 1899, the other half being debitable to the Travancore Railway. The estimate provides for the very necessary survey of the Island of Rameswaram and Pamban Reef, and it is anticipated that the work will be completed in May next. Under these circumstances I am to recommend that the estimates now submitted may be sanctioned.

I have the honour to be,

Sir,

Your Most Obedient Servant,

7/4/99

Joint Secretary.

8/3/99

Documents accompanying:-

Copy of Agent's letter referred to with enclosures.

C.I.² by C.R.

Despatched on 10/3/99

H.D.

Public Works (1899) Department.

A (Printing) Quote Read again
G.O. No 349 Ry dt 2.11.98 (SN 14) CURRENT No. 590
Read also
G.O. No 277-98 Ry dt 5.3.99 Printing SN 24(a) & (b)
Letter from the Govt of India No. 644 RC dt 14.4.99.

AF

11/8

From The Govt of India

Order No 476 Ry dated 26/4/99
Communicated to the Agent S.I.R.

No. 644. R.C

7/4/99

Dated the 14th April 1899

R

25/4/99

Received " 24th " —"—

Registered

Enclosures

Spare copies

SUBJECT.

Madura-Tambaram Ry
Sanctioning the revised estimate of Rs 41,803 for surveying & staking out the sections of the —

To The Agent S.I.Ry M/o Despatched on 26/4/99
" The Acct Ry Accountant
" Chief Engr for Rys

Despatched on 15/5/99.

29
25/5/99

A.R.K. 11564. Nil.

BACK PAPERS.

No.	Date.

FURTHER PAPERS.

No.	Date.

108

No.644 R.C.

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.

RAILWAY CONSTRUCTION.

All communications should be addressed to the Secretary.

To

The Joint Secretary to the Government of Madras,

Public Works Department, Railway Branch.

Simla, the 14th April 1899.

Sir,

I am directed to acknowledge the receipt of your letter No.278 Railway, dated the 9th March 1899, and in reply to convey the sanction of the Government of India to the Revised Estimate therewith forwarded amounting to Rs.41,803, of the cost of surveying and staking out the undermentioned sections of the Madura Pamban Railway:-

(1) Madura to Paramagudi with Branch to Sivaganga.....	Rs.24,400
(2) Paramagudi to Toni Torai and for surveying the island of Rameswaram and the Pamban Reef.....	Rs.17,403
Total	Rs.41,803

2. The sanction herein accorded, which is in supersession of that accorded in Public Works Department letter No.1587 R.C dated 22nd October 1898 to an estimate amounting to Rs.27,692 on account of the Surveys in question, has been registered as No.3 Railway Surveys of 1899-1900.

I have the honour to be,
Sir,
Your most obedient servant,

C.S. Wd.

Offg. Under Secretary.

A.R.K.

Documents accompanying :-
Nil.

1·3/90/RH

Public Works (1899) Department.

RAILWAY BRANCH.

G.O., No. 476. Ry.

DATED 26th April 1899.

Encls.

— G. Copies (2) of No. 278 Ry. dt. 7/2/99

[Despatch Abstract.]

Madura-Tenkasi Railway.

Commung: to the Agent, S.I.Ry, letter from the Govt. of India sanctioning the revised estimate of Rs 41,803 for surveying and staking out the sections of the —

Indexed

[P. W. D. 99-11-3-99.]

BACK PAPERS.

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

FURTHER PAPERS.

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

RAILWAY.

Government {1899} of Madras.

PUBLIC WORKS.

Recd. } 1899. *Enclosures*

Regd. } *Spare copies*

G.O., No. 476 Ry., 26th April 1899.

APRIL.

Madura-Pamban Railway

Communicating to the Agent, South Indian Railway, letter from the Government of India sanctioning the revised estimate of Rs. 41,803 for surveying and staking out the sections of the —.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Railway.

Read again the following papers :—

G.O., No. 1349 Ry., dated 2nd November 1898.

Read the following papers :—

From—The Agent, South Indian Railway.
To—The Consulting Engineer for Railways.
Dated—Trichinopoly, 27th February 1899, No. 183.

With reference to the estimate for surveying and staking out the two sections of the Madura-Pamban Railway as embodied in Madras Government Order No. 1349 Ry., dated 2nd November 1898, I have the honour to forward revised estimates for the same as under :—

	Rs.
(1) Madura to Paramagudi with the branch to Sivaganga	24,400
(2) Paramagudi to Toni Torai and surveying the island of Rameswaram and the Pamban Reef	17,403
Total ...	41,803

and request sanction to the adoption of the figures now given. The excess of Rupees 14,111 over the estimates as first submitted is due to the salary of the Engineer-in-Chief being provided for, as well as the work on the first section lasting a month longer than originally anticipated.

The estimates now sent provide for—

(*a*) the *whole* pay of the Engineer-in-Chief, and of his office staff, for November 1898 to February 1899, inclusive ;

(*b*) *half* the pay of the Engineer-in-Chief, and of his office staff, March to May 1899, inclusive ;

the other moiety of the pay of the Engineer-in-Chief and of his office staff during March to May 1899, being charged to the Tinnevelly-Quilon Railway Survey.

Enclosures.

SOUTH INDIAN RAILWAY COMPANY (Ld.)

Madura-Pamban Railway.

Revised estimate for staking out the centre line from Madura to Paramagudi including Sivaganga Branch—Estimated length, 56 miles.

	Rs.	Rs.	Rs.
Survey Expenses.			
(*a*) Centre line pegs, centre line stones, bench marks, fixing same and lockspitting Rs. 68 × 56 miles	3,808		
(*b*) Prospecting line and trial trace from Sembrayandal to Sivaganga, Rs. 75 × 10	750		
(*c*) Preparing estimates and printing same, half cost	250		
			4,808
Plant.			
(*a*) Tents—			
1 Swiss cottage tent	355		
1 Hill tent	270		
1 Beechoba	50		
10 Servants' pals	545		
1 Necessary tent	33		
1 Swiss cottage tent, half cost	275		
		1,528	
(*b*) Instruments—			
2 Theodolites at .. .. Rs. 600	1,200		
2 Levels at .. .. „ 400	800		
4 Levelling staves at .. .. „ 50	200		
3 Sets scales at .. .. „ 10	30		
36 Ranging rods at .. .. „ 3	108		
4 Measuring chains at .. .. „ 10	40		
Other items of plant	1,500		
Engineering-in-Chief, office furniture, half cost .. Rs. 350	175		
„ „ instruments, half cost .. „ 300	150		
	4,203		
Deduct—75 per cent. on value of stores returned ..	3,153		
		1,050	
			2,578
Establishment.			
(*a*) Engineer-in-Chief and office establishment (Dec. to Feb. 1899)—	Rs.		
Engineer-in-Chief (Nov. to Feb. 1899), Rs. 1,870 =	5,734		
4 Clerks from Dec. to Feb. 1899, Rs. 15 to 60 =	323		
2 Draftsmen from Dec. to Feb. 1899, Rs. 40 =	147		
2 Tracers from Dec. to Feb. 1899, Rs. 15 to 22½ =	112		
11 Menials from Dec. to Feb. 1899 .. .. =	142		
Travelling allowance .. .. .. =	171		
Office expenses .. .. =	230		
Total ..	6,859		
Half cost		3,430	
March to May 1899—	Rs.		
Engineer-in-Chief	5,430		
Personal Assistant at Rs. 800	2,400		
6 Clerks	630		
2 Draftsmen	240		
2 Tracers	113		
11 Menials	245		
Travelling allowances	359		
Office expenses	150		
Total ..	9,567		
Half cost to Tinnevelly-Quilon	4,783		
„ to Paramagudi-Toni Torai	4,784		
		2,392	
		5,822	
Field Establishment.			
1 Engineer (December to February 1899) at .. .. Rs. 600	1,233		
1 „ (portion of January and February 1899) at .. „ 500	295		
1 „ (February to May 1899) at .. .. .. „ 500	1,822		
1 „ (January to May 1899) at .. .. .. „ 400	1,781		
1 „ (portion of December, January and Feb. 1899) at „ 250	486		
1 „ (December and January 1899) at .. .. „ 150	160		
1 Surveyor (December to April 1899) at .. .. „ 150	716		
1 „ (March to April 1899) at .. .. „ 150	300		
1 „ Assistant Surveyor (January to April) at .. .. „ 45	175		
1 Clerk (December 1898 to May 1899) at .. .. „ 35	170		
35 Lascars (December 1898 to April 1899) .. .. „ 8	1,254		
Travelling allowances (December 1898 to April 1899)	1,800		
Contingencies	1,000		
		11,192	
			17,014
		Total ..	24,400

Budget Estimate.

		1898-99.	1899-1900.
	Survey Expenses.		
Centre line pegs, &c., 42½ miles × 68 Rs.		Rs. 2,890	Rs.
Preliminary trace of Sivaganga branch		750	..
Centre line pegs, &c. 13⅔ miles × 68		..	..
Preparing estimate and printing the same, half cost		..	918
		..	250
		3,640	1,168
	Plant.		
Tents as per estimate		1,528	..
Instruments as per estimate		4,203	..
Credits to be given on completion		..	3,153
		5,731	3,153
	Establishment.		
Engineer-in-Chief and office establishment (December 1898 to February 1899)		3,430	..
,, ,, (March to May 1899)		..	2,392
1 Engineer (December 1898 to February 1899) at	Rs. 600	1,233	..
1 ,, (January and February 1899) at	,, 500	295	..
1 ,, (February to May 1899) at	,, 500	322	1,500
1 ,, (January to May 1899) at	,, 400	581	1,200
1 Surveyor (December 1898—January 1899) at	,, 250	486	..
1 ,, (December to April 1899) at	,, 150	160	..
1 ,, (March to April 1899) at	,, 150	416	300
1 Assistant Surveyor (January 1899 to April 1899) at	,, 150	..	300
1 Clerk (December 1898 to May 1899) at	,, 45	85	90
35 Lascars (December 1898 to April 1899) at	,, 35	65	105
Travelling allowances	,, 8	694	560
Contingencies		500	1,300
		300	700
		8,567	8,447
	Abstract.		
Survey expenses		3,640	1,168
Plant		5,731	3,153
Establishment		8,567	8,447
		17,938	6,462
	Total ..	24,400	

Revised estimate for staking out the centre line from Paramagudi to Toni Torai, including the survey of the island of Rameswaram and Pamban Reef—Estimated length 47 miles.

		Rs.	Rs.	Rs.
	Survey Expenses.			
Centre line pegs centre line stones, bench marks, fixing ditto and lock-spitting,		3,196		
Preparing estimates and printing the same, half cost	Rs. 68 × 47	250		
				3,446
	Plant.			
Tents—				
1 Swiss cottage tent		355		
1 Hill tent		270		
8 Servants' pals		445		
1 Necessary tent		33		
1 Swiss cottage tent, half cost		275		
	Instruments.			
2 Theodolites at	Rs. 600	1,200	1,378	
2 Levels at	,, 400	800		
4 Levelling staves at	,, 50	200		
3 Sets scales at	,, 10	30		
36 Ranging rods at	,, 3	108		
4 Measuring chains at	,, 10	40		
Other items of plant		1,500		
Engineer-in-Chief office furniture, half cost		175		
Do. do. Instruments, half cost		150		
	Deduct—75 per cent. on value of stores returned	4,203		
		3,152	1,051	
	Establishment.			2,429
Engineer-in-Chief establishment (December to February 1899), Rs. 6,859, half cost				
March to May 1899, Rs. 4,784, half cost		3,430		
		2,392		
1 Engineer (December 1898 to April 1899) at	Rs. 500	2,162		
1 Surveyor (January to April) at	,, 125	455		5,822
1 Surveyor (,,) at	,, 115	505		
1 Clerk (,,) at	,, 40	193		
21 Lascars (,,) at	,, 8	691		
Travelling allowance		700		
Contingencies		1,000		
				5,706
	Total ..			17,403

Budget Estimate.

		1898-99.	1899-1900.
		500	2,946
Survey expenses		1,378	..
	Plant.	4,203	..
Tents as per estimate		..	3,152
Instruments as per estimate			
Credits to be given on completion			
	Establishment.	3,430	..
Engineer-in-Chief and office establishment (December to February 1899)		..	2,392
,, (March to May 1899)			
	Field Establishments.		
1 Engineer (December 1898 to April 1899) at	Rs. 500	1,162	1,000
1 Surveyor (January to April 1899) at	,, 125	205	250
1 ,, (,,)	,, 115	275	230
1 Clerk (,,)	,, 40	113	80
28 Lascars (,,)	,, 8	355	336
Travelling allowances		400	300
Contingencies		300	700
		12,321	5,082
	Abstract.	500	2,946
Survey expenses		5,581	3,152
Plant		6,240	5,288
Establishment		12,321	5,082
	Total ..	17,403	

Order—No. 277 Ry., dated 9th March 1899.

The Government of India will be addressed.

From—The Joint Secretary to the Govt. of Madras, P.W. Dept., Railway Branch.
To—The Secretary to the Government of India, Public Works Department, Simla.
Dated—Madras, 9th March 1899, No. 278 Ry.

With reference to the estimates amounting to Rs. 27,692 for surveying and staking out the two sections of the Madura-Pamban Railway, sanctioned in Government of India, Public Works Department, letter No. 1587 R.C., dated 22nd October 1898, I am directed to forward, herewith, a copy of letter from the Agent, South Indian Railway, No. 183, dated 27th February 1899, submitting revised estimates of the cost of the survey, amounting to Rs. 41,803 as under:—

		Rs.
(1)	Madura to Paramagudi with the branch to Sivaganga	24,400
(2)	Paramagudi to Toni Torai, and for surveying the island of Rameswaram and the Pamban Reef	17,403
	Total ...	41,803

2. The excess over the sanction already accorded is due to provision being now made for the whole salary of the Engineer-in-Chief for the months December 1898 to February 1899 and half salary for the months February 1899 to May 1899, the other half being debitable to the Travancore Railway. The estimate provides for the very necessary survey of the island of Rameswaram and Pamban Reef. and it is anticipated that the work will be completed in May next. Under these circumstances I am to recommend that the estimates now submited may be sanctioned.

Read also the following paper:—

From—The Secretary to the Government of India, Public Works Department.
To—The Joint Secretary to the Government of Madras, P.W. Dept., Ry. Branch.
Dated—Simla, 14th April 1899, No. 644 R.C.

I am directed to acknowledge the receipt of your letter No. 278 Ry., dated the 9th March 1899, and in reply to convey the sanction of the Government of India to the revised estimate therewith forwarded amounting to Rs. 41,803, of the cost of surveying and staking out the undermentioned sections of the Madura-Pamban Railway:—

	Rs.
(1) Madura to Paramagudi with branch to Sivaganga	24,400
(2) Paramagudi to Toni Torai, and for surveying the island of Rameswaram and the Pamban Reef	17,403
Total ...	41,803

2. The sanction herein accorded, which is in supersession of that accorded in Public Works Department letter No. 1587 R.C., dated 22nd October 1898, to an estimate amounting to Rs. 27,692 on account of the surveys in question, has been registered as No. 3 Railway Surveys of 1899–1900.

Order—No. 476 Ry., dated 26th April 1899.

Communicated to the Agent, South Indian Railway.

(True Extract.)

Francis J. E. Spring,
Joint Secretary.

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

Exd. T. K. Narayana Aiyangar.

South Indian Railway Co Ltd
Madura Pamban Railway

3 Pr Cost

Revised Estimate for staking out the centre line from Madura to Paramakudi including Sivagenga Branch
Estimated Length 56 miles

Survey Expenses			
(a) centre line pegs, centre line stones Bench marks, fixing same and book spotting Rs 68×56 miles	3808		
(b) Prospecting line and trial trace from Sembrayandal to Sivgnga Rs 75×10	750		
(c) Preparing Estimates & printing same half cost	250		4808
Plant			
(a) Tents			
1 Swiss Cottage Tent	355		
1 Hill tent	270		
1 Beechoba	50		
10 Servants Pals	545		
1 Necessary Tent	33		
1 Swiss Cottage Tent half cost	275		1528
(b) Instruments			
2 Theodolites at Rs 600/	1200		
2 Levels at Rs 400/	800		
4 Levelling Staves at Rs 50/	200		
3 Sets scales at Rs 10/-	30		
36 Ranging rods at Rs 3/-	108		
4 Measuring chains at Rs 10/-	40		
other items of plant	1500		
Engineer in Chief office Furniture 1/2 cost 350	175		
——— Do ——— Instruments 1/2 Cost 300	150		
	4203		
Deduct 75% on value of Stores returned	3153	1050	2578
Establishment			
(a) Engineer in Chief's office Establishment December to February 99			
Engineer in Chief Nov to Feby 1899 Rs 1870	= 5734		
4 clerks from Dec to Feby 99 Rs 150 to 60	= 323		
2 Draftsman Do Rs 40	= 147		
Carried over	6204		7386

4 Bor Brent

Brought Forward	6204			7386
2 Tracers from Decr to Feby 99 Rs 15 12 2/8 = 117				
11 Menials do	= 142			
Travelling allowance	= 171			
office Expenses	= 230			
Total	6859			
Half Cost		3430		
March to May 1899				
Engineer in chief	5430			
Personal Assistant at 800/.	2400			
6 clerks	630			
2 Draftsman	240			
2 Tracers	113			
11 Menials	245			
Travelling allowances	359			
Office Expenses	150			
Total	9567			
Half cost to Tinnevelly, Quilon	4783			
Half cost to Paramakudi Toi Thai	4784	2392	5822	
Field Establishment				
1 Engineer Decr to Feby 99 at Rs 600/		1233		
1 do portion of Jany & Feby 99 at Rs 500/.		295		
1 do Feby to May 99 at Rs 500/.		1822		
1 do January to May 99 at Rs 400/.		1781		
1 do portion of Decr, Jany & Feby 99 at Rs 250/.		486		
1 Surveyor Decr & Jany 99 at Rs 150/.		160		
1 do Decr to April 99 at Rs 150/.		716		
1 do March to April 99 at Rs 150/.		300		
1 Asstt. do Jany to April at Rs 45/.		175		
1 Clerk Decr 98 to May 99 at Rs 35/.		170		
35 Lascars Decr 98 to April 99 at Rs 8/.		1254		
Travelling allowances Decr 98 to April 99		1800		
Contingencies		1000	11,192	17014
Total				24,400

5 Pm

Budget Estimate

		1898-99	1899-
Survey Expenses			
	Centre Line pegs &c 42½ miles × 68 Rs	2890	
	Preliminary Trace of Sivaganga Branch	750	
	Centre line pegs &c 13½ miles × 68		918
	Preparing Estimate & printing the same ½ cost		250
		3640	1168
Plant			
	Tents as per Estimate	1528	
	Instruments as per estimate	4203	
	Credits to be given on completion		3153
		5731	3153
Establishment			
	Engineer in chief's office Establishment Dec 98 to Feby 99	3430	
	" March to May 99		2392
	1 Engineer Dec 98 to Feby 99 at Rs 600/-	1233	
	1 Do Jany & Feby 99 at Rs 500/-	295	
	1 Do Feby to May 99 at Rs 500/-	322	1500
	1 Do Jany to May 99 at Rs 400/-	581	1200
	1 Do Dec 98, Jany & Feby 99 at Rs 250/	486	
	1 Surveyor Dec 98 Jany 99 at Rs 150/	160	
	1 Do do to April 99 at Rs 150/	416	300
	1 Do March to April 99 at Rs 150/-	-	300
	1 Asstt: Do Jany 99 to April 99 at Rs 45/-	85	90
	1 Clerk Dec 98 to May 99 at Rs 35/-	65	105
	35 Lascars Dec 98 to April 99 at Rs 6/-	694	560
	Travelling allowances	500	1300
	Contingencies	300	700
		8567	8447
Abstract			
	Survey Expenses	3640	1168
	Plant	5731	3153
	Establishment	8567	8447
		17,938	6462
	Total Rs		24,400

(sigd) Theo Mitchell
Engineer in Chief

6 Bro

South Indian Railway Co Ld

Madura Pamban Railway

Revised Estimate for staking out the Centre line from Paramakudi to Soni Torai including the survey of the Island of Rameswaram and Pamban ref Estimate length 67 miles.

Survey Expenses				
	Centre line pegs centre line stone Bench marks fixing ditto and lockspitting Rs 68 x 47	3196		
	Preparing Estimate and printing the same half cost	250		3446
Plant				
Tents.	1 Swiss Cottage Tent	355		
	1 Hill Tent	270		
	8 Servants Pals	445		
	1 Necessary Tent	33		
	1 Swiss Cottage Tent half cost	275	1378	
Instruments				
	2 Theodolites at Rs 600/	1200		
	2 Levels at Rs 400/	800		
	4 Levelling Staves at Rs 50/	200		
	3 Sets scales at Rs 10/	30		
	36 Ranging Rods at Rs 3/-	108		
	4 measuring chains at Rs 10/-	40		
	other item of Plant	1500		
	Engineer in chief office Furniture half cost	175		
	____ do ____ do ____ Instruments do.	150		
		4203		
	Deduct 75 % on value of stores returned	3152	1051	2429
Establishment				
	Engineer in Chief Establishment			
	Dece: to February 1899 - 6859 - ½ Cost	3430		
	March to May 1899			
	4784 - ½ Cost	2392		5822
	Carried over			11,697

	Brought Forward			11,697
Establishment				
	1 Engineer Dec 98 to April 99 at Rs 500	2162		
	1 Surveyor January to April at Rs 125	455		
	1 Surveyor ——— Do ——— Rs 115	505		
	1 Clerk ——— Do ——— Rs 40	193		
	21 Lascars ——— Do ——— Rs 8	691		
	Travelling allowances ———	700		
	Contingencies ———	1000		5706
	Total			17,403

	Budget Estimate		1898-99	1899-1900
Survey Expenses			500	2946
Plant	Tents as per Estimate		1378	
	Instruments as per Estimate		4203	
	Credits to be given on Completion			3152
Establishment				
	Engineer in Chief & office Establishment Dec to May 99		3430	
	——— Do ——— Do — March to May 99			2392
Field Establishment				
	1 Engineer Dec 1898 to April 99 at Rs 500		1162	1000
	1 Surveyor January to April 99 at Rs 125		205	250
	1 Surveyor ——— Do ———	115	275	230
	1 Clerk ——— Do ———	40	113	80
	28 Lascars ——— Do ———	8	355	336
	Travelling allowances		400	300
	Contingencies		300	700
			12,321	5082
Abstract				
	Survey Expenses		500	2946
	Plant		5581	3152
	Establishment		6240	5288
			12,321	5082
	Total			17,403

(Sigd) Theo Michell
Engineer in Chief

Form No. 33.

Urgent

No. 183

South Indian Railway Co., Ld.,

AGENT'S OFFICE,

TRICHINOPOLY, 27th February 1899.

SERIAL No. 20

CONSULTING ENGINEER FOR RAILWAYS RECEIVED 28 FEB. 1899 MADRAS.

1083 28-2-99

From

The AGENT,
SOUTH INDIAN RAILWAY,

To

The CONSULTING ENGINEER FOR RAILWAYS,
MADRAS.

Sir,

With reference to the Estimate for surveying and staking out the two sections of the Madura-Rambaw Railway as embodied in Madras Government Order No. 1349, Railway, dated 2nd November 1898, I have the honor to forward Revised Estimates for the same as under:-

(1) Madura to Paramagudi with the Branch to Sivagunga .. Rs 24,400

(2) Paramagudi to Toni-Torai and Surveying the island of Rameswaram and the Pambaw Reef ... " 17,403

Total Rs 41,803

and request sanction to the adoption of the figures now given. The excess of Rs 14,111 over the Estimates as first submitted is due to the Salary of the Engineer-in-Chief being provided for, as well as the work on the first Section lasting a month longer than originally anticipated.

The Estimates now sent provide for:-

(a) the whole pay of the Engineer-in-Chief, and of his Office Staff, for November 1898 to February 1899 inclusive.

(b)

150

(b) half the pay of the Engineer-in-Chief, and of his Office Staff March to May 1899 inclusive; the other moiety of the pay of the Engineer-in-Chief and of his office Staff during March to May 1899 being charged to the Tinnevelly-Quilon Railway Survey.

I have the honor to be,
Sir,
Your most Obedient Servant,
A.G.G. Shelley.
Captain R.E.
Agent.

2. Enclosures, herewith.

Dated
Received 189 .

No.

Enclosure.

Form No. 38.

OFFICE OF THE CONSULTING ENGINEER FOR RAILWAYS,
Madras, 28th February 1899.

T. 118
Recd. 28 FEB. 1899
RAILWAY ACCOUNTS, MADRAS.

No. 696

SERIAL
No. 24(a)

OFFICE NOTE.

Letter from the Agent, South Indian Railway, No. 183, dated 27th February 1899, forwarded to the Examiner of Railway Accounts for remarks.

A.B.
for E. R.

To E.R. for sanction
The estimate anticipates the completion of the survey altogether in May. The establishment is a strong one but there is all the better as there will be plenty of future work for them
3/3/99.

Forward to Madras with recommendation that it be sanctioned. Let draft be countersigned by CR. before issue.
7/3
6/3/99 80

EXAMINER'S REPLY.

The E.R. approves of the revised estimates now submitted. They may be forwarded to the Govt. of India for sanction.

Wallace
CR 1/3/99
Read against the Govt. Rly
Gr. No 1349 Rly 2.11.1898
Read also the Govt. Rly
E.R. current No 1083 Rly 25.2.1899 & No A.
No 277 Rly 9.3.1899
The Govt. of India will be addressed
(Sd) F.T.E.S.
R

Form No. 11.

Draft

9P

No. 278. Ry.

GENERAL No. 246

Government of Madras,

PUBLIC WORKS DEPARTMENT,

RAILWAY BRANCH.

To

The Secretary to the Government of India,

Public Works Department,

S I M L A.

Madras, the 9th March 1899.

Sir,

With reference to the estimates amounting to R. 27,698 for surveying and staking out the two sections of the Madura--Pamban Railway sanctioned in Government of India, Public Works Department, letter No. 1587 R.C. dated 22nd October 1898, I am directed to forward herewith, a copy of letter from the Agent, South Indian Railway, No. 183 dated 27th February 1899, submitting Revised Estimates of the cost of the survey amounting to R. 41,803 as under:-

(1)	Madura to Paramagudi with the Branch to Sivaganga ...	R. 24,400
(2)	Paramagudi to Toni Torai, and for surveying the island of Rameswaram and the Pamban Reef...	" 17,403
	Total R...	R. 41,803

2. The excess as compared with the estimate already sanctioned is due to provision being made for the whole salary of the Engineer-in-Chief for the months

A.R.K. [illegible] N11.

December 1898 to February 1899 and half salary for the months February 1899 to May 1899, the other half being debitable to the Travancore Railway. The estimate provides for the very necessary survey of the Island of Rameswaram and Pamban Reef, and it is anticipated that the work will be completed in May next. Under these circumstances I am to recommend that the estimates now submitted may be sanctioned.

I have the honour to be,

Sir,

Your Most Obedient Servant,

7/4/99

Joint Secretary.

8/3/99

Documents accompanying:-

Copy of Agent's letter referred to with enclosures.

C.I.² by C.R.

Despatched on 10/3/99

H.D.

Public Works (1899) Department.

A (Printing) Quote Read again
G.O. No 349 Ry dt 2.11.98 (SN 14) CURRENT No. 590
Read also
G.O. No 277-98 Ry dt 5.3.99 Printing SN 24(a) & (b)
Letter from the Govt of India No. 644 RC dt 14.4.99.

AF

11/8

From The Govt of India

Order No 476 Ry dated 26/4/99
Communicated to the Agent S.I.R.

No. 644. R.C

7/4/99

Dated the 14th April 1899

R

25/4/99

Received " 24th " —"—

Registered

Enclosures

Spare copies

SUBJECT.

Madura-Tambaram Ry
Sanctioning the revised estimate of Rs 41,803 for surveying & staking out the sections of the —

To The Agent S.I.Ry M/o Despatched on 26/4/99
" The Acct Ry Accountant
" Chief Engr for Rys

Despatched on 15/5/99.

29
25/5/99

A.R.K. 11564. Nil.

BACK PAPERS.

No.	Date.

FURTHER PAPERS.

No.	Date.

108

No.644 R.C.

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.

RAILWAY CONSTRUCTION.

All communications should be addressed to the Secretary.

To

The Joint Secretary to the Government of Madras,

Public Works Department, Railway Branch.

Simla, the 14th April 1899.

Sir,

I am directed to acknowledge the receipt of your letter No.278 Railway, dated the 9th March 1899, and in reply to convey the sanction of the Government of India to the Revised Estimate therewith forwarded amounting to Rs.41,803, of the cost of surveying and staking out the undermentioned sections of the Madura Pamban Railway:-

(1) Madura to Paramagudi with Branch to Sivaganga.....	Rs.24,400
(2) Paramagudi to Toni Torai and for surveying the island of Rameswaram and the Pamban Reef.....	Rs.17,403
Total	Rs.41,803

2. The sanction herein accorded, which is in supersession of that accorded in Public Works Department letter No.1587 R.C dated 22nd October 1898 to an estimate amounting to Rs.27,692 on account of the Surveys in question, has been registered as No.3 Railway Surveys of 1899-1900.

I have the honour to be,
Sir,
Your most obedient servant,

C.S. Wd.

Offg. Under Secretary.

A.R.K.

Documents accompanying :-
Nil.