

(1) Number of pages _____

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 3482	Press
414-415	~~Mis~~
Dated 18 - 11 -	18 65.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
18th November 1865.*

No. 414. Read the following letter from the Superintending Engineer, 5th Division, to the Secretary to Government, Department Public Works, dated Salem, 4th November 1865, No. 16:—

- 3 Estimates.
- 2 Specification Reports.
- 3 Traffic Returns.

1. I have the honor to forward the estimates and traffic returns called for in the Order of Government of the 25th September, No. 2,828, in support of my application for increased maintenance allowances for the roads from Oolunderpett to the Salem frontier, and from Merkanum to Tindivanam in the South Arcot District.

2. The estimates show the work proposed to be done during next year, and as stated in my letter of the 11th October 1865, No. 1, they may have to be modified during the year, and fresh estimates will be required for the following year.

3. The experience of several years has shown that the road from Oolunderpett to the Salem frontier cannot be kept in good order on an allowance of 100 Rupees, and if the additional 50 Rupees a mile is now granted, the allowance will be the same as for the continuation of the same road in the Salem District. There is a very large revenue derived from the Salt pans at Merkanum. The road leading to them has been bridged throughout, and if the surface is kept in good order the Salt pans will be accessible all the year.

No. 415. ORDER THEREON, 18th November 1865, No. 3,482.

CIVIL WORKS, No. 60.

1. The Governor in Council sanctions, for entry in the Budget of 1866-67, the estimates submitted with the foregoing letter for increased maintenance grants to the undermentioned roads in the South Arcot District:—

No. of Range.	Road.	Length in miles.	PRESENT ALLOWANCE.		PROPOSED ALLOWANCE NOW SANCTIONED.	
			Rate per mile.	Amount.	Rate per mile.	Amount.
II.	Merkanum to Tindivanum ...	20	RS. 100	RS. 2,000	RS. 150	RS. 3,000
	Oolunderpett to Kallacoorchy ...	23	100	2,300	150	3,450
III.	Kallacoorchy to the Salem frontier ...	14	100	1,400	150	2,100
				5,700		8,550
				Net increase...		2,850

2. The Superintending Engineer of the 5th Division has omitted to submit the required Estimate and Traffic Return for the road from Chingamah to the Salem frontier, adverted to in his letter No. 1,558, dated 14th September 1865. This omission he will now be requested to supply.

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R. E.,

Secretary to Government.

To the Superintending Engineer, 5th Division.
" Controller of Public Works Accounts,
" Accountant General.

Exd. S. T. Augustin.

53

South Creek District No 2 Range

Detailed estimate to:

of the road from Merkaunum to Tindivanam for the year 1866/67

Cost of metal Cost of metal Machinery repairs
to road & tunnels

5th Division South Creek District No 2 Range

Return of Traffic on the road from Merkaunum
to Tindivanam for the month of September 1865

Date	No of Carts	Date	No of Carts
1 st	310	16 th	319
2 nd	297	17 th	275
3 rd	352	18 th	214
4 th	219	19 th	321
5 th	278	20 th	293
6 th	245	21 st	318
7 th	317	22 nd	326
8 th	330	23 rd	348
9 th	322	24 th	335
10 th	284	25 th	295
11 th	211	26 th	278
12 th	238	27 th	329
13 th	340	28 th	344
14 th	215	29 th	266
15 th	352	30 th	312

No 2 Range Office } Total 8894
Tindivanam } Daily Average — 295
20th October 1865

Signed J. F. Graham
Sub. Engineer
No 2 Range South Creek Dist.
Sd/- Lt Col R. C. B. Sd/-
Sd/- Lt Col R. C. B. Sd/-
Sd/- Lt Col R. C. B. Sd/-

3	@ 5	— per 12 months	150
15	@ 1-12	— do	675
15	@ 2-5-1	— do	421 1/4
			<u>30 5</u>

Total Refus. 3000

Signed J. F. Graham
Sub. Engineer
No 2 Range South Creek Dist.
Sd/- Lt Col R. C. B. Sd/-
Sd/- Lt Col R. C. B. Sd/-
Sd/- Lt Col R. C. B. Sd/-

No. 4362/65

5th Division

Southern District

No 2 Range

Detailed Estimate to:

Work - Maintenance of the road from Mankamun to Tindivanam for the year 1865

Collection of metal Cartage of metal Material for repair of road tunnels

Miles	Cubic yards.	Rate	Amount	C. yards	Rate	Amount	No	Amount
1st	100	1 6 9 6	100	39	54 11	1		
22	100	1 6 9 6	100	63	39 1	1		
32	100	1 6 9 6	100	39	23 7			
4	140	1 6 13 2	140	20	17 2			
5	120	1 3 9 6	120	20	45 2	2	3	8
6	100	1 3 7 13	100	26	45 11	4	5	
7	100	1 3 7 13	100	26	45 11	4	3	5
8	100	1 3 7 13	100	26	15 10	3	3	
9	300	1 3 23 7	300	5	93 12	6	3	5
10	400	1 3 31 4	400	76	137 8	6	15	
do.	200	1 12 8 5	200	26	31 4			
11	440	1 27 8	440	26	163 12	2		
12	340	1 21 4 5	340	26	53 2	2		
13	350	1 21 14	350	26	54 11	1		
14	350	1 21 14	350	26	54 11	2		
15	250	1 15 11	250	39	53 9 6	1		
16	440	1 27 8	440	39	103 2	3		
17	350	1 21 14	350	5	109 6	1		
18	250	1 15 11	250	5	78 2	3	30	
19	250	1 15 11	250	39	53 9 6	3	5	
20	250	1 15 11	250	26	39 1	5	3	5
	5030		345 11	5030		1187 3	48	72

Abstract

Collection of metal	440 b. yards	@ 1 6 per bushel yard	441 4
do	1120	do @ 1 3	87 8
do	3470	do @ 1 3	266 14
Cartage of metal	160	do @ 3 9	54 11
do	400	do @ 7 6	187 8
do	100	do @ 6 3	39 1
do	900	do @ 5 8	281 4
do	1040	do @ 3 9	243 12
do	2230	do @ 2 6	348 7
do	260	do @ 2	32 8
Repairs to 35 Tunnels			72
do to Lattice Bridge and approaches			33
Head coolies	3	@ 5 per 12 months	180
Men coolies	15	@ 3 12	675
Women coolies	15	@ 2 5 6	421 14
Incidentals			30 5
Total Paper			3000

No. 2. Range official (True Copy)

Tindivanam

20th October 1865

Ed. Paul
Sub Engineer

Signed J. Graham
Sub Engineer
No 2 Range Southern District

Communications
 Detailed estimate of 1866/67
 No. III Range South Creek District

Work Maintained Allowed of the Road from Chum
 door to Kullacorchy

Maintained Allowed Rupees 4500

Point from where the measurement commenced	Measurement contents							Particulars of Work
Miles	Furlongs	Yards	Length	Breadth	Height	Depth	earth work	metal laying
121	7		220	4	$\frac{1}{10}$		35	metalling
122			440	4	$\frac{1}{10}$		110	Do
"	2		880	4	$\frac{1}{10}$		220	Do
"			880	2	$\frac{1}{4}$		440	cutting out side channel
"	6		440	4	$\frac{1}{10}$		110	metalling
"			440	2	$\frac{1}{4}$		220	cutting out side channel
123			1760	4	$\frac{1}{10}$		440	metalling
124			1760	4	$\frac{1}{10}$		440	Do
125			1260	2	$\frac{1}{2}$		1260	cutting out side channel
"			1760	4	$\frac{1}{10}$		440	metalling
126			1760	4	$\frac{1}{10}$		440	Do
127			1760	2	$\frac{1}{4}$		880	cutting out side channel
128			880	2	$\frac{1}{4}$		440	Do
128 1/2			880	4	$\frac{1}{10}$		220	metalling
129			1100	4	$\frac{1}{10}$		275	Do

Grand Total 3240 2750

Approved by the
 District Officer
 the year 1866-67

Rs 4562/65

129	5	660	2	$\frac{1}{2}$	3240	2750	Brought forward.
130		660	2	$\frac{1}{2}$	660		cutting outside channel
	3	500	4	$\frac{1}{10}$	660		do do
	5	600	4	$\frac{1}{10}$	125		metalling
		600	2	$\frac{1}{2}$	150		do
131		1760			600		cutting outside channel
132		1760	2	$\frac{1}{4}$	880		cutting outside channel
133		1760	2	$\frac{1}{2}$	1760		do do
134		730	2	$\frac{1}{2}$	730		do do
		1760	4	$\frac{1}{10}$			metalling
135		1760			440		metalling
136		1760	4	$\frac{1}{10}$	440		metalling
137		1320	4	$\frac{1}{10}$	330		do
	6	440	1	1	440		earthwork to embankment and slopes.
		440	4	$\frac{1}{10}$	110		metalling
138		880	4	$\frac{1}{10}$	220		do
139		1760	4	$\frac{1}{10}$	440		do
140		610	2	$\frac{1}{2}$	610		cutting outside channel
	2	170	1150				
141		1760	4	$\frac{1}{10}$	440		metalling
142		1760	4	$\frac{1}{10}$	440		do
143		1760	4	$\frac{1}{10}$	440		do
Total							9580 6325

Abstract Estimate

Quantity	Description of work	Per	Rate	Amount Total
9140	Cubic yards of earthwork	per yd	10	476 8

Brought over 476 8

Brought over	476	8	75
1440 Cubic yards of earthwork - per yd	13	34	6
Total earthwork	510	6	8
<u>metalling</u>			
220 Cubic yards of metalling - per yd	53	72	3
220 — do — of do —————	5	63	12
1,675 — do — of do —————	4	1163	12
550 — do — of do —————	39	128	14 6
660 — do — of do —————	23	92	13
Total metalling	1531	6	6
12 mile boilies for 12 months each	3	12	540
22 — do — for 12 do ————— per	2	6	627
14 Head boilies for 12 do —————	6		240
Total labor	1407		
Sundries			1 2 10
Total estimate proper	3451		

Signed W. C. Stoddard
 Supervisor of the Range
 South West

(True Copy)
 E. A. And Lt. Col. R. C.
 Supy Engineer S. D.

communications Repairs
Detailed estimates to of 1866/67.

2. Maintained Allowances of the Road from
Naacochy to the Salem Frontier
Maintained Allowance Rs 2100-0-0

Return of Traffic on the undermentioned Road
in the 3^d Range of South West District in the month of
October 1865.

[illegible]

Road from Blunderpet } 202 10 Average taken between the
to Kullacoorchy— } 12th and 17th October at Blunder
pet, Channarayana and
Teagan

(True Copy)

Ell Ford Chas. R. C.
Subs Engineers 5th Regt

Signed / W.B. Stoddard
 Supervisor to the Range
 San Antonio

120 220 4 $\frac{1}{10}$ 55 Metalling

120 220 2 18
15 15 10 2 $\frac{1}{4}$ 270 ... bearing white channel

" 740 2 $\frac{1}{4}$ 370 . Do Do

Carried over 2380 1160

Communication
Detailed Estimate of 1866/67
to the Bangalore District
Work Maintained Allowance of the Road from
Hullacorchy to the Salem Frontier
Maintained Allowance Rs 2100-0-0

Particulars of work

Miles	Width	Depth	Length	Particulars	Particulars of work
144			176		In good order
145			176		Do
146			940	4 1/10	235 Metalling
	2		500	2 1/4	250 Clearing out side channel
	4	60	320		In good order
147			500	1/10	125 Metalling
	2	60	1260		In good order
148			176	4 1/10	440 Metalling
			176	2 1/4	330 Clearing out side channel
149			900	4 1/10	225 Metalling
			900	2 1/4	450 Clearing out side channel
	4	20	320	4 1/10	80 Metalling
			320	2 1/4	160 Clearing out side channel
	5	120	220	4 1/10	55 Metalling
			150	2 1/4	270 Clearing out side channel
150			740	2 1/4	370 Do

Carried over 2380 11 60

No 4362/65

Alum of traffic on the
Road from Hullacorchy
to the Salem Frontier

Brought forward 2380 116

150	740	4	$\frac{1}{10}$	185	metalling	
3	80	360	4	$\frac{1}{10}$	90	do
	360	2	$\frac{1}{4}$	180	blearing outside channel	
5	660	4	$\frac{1}{10}$	265	metalling	
	660	2	$\frac{1}{4}$	330	blearing outside channel	
151	440	4	$\frac{1}{10}$	110	metalling	
	440	2	$\frac{1}{4}$	220	blearing outside channel	
2	700				in good order	
5	620	2	$\frac{1}{4}$	310	blearing outside channel	
152	200				in good order	
	1560	4	$\frac{1}{10}$	1390	metalling	
153	1760				in good order	
154	1760	4	$\frac{1}{10}$	440	metalling	
155	1760	4	$\frac{1}{10}$	440	do	
156	1760	4	$\frac{1}{10}$	440	do	
3	1100	2	$\frac{1}{4}$	550	blearing outside channel	
157	1760	4	$\frac{1}{10}$	440	metalling	
	300	2	$\frac{1}{4}$	150	blearing outside channel	
158	660	4	$\frac{1}{10}$	160	metalling	

Total 4120 4025

Abstract estimate

Quantity	Description of Work	Per	Rate	Amount	Total
4120	yards of metalling	per sq ft	10	214 9 4	214 9 4

2470 cubic yards of metalling per sq ft 23 347 56

Carried over 347 56 214 9 4

Brought forward 347 56 214 9 4

1555	6 yards of metalling	per sq ft	4	388 12
Total metalling 736 16				
14	hills boilies for 12 months each	3	12	630
14	do for 12 do	per 2	6	399
2	Head boilies for 12 do	months 5		120
Total labor 1149				
Sundries 52				

Total estimate per feet 2100

Signed J. W. C. Stoddard
Superintendent of the Pacific R.R. Co.

(True Copy)

Edmond L. L. R. Co.
Super Engineer 5th Div

No 16

Superintg Engrs Office 5th Div

Salem 4th November 1865

From,

Lieut Col C. A. Ford R.E.

Superintending Engineer

5th Division

To

Lieut Col C. A. Ford R.E.

Superintendent

Return of Traffic on the undermentioned Road in
the 5th Range of South Coast District in the last year.

Name of Road

No of

Wheeled
Carriages

Remarks

Road from Bullasomdy 151 6
and Salem frontiers

Average taken between the
12th and 14th October 1865 at
Bullasomdy Chinnasalem

(True Copy) Signed J. B. Stoddard
Superintendent Range
South Coast.

Edmd. Stoddard R.E.

Suprs Engineer
proposed to be done during next year
and as stated in my letter of the
11th October/65 No 1 they may have to be
modified during the year, and fresh
estimates will be required for the
following year.

3 The experience of several years
has

880.4362/105

Work. Maintained

Maintenance of the Road

from Bullasomdy

to the Salem frontiers

Salem to Bullasomdy 2101-0-0

No. 16

Superintg. Engrs. Office 5th Div.

Salem 4th November 1865

From,

Lieut. Col. C. A. Ford R.E.

Superintending Engineer

5th Division

To,

Colonel C. A. Orr R.E.

Secretary to Government

D. P. W.

Sir,

Enclosures 8

3 Estimates.

2 Specifications & plans.

3 Traffic returns.

I have the honor to forward the estimates and traffic returns, Called for in the order of Government of the 25th September N^o. 2828, in support of my Application for increased Maintenance Allowances for the roads from Oolundoorpet to the Salem Frontier and from Merthannur to Tindivanam in the South Arcot District.

2 The estimates show the work proposed to be done during next year and as stated in my letter of the 11th October/65 N^o. 1 they may have to be modified during the year, and fresh estimates will be required for the following year.

3 The experience of several years has

Value of traffic on the Road from Kullernoor to Salem Junction

No 4362/65

has shown that the road from
Dolundootpelt to the Salem Frontier
cannot be kept in good order
on an allowance of 100 rupees,
and if the additional 50 rupees
a mile is now granted, the allowance
will be the same as for the con-
tinuation of the same road in the
Salem District. There is a very
large revenue derived from the
Salt pans at Merkanum. The
road leading to them has been
bridged throughout and if the
surface is kept in good order
the Salt pans will be accessible
all the year.

I have the honor to be

Sir

Your most Obedient Servant

Edmond Leitch Esq. R.E.

Superintending Engineer

Public Works Department
No. 3482

Proceedings of the Madras Government
Under date the 18th November 1865
Read the following

From the Sup^r Engineer
of the 5th Division

Forwarding Estimates
and Traffic Returns in support of the application
for increased maintenance
grants to certain roads in
South Arcot.

The Governor in Council sanctions
for entry in the Budget of 1866
the estimates submitted with the
foregoing letter for increased main-
tenance grants to the undermentioned
roads in the South Arcot District

No to Range	Road —	Length in Miles	Present Allowance		Proposed Allowance now sanctioned	
			Rate per mile	Amount	Rate per mile	Amount
II	Merkanum to Tindivanam — — — —	20	100	2000	150	3000
	Chunderpett to Kallacorey — — — —	23	100	2300	150	3450
III	Kallacorey to the Palem frontier — — — —	14	100	1400	150	2100
				5700		8550
				Net increase		2850

The Superintending Engineer
of the 5th Division has omitted
to submit the required
estimate and traffic return

25th September 1865 No. 2828

1865
No. 1 for the
4062

Chand.

The Deputy Engineer
5th Division

The Secretary to
Government

Dated 14th November 1865
Received

No. 16 with
8 Enclosures.

Forwarding Estimates
and Traffic Returns in
support of the application
for increased maintenance
grants to certain
roads in South Arcot.

No. 3482 - 18th November 1865

29th November 1865 No. 1577

for the road from Kingamok
to the Salem junction adverted to
in his letter N^o 1538 dated 14
September 1885. This opinion he
will now be requested to
supply

W. H.

By the Surveyor & District Agent
(Controller of Products)
Christiansburg

Dec^r 20th November

23
4

26 28 42

PT 1886 Depta
to no. of Govt for Nov.

No 3482
to no. of the Govt
D 18 Nov 86

Increased maintenance al-
lowance for the roads from Dolunder-
pett to the Salem frontier & from Ner-
kanum to Sindivanam in the South
Arcot District sanctioned for entry
in the Budget of 1886-87 & the Dist. Engr.
requested to submit the required
estimate & traffic return for the road
from Chengama to the Salem fron-
tier.

N. 414. 415