

1.3/90/RH

Public Works (1899) Department.

Print

RAILWAY BRANCH.

G.O., No. 469. Ry.

DATED 25th April 1899.

Includes G.O. No. 285 Ry. 1-3-99

Rate $\frac{150}{2}$

[Despatch Abstract.]

Survey of a line from Tirupaturo
to Krishnagiri

Containing the recent, July, letter
from the Govt of India sanctioning
with remarks the estimate amounting
to Rs. 11,362 of the cost of the — a distance
of 25 miles.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Railway.

Read the following papers :—

From—The Agent and Manager, Madras Railway.

To—The Consulting Engineer for Railways.

Dated—Madras, 21st February 1899, No. 11466/198.

I have the honour to forward herewith, for the sanction of Government, a detailed estimate, amounting to Rs. 11,362, or Rs. 299 per mile, for a complete survey of a line from Tiruppattur to Krishnagiri and Patchur to Krishnagiri.

Although I think myself a light 2' 0" railway should be laid between Tirupattur and Krishnagiri, it would be well to have a survey made also from Patchur to Krishnagiri that we may know what the difference in the cost of the two lines would be.

ENCLOSURES.

TIRUPPATTUR-KRISHNAGIRI—PATCHUR-KRISHNAGIRI SURVEY.

General Abstract Estimate.

Main and sub-heads.	Abstract.	
	Sub-head.	Main head.
I. Survey expenses—	Rs.	Rs.
(a) Field expenses ..	1,884	
(b) Office expenses ..	911	
II. Plant—		2,795
(a) Tents ..		
(b) Furniture ..	1,232	
(c) Instruments ..	214	
(d) Tools ..	1,972	
III. Establishment ..	85	
	7,964	3,508
	Total ..	7,064
Deduct—anticipated credits, value of plant less freight charges ..		13,362
Net estimate cost of the survey, 38 miles, at Rs. 299 per mile ..		11,362

I.—Survey Expenses.

Description of work.	Quantity.	Rate.	Per.	Amount.
(a) Field Expenses.		RS. A. P.		RS.
Lockspitting ..	38 Miles.	10 0 0	Mile.	380
Pegs, large ..	500 No.	8 0 0	100	40
" small ..	5,000 "	4 0 0	100	200
Mallets ..	10 "	1 0 0	Each.	10
Compensation for crops ..	5 Carts.	1 0 0	Day.	300
Cart-hire, for two months ..	30 Days.	10 0 0	"	300
Coolies, jungle-cutting ..	"	"	"	20
Rope string, &c. ..	"	"	"	15
Cloth for flags ..	"	"	"	15
Paint ..	"	"	"	15
Nails, screws ..	"	"	"	89
Contingencies, 5 per cent. ..	"	"	"	
Total, (a) Field Expenses ..	"	"	"	1,884
(b) Office Expenses.				
Stationery, ordinary ..	4 Months.	56 4 0	Each.	225
Forms, books, &c. ..	4 "	37 8 0	"	150
Paper, double elephant ..	4 Quires.	17 0 0	"	68
" mounted ..	4 Rolls.	40 0 0	"	160
Tracing cloth ..	9 "	15 0 0	"	135
Section paper ..	4 Quires.	20 0 0	"	80
Drawing pins, colors, saucers, pencil, rubber, &c. ..	"	"	"	50
Contingencies, 5 per cent. ..	"	"	"	43
Total, (b) Office Expenses ..	"	"	"	911

II.—Plant.

Description of work.	Quantity.	Rate.	Per.	Amount.
(a) Camp Equipage.		RS. A. P.		RS. A. P.
Tents, hill ..	2 No.	187 0 0	Each.	374 0 0
" swiss ..	1 "	197 0 0	"	197 0 0
" shooting pals ..	2 "	100 0 0	"	200 0 0
" rowler ..	1 "	160 0 0	"	160 0 0
" servants' pal ..	1 "	20 0 0	"	20 0 0
" necessary ..	1 "	22 0 0	"	22 0 0
Bath-room ..	1 "	20 0 0	"	20 0 0
General service ..	3 "	60 0 0	"	180 0 0
Contingencies ..	"	"	"	59 0 0
Total, (a) Camp Equipage ..	"	"	"	1,232 0 0
(b) Furniture.				
Table, drawing ..	1 No.	25 0 0	Each.	25 0 0
" office ..	1 "	30 0 0	"	30 0 0
" ..	1 "	4 10 0	"	4 10 0
Chairs ..	5 "	3@ 1 11 0	"	12 1 0
Stools ..	2 "	2@ 3 8 0	"	6 0 0
Stationery chests ..	1 "	3 0 0	"	20 0 0
Cash-safe ..	1 "	20 0 0	"	20 0 0
Camp boxes ..	3 "	6 0 0	"	18 0 0
Despatch boxes ..	1 "	20 0 0	"	20 0 0
Medicine chests, full ..	1 "	6 0 0	"	18 0 0
Lanterns ..	3 "	1@ 0 9 6	"	10 9 0
Padlocks ..	6 "	5@ 2 0 0	"	10 3 0
Contingencies, 5 per cent. ..	"	"	"	214 7 0
Total, (b) Furniture ..	"	"	"	

II.—Plant—cont.

Description of work.	Quantity.	Rate.	Per.	Amount.
(c) Instruments.				
Theodolite	1	No.		
Levels	4	"		
Levelling staves	4	"		
Compasses, prismatic	1	"		
Ranging rods	15	"		
Umbrellas	4	"		
Drawing boards	2	"		
Instrument boxes, 2nd class	2	"		
Stencil plates	1	Set.		
Parallel rulers of sizes	2	No.		
Tape, 100 feet, metallic	4	"		
Hundred feet chains, with arrows	4	"		
Curves	1	Set.		
Set squares	1	No.		
Contingencies	..	..	..	..
Total	..	..	..	1,971 7 0
(d) Tools.				
Mamoties	12	No.		
Picks	6	"		
Shovels	3	"		
Axes	12	"		
Crowbars	3	"		
Hammers, of sizes	3	"		
Brands	1	"		
Contingencies, 5 per cent.	..	..	..	..
Total	..	..	..	85 0 0

III.—Establishment.

Description of Work.	Period.	Rate.	Per.	Amount.
RS. A. P.				
1 Assistant Engineer, 400 + 150	4 months.	550 0 0	Each.	2,200 0 0
1 " " 200 + 40	4 "	240 0 0	"	960 0 0
1 Surveyor " 175 + 60	4 "	285 0 0	"	940 0 0
1 " " 125 + 30	4 "	155 0 0	"	620 0 0
2 Clerks (Rs. 100 and under)	4 "	100 0 0	"	400 0 0
2 Draftsmen (Rs. 100 and under)	4 "	100 0 0	"	400 0 0
4 Peons	4 "	32 0 0	"	128 0 0
30 Lascars	4 "	270 0 0	"	1,080 0 0
Contingencies, 5 per cent.	..	..	..	336 0 0
Total	..	..	..	7,064 0 0

From—The Joint Secretary to the Government of Madras, P.W. Dept., Ry. Branch.
To—The Secretary to the Government of India, Public Works Department.
Dated—Madras, 11th March 1899, No. 285 Ry.

In this Government's Revenue Department's letter to the Government of India's Revenue and Agricultural Department, No. 169, dated the 22nd March 1898, of which a copy is enclosed for ready reference, the Government of India were furnished with a list of six light Famine railways, aggregating 186 miles in length, which as the result of very careful consideration were selected by this Government as those which it would be wise to put forward in reply to the request contained in Government of India, Revenue and Agricultural Department, circular letter No. 18-31-1, dated 18th September 1895. It was recommended that as funds from the famine insurance grant became from time available for expenditure on railways within the limits of this Presidency, they should be spent on the construction, at the average rate of perhaps 10 lakhs annually, of the six railway projects on the 2-feet gauge therein put forward.

2. One of the six projects, viz., that from Tiruppattur to Krishnagiri, 25 miles in length, has for some time been attracting the attention of the Madras Railway Company, whose Agent has now submitted an estimate for its survey, amounting, after credits, to Rs. 11,362, which for 25 miles of railway amounts to Rs. 454 per mile, but covers the cost of the preparation of an alternative project also. The mileage estimate is high, but that it should be so is perhaps inevitable for so short a piece of line.

3. I am directed to recommend that sanction be accorded to the survey being made and to the estimate of which a copy is herewith submitted. Funds can be found from the capital grant of the Madras Railway for 1899-1900, and should the line ever be made, the expenditure can be transferred to the capital account of the branch.

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, 13th April 1899, No. 630 R.C.

I am directed to acknowledge the receipt of your letter, No. 285 Ry., dated the 11th March 1899, and in reply to communicate the sanction of the Government of India to the estimate therewith forwarded, amounting to Rs. 11,362, of the cost of the survey for a 2-feet gauge line from Tiruppattur to Krishnagiri, a distance of 25 miles.

2. It is noted that this estimate includes the cost of an alternative line to Patchur.

3. With reference to paragraph 3 of your letter under acknowledgment I am to say that the proposal to charge the cost of the survey to the capital account of the Madras Railway is not approved. The expenditure should be charged to the head "41. Miscellaneous Railway Expenditure", under which head a sum of Rs. 5,000 (which can be supplemented if necessary) has already been provided for outlay on the survey during 1899-1900, and an allotment up to this extent will be made in a separate communication.

4. The sanction herein accorded has been registered as No. 1 Railway Surveys of 1899-1900.

ORDER—No. 469 Ry., dated 25th April 1899.

Communicated to the Agent and Manager, Madras Railway, with reference to his letter No. 11466/198, dated 21st February 1899.

(True Extract.)

FRANCIS J. E. SPRING,
Joint Secretary.

To the Agent and Manager, Madras Railway.

" Consulting Engineer for Railways.

" Examiner, Guaranteed Railway Accounts.

1

Timpattur - Krishnagurry } survey 2 Br
 Patchur - Krishnagurry }
General Abstract Estimate

No.	Main and Sub Heads	Abstract	
		Sub Head	Main Head
I	Survey Expenses		2,795
(a)	Field Expenses	1,884	
(b)	Office Expenses	911	
II	Plant		3,503
(a)	Tents	1,232	
(b)	Furniture	214	
(c)	Instruments	1,972	
(d)	Tools	85	
III	Establishment	7,064	7,064
	Total		13,362
	Ordnance anticipated credits value of Plant less freight charges		2,000
	Net Estimated Cost of the Survey, 38 miles at Rs 299/- per mile		11,362

(Sd) E. W. Stoney
 Chief Engineer
 18.2.99

Survey Expenses (a) Field Expenses
(b) office Expenses 3 Br

No	Description of work	Quantity	Rate	Per	Amount
Field Expenses	Lock spitting	38 miles	10	1/4 mile	380
	Pegs large	500	1/2	8	400
	" Small	5000	"	4	200
	Mallets	10	"	1 each	10
	Compensation for crops				500
	Cart hire for 2 months	5	carts	1	300
	Leaving jungle cutting	30	days	10	300
	Rope String &c				20
	Clath for 4 days				15
	Paint				15
	Nails, screws				15
	Contingencies 5%				89
Total Field Expenses					1884
Office Expenses	Stationery ordinary	4	months	56	225
	Form Books &c	4	"	37	150
	Paper double Elephant	4	Reams	17	68
	" mounted	4	rolls	40	160
	Tracing cloth	9	"	15	135
	Section paper	4	Reams	20	80
	Drawing pins, colors, compass, pencil, rubber &c				50
	Contingencies 5%				43
Total office Expenses					911

II Plant (a) Camp Equipage (b) Furniture

4 Bm

No.	Description of work	Quantity	Rate	Per	Amount
Camp Equipage	Tents Hill	2	187	Each	374
	" Swiss	1	197	"	197
	" Shooting Pals	2	100	"	200
	" Rowlock	1	160	"	160
	" Servant Pail	1	20	"	20
	" Necessary	1	22	"	22
	Bath room	1	20	"	20
	General Service	3	60	"	180
Contingencies				59	
Total (a) Camp Equipage					1232
Furniture	Table drawing	1	25	Each	25
	" office	1	30	"	30
	" "	1	4 10	"	4 10
	Chairs	5	3 at 11 2 at 8	"	12 1
	Stools	2	3	"	6
	Stationery Chests	1	20	"	20
	Cash Safe	1	20	"	20
	Camp boxes	3	6	"	18
	Despatch boxes	1	20	"	20
	Medicine Chests full	1	20	"	20
	Lanterns	3	6	"	18
	Padlocks	6	1 at 9 5 at 2	"	10 9
	Contingencies 5%				10 3
	Total (b) Furniture				

II Plant (c) Instruments

5B

No.	Description of Work	Quantity	Rate	Per	Amount
Instruments	Theodolite	1	360	"	360 "
	Levels	4	300	"	1200 "
	Levelling staves	4	25	5	101 41
	Compasses Prismatic	1	60	"	60 "
	Ranging Rods	15	"	5	4 11
	Umbrellas	4	7	"	28 "
	Drawing Boards	2	12	"	24 "
	Instrument Boxes 2 nd class	2	23	5	46 10
	Stencils plates	1 set	25	"	25 "
	Parallel rulers of size	2	3	"	6 "
	Tape 100 ft metallic	4	8	10	34 8
	100 ft Chains with arrows	4	9	5	37 4
	Compasses	1 set	4	"	4 "
	Set squares		1	8	1 8
	Contingencies				38 10
		Total			1971 7

II Plant (d) Tools

6/12

No.	Description of Work	Quantity	Rate	Per	Amount
Tools	Mammoties	12	1	"	12 "
	Picks	6	1	"	6 "
	Shovels	3	2	"	6 "
	Axes	12	3	"	36 "
	Scrow bars	3	3	"	9 "
	Hammers of sizes	3	3	"	9 "
	Brands	1	3	"	3 "
	Contingencees 5%				4 "
		Total			85 "

III Establishment

7 Bm

No.	Description of work	Quantity	Rate	Per	Amount
1	Asst. Engineer 400+150	4 months	550	Cash	2,200
1	do 200+40	4	240	"	960
1	Surveyor 175+60	4	235	"	940
1	do 125+30	4	155	"	620
2	Clerks (100 Rs & under)	4	100	"	400
2	Draftsmen (100 Rs & under)	4	100	"	400
4	Peons	4	32	"	128
30	Lascars	4	270	"	1080
	Contingencies 5%				336
	Total				7,064

(A. & M. I.)

No. 11466
198

MADRAS RAILWAY.

AGENT AND MANAGER'S OFFICE,

Madras, 21st February 1899

From

992
22-2-99

The Agent and Manager.

No. R. C.

To

The Consulting Engineer for Railways.

SIR,

Madras.

I have the honour to forward
herewith for the sanction of Government a detailed
estimate amounting to Rs. 11362/- or Rs. 299/- per
mile for a complete survey of a line from
Tirupattur to Krishnagherry and Patehwar to
Krishnagherry.

136 $\frac{1}{2}$ miles
802.25 Rs.

Although I think myself a light
2'-0" Railway should be laid between Tirupattur
and Krishnagherry, it would be well to have a
Survey made also from Patehwar to Krishnagherry
that we may know what the difference in the
cost of the two lines would be.

I have the honour to be,

Sir,

Your most obedient Servant.

Wm. S. M. V. S.

Agent and Manager.

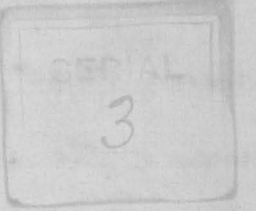
Enclosed.

OFFICE OF THE CONSULTING ENGINEER FOR RAILWAYS,

Madras, 13th February 1899.



No. 638



OFFICE NOTE.

Letter from the Agent, *Madras Railway*, No. $\frac{11466}{198}$, dated 21st February 1899, forwarded to the Examiner of Railway Accounts for remarks.

a/B

for E. R.

EXAMINER'S REPLY.

The estimate may, if approved, be forwarded to the Government of India for sanction.

Answer

C. R.

24.2.99

C.R. Is it proposed to debit cost of many of fallen hands? Can money for the Krishnagani hand be provided out of the Capital grant for next year?

FM

8/3/99

To E. R.
Serial 47 is the G.D. giving correspondence concerning light feeder lines. Timpatan to Krishnagani was one of those selected as necessary.
28/2/99

E. R.

The Government of India have directed that the expenditure on the Survey of the Salem branch be temporarily debited to the Revenue account of the Madras Railway. It is charged to Abstract C. Funds are available from the Madras Railway Capital grant for 1899-1900 to meet the estimated outlay on the Krishnagerry Survey, but the Govt. of India will probably require the expenditure to be charged to Revenue for the time being, as in the case of the Salem branch, and other surveys on the S. I. Ry, and the suggestion that Revenue be debited in this case might be made by the Local Government instead of the proposal that Capital should bear the charge.

1978 $\frac{3}{99}$

C. R.

8.3-99

Prus

No

Government of Madras.

PUBLIC WORKS DEPARTMENT,
RAILWAY BRANCH.

Tc

THE SECY. TO THE GOVT. OF INDIA,

P. W. DEPARTMENT

SIR,

In this Government. Res. Dypt. letter to the
Govt. of India Res. & Dypt. Dypt. No. 169, dated the 22nd.
March 1898, of which a copy is enclosed for ready reference,
the Govt. of India were furnished with a list of ^{light} 6 ^{Famine}
light railways, aggregating 186 miles in length, which as the
result of very careful consideration were selected by the Govt.
as those which it would be wise to put forward in reply to
the request contained in Govt. of India Res. ^{Dypt.} ⁱⁿ letter No. 18-31-1
dated 18th Sept. 95. It was recommended that as funds from the
famine insurance grant became from time available for expenditure
on railways within the limits of this Presidency, they should be
applied to the construction, at the ^{average} rate of Rs. 10 lakhs
annually, of the San railway project on the 2 ft. gauge then
put forward.

2. One of the iron jugs, is the from Thiripattur to
Kishanganji, ^{25 miles in length} has for some time been attracting the attention
of the Madras R. G. whose Agent has now submitted
an estimate for its survey; amounting, ~~at~~ after credit, to Rs. 1136.

which for 25 miles of railway amounts to the 45 or 50 mile, but covers the cost of the preparation of the alternative project also. The railway estimate is high, but that it should be so is perhaps inevitable for so short a piece of line.

3. I am directed to recommend that sanction be accorded to the survey being made as to the extent of which a copy is herewith submitted. Funds can be found from the capital grant of the Hudson R. for 1894-1900, and should the line can be made the appropriation can be transferred to the capital account of the branch, if solution

I have 4

745

8/3/99

Documents accompanying
Copy of -

Copy of -

Copy of -
1) Recd Dept letter to India Ho. by dt 24/3/98

(2) Copy of Est of the Reg. Survey

Light Railway
from Tirupatur
or Patchur to
Krishnagiri.

17. With reference to the papers on light railways forwarded to you with my letter No. 2341, para. 7, and of the Board's remarks thereon in para. 11 of letter No. 968, a line to Krishnagiri, taking off from Tirupatur or Patchur, was one of those advocated by the Traffic Manager, and I sent you on the 23rd ultimo copy of a petition received from some of the inhabitants of Krishnagiri and its neighbourhood in favour of a line of railway. I have obtained from the Chief Engineer an estimate of the cost of making a survey for the line, amounting to Rs. 11,362, and shall be glad if the Board will accord their approval to this outlay, the amount being debited for the present to Revenue. I also forwarded copies of letters received from the Traffic Manager and the Chief Engineer with regard to the gauge of the line, and I now request that the Board will favour me with instructions on this question. The gauge for light lines of railway recommended by the Government in their Proceedings No. 169 of the 22nd March 1896 is 2 feet, and this is the gauge which is proposed for the line from Salem to the foot of the hills.

10/3/99

S. No. 6

Public Works (1899) Department.

Railway
CURRENT No. 553

PP006
with Conference

To Ooty
for E. R. personal
to send communication to
A.M. will receive reference.
Jd
21/4/99

Order

From The Govt of India

No. 630 RC

Dated 13th April 1899

Received } 20.4.99
Registered }

Enclosures

Spare copies

SUBJECT.

Survey for a 2 feet gauge
line from Tirupattur to
Krishnagiri

Sanctioning with
remarks the estimate
amounting to Rs. 11,362 of the
cost of the — a distance
of 25 miles

DR
Please say if this
may be 5-11-99.

21/4-99

BACK PAPERS.

FURTHER PAPERS.

*All communications
should be addressed
to the Secretary.*

No. 630 R.C.

GOVERNMENT OF INDIA.
PUBLIC WORKS DEPARTMENT.
RAILWAY CONSTRUCTION.

To

Simla, the 13th April 1899.

Sir,

No. 1 Railway surveys of 1899/1900.

I have the honour to be,

Sir,

Your most obedient servant.

C. J. Cole

Offg. Under Secy. to the Govt. of India.

Documents accompanying:- *MRCT*

Nil.

Form No. 1

PUBLIC WORKS DEPARTMENT,
RAILWAY BRANCH.

Papers to be read in Proceedings:-

Again G.O., dated

189 , No.

Again G.O., dated

189 , No.

Current No. 992

of 1899, dated 12th Feb, from the Agent-Madras Ry.

" 189 , "

" 189 , "

" Letter to the Secy. 1st from

" 189 , " Index no 285 R d 11.3.88
" 189 , " 630 R d 13.4.88.

ORDER No. 469 Ry. d/25/4/99

Communicated

to the Agent & Manager
Madras Railway with
reference to his letter no
11466 dated 21st Feb 1888.

198
The Agent & Manager

7/11

R

29/2/11

To the Agent & Manager, Madras Ry.
in Encl. Page for Railway
to exam quarterly Accts.

Despatched on 12/4/99

Despatched on 19/5/98