M.R.O. 1—77,006—8-6-37.

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(3) Initials of the Referencer

MADRAS RECORD OFFICE.

Government of Madras.

Public works DEPARTMENT.

G.O. No. 3892 Press ~~Mis.~~

144-145

Dated 10 — 12 — 1866.

Not to be folded or roughly handled

1

Proceedings of the Madras Government, Public Works Department,
10*th December* 1866.

No. 144. Read the following Proceedings of the Madras Government in the Revenue Department:—

Referring Proceedings of the Board of Revenue on letter from the Superintending Engineer of the 5th Division, submitting estimates for completing and maintaining the Salt roads in the South Arcot District.	(Here enter 27th November 1866, No. 3,245.)

No. 145 ORDER THEREON, 10th December 1866, No. 3,892.

CIVIL WORKS, No. 27.

The Budget of the ensuing official year having been closed, the Government are unable to provide therein either for the completion or for the maintenance of the Salt roads referred to; but they will be prepared to consider whether funds to some extent for the former purpose from the Reserve may not be allotted on the necessary application being made after the 1st April next. As regards the maintenance grant, the Superintending Engineer will doubtless be in a position in the course of the year 1867-68 to provide the funds from his general allotment under Repairs.

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

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

Exd. S. T. Augustin.

6 1866

le Beale
Collector of South Arcot

Elliot Lt Col R.E.
Superdg: Engineer

Harrington
Executive Engineer
No 1 Range S. Arcot

Proceedings of the Madras Government, Revenue Department, 27th November 1866.

No. 660. Read the following Proceedings of the Board of Revenue, dated 6th November 1866, No. 8,034.

Read the following letter from the Superintending Engineer, 5th Division, to the Secretary to the Board of Revenue, dated Salem, 20th October 1866, No. 166:—

19 Estimates.
7 Traffic Returns.

I have the honor to forward, for submission to Government, with any remarks the Board may have to offer, the undermentioned estimates for completing and maintaining the salt roads in South Arcot, which, in accordance with the Order of Government of the 4th May 1866, No. 1,439, are to be transferred to the Salt Department:—

For completing	RS.
Road from Koolen's Choultry to the Teagavelly Salt Pans	3,150
Coodicadoo Salt Pan Road...	410
Road to Comblemodoo and Manavary Salt Pans	2,810
Road from Cundadoo bridge to Thembakum...	3,260
Road from Thembakum to Chunambet Pans	3,530
Road from Cundadoo bridge through Merkanam village	2,500
Total...	15,660

For maintaining	
Goondalam Salt Pan Road	75
Koodicadoo, &c....	50
Road from Coollen's Choultry to Teagavally, &c.... ...	500
Road from Chellambaram high road to Teagavally ...	294
Road from Merkanam Platforms	420
Road from Thembakam to Chunambet	170
Road from Cundadoo bridge through Merkanam village	200
Branch road to the Cundadoo Platforms...	50
Chunambet Embankment...	720
Chunambet Carambalum Salt Platforms	145
Killay road...	1,940
Nakravandangoodi road	850
Branch roads to Killay Platforms	85
Total ...	5,499

Enclosures Nos. 1 to 19.—Estimates.

Submitted for the sanction of Government.

No. 661. Order thereon, 27th November 1866, No. 3,245.

Separate Revenue, No. 22.
Salt.

Referred, together with the estimates, &c., to the Public Works Department, with reference to the Order in that Department, 4th May 1866, No. 1,439.

(True Extract.)

Secretary to Government.

To the Public Works Department. with 19 encls
,, the Board of Revenue.

Exd. S. T. Angustig.

Chs. Beale
Collector of South Arcot

Lt Col R.E
Superdg: Engineer

Executive Engineer
No 1 Range S. Arcot

Pro. 4th May 1866 No. 125-126

P.W. 1866 D. 3 pts
Pro: of Govt. for December
No. 4830
Pro: of the Madras Govt.
in the Rev. Dept.

Df 27th } Novr/66
Rec 30th }

Ex: 42 - No. 3245

Referring Pro:
of the 18th of Rev: in
letter from the Supg.
Engr. of the 5th Divn. sub-
-mitting estimates for
completing & maintain-
-ing the Salt roads
in the South Arcot
Dist.

No. 144

5th Decr 1866 R. 7th

No. 3892 - 10th Decr 1866

7

5th Division D.P.W.

Communication

New Works

South Arcot District

No. 1 Range

Cuddalore Taluq

Detailed Estimate No. of 1866/67

Work — Forming the remaining portion of Koodicadoo Salt pan road

Remarks. The following Estimate has been framed in compliance with Government order No. 1439 dated 4th May 1866 and with the Superintending Engineer's Memo No. 18 dated 11th Idem.

Items	Measurement L	B	H	Cubic Content
Raising from East bank of ferry towards North	120	7½	1	900
Do. to East up to Salt platform	130	6¾	½	438¾
Total Cyds of Earthwork				1338¾
Turfing on both sides	120	3	,,	360
Do. Do.	130	2	,,	260
Total Sq. Yds of Turfing				620
Metalling with Laterite	600	5	⅙	500

Abstract

Quantity	Description of Works		Rate			Amount			Total		
1338	Cyds of Earthwork	per Cyd	,,	1	,,	83	10	,,			
620	Sq. yards of Turfing	per Sq yd	,,	,,	6	19	6	,,			
500	Cyds of Laterite Collected	per Cyd	,,	2	,,	62	8	,,			
500	Do. of Do. Carted	,,	,,	5	,,	156	4	,,			
500	Do. of Do. Spread	,,	,,	2	6	78	2	,,	399	14	,,
	Sundries								10	2	,,
	Total Estimate Rupees								410	,,	,,

Range Office No. 1
Cuddalore
9th August 1866

Lt Col RE
Superdg: Engineer

Harrington
Executive Engineer
No. 1 Range S. Arcot

Collector of South Arcot

No 1832/66

10/308/66

5th Division D.P.W.

Communication
South Arcot District — No. 1 Range — Cuddalore Taluq — New Work

Abstract Estimate No. of 1866/67.

Work. – Forming the remaining portion of Koodicados Salt pan Road

Remarks. The following Estimate has been framed in compliance with Government Order No. 1430 dated 16th May 1866 and with the Superintending Engineer's Memo No. 18 dated 11th Idem.

Quantity	Description of Works		Rate			Amount			Total		
1338	Cyds of Earthwork	p. Cyd	,,	1	,,	83	10	,,			
620	Sq. yards of Turfing	p. sq. yd	,,	,,	6	19	6	,,			
500	Cyds of Laterite Collected	p. Cyd	,,	2	,,	62	8	,,			
500	Do of Do Carted		,,	5	,,	156	4	,,			
500	Do of Do Spread		,,	2	6	78	2	,,	399	14	,,
	Sundries								10	2	,,
	Total Estimate Rupees								410	,,	,,

Range Office No. 1
Cuddalore
9th August 1866.

W. Harington.
Executive Engineer
No. 1 Range S. Arcot

Collector of South Arcot.

Lieut Col R.E.
Superintending Engineer

11

Public / Roads /
South Arcot District

Tinderanum Talug

Abstract Estimate No of 1866-67

Work: Completing the road round the Mircanum platforms from the Cundadoo bridge to Thenbaukum.

Quantities	Description of Work	Rate			Amount			Total		
1760	Cyds of Gravel including Collection Cartage & Spreadage @	"	14	"	1540	"	"			
1760	Cyds of — do — do — do @	"	11	6	1265	"	"			
4	Tunnels of 3 ft span @	80	"	"	320	"	"			
2	Bridges repair @	50	"	"	100	"	"			
5	Milestones @	3	8	"	17	8	"			
	Petty Establishment & Tools & Sundries	"	"	"	~~17~~ 117	8	"			
								~~3260~~ 3360	"	"

Estimate Rupees Three thousand ~~three~~ two hundred and sixty only.

No 2 Range Office
Tinderanum
16 July, 1866.

Collector of South Arcot

Sub Engineer No 2 Range South Arcot

Lieut Col R E
Superintending Engineer

12/205/66

5th Division (D. P. W.
South Arcot District
No 1 Range

Estimate for forming the remaining portion of Cudalore Salt Pan roads.

Rev: 4063/68

P W 4830/66

In No 7271 of 1866

Amount of Estimate Rs 410-"

Pro: 10 Decr /66 due by 1867

2/25/66

5th Division No 4

From
The Officer in charge of the
No 2 Range S. Arcot

To
The Superintending Engineer
5th Division

Dated
Recd. 3 July 1866

Rev: 4063/66

In No 7271 of 11/66

P W 4830/66

Completing the road round the Meracanam platforms from the Cundados bridge to Thenbakam.

3260
Rs 3360

10 Decr/66 In No 144

---

c 2/-

Public Roads/
South Arcot District

Tindivanam Taluq

Detailed Estimate No of 1866-67.

Work. Completing the road round the Mercanum platforms from the Cundadoo bridge to Thenbaukum.

	Nature of Soil	No. of Tunnels and Repair of Bridges	Point from which the Measurement Commences		Measurement by yards			Metalling	Particulars of work.
			Miles	Yards	L.	B.	D.		
	"	"	"	"	"	"	"	"	Road good.
From Cundados bridge to Naracoopum	Sand	1 Tunnel of 3ft	"	198	198	2	½	198	Metalling
" Narapaukum.			"	396	198	2	½	198	Metalling
	do	do	"	1084	688	2	½	688	do
	do	do	.	1524	440	2	½	440	do
Velley Mundabum	do	do			236	2	½	236	do
	do	do	1	"				1760	do up to
Backwater	do	"	2	"	"	"	"		Thenbaukum.
							Cubic yards.	3520	

Abstract

1760 Cyds of Gravel including collection cartage and	1540	"	"
Spreadage @ " 14 " per Cyd	1265	"	"
1760 Cyds of do do do @ " 11-6 per Cyd	320	"	.
4 Tunnels of 3 feet span @ 80 each	100	.	"
2 Bridges repair @ 50 do	17	8	"
5 Mile stones @ 3-8 do	~~47~~ 17	8	"
~~Petty Establishment & Tools Sundries~~	3260		
Estimate Rupees.	3360	"	"

Rupees Three thousand and two three hundred Sixty only.

Collector of South Arcot

Sub Engineer

E U Ford Lieut Col RE
Superintending Engineer

No 2 Range South Arcot

5th Division

From
The Officer in charge of the No 2 Range S. Arcot
To
The Superintending Engineer 5th Division

Dated 16/3
Recd 3 July 1866

No 4082/66

Completing the road round the Mussauvam plat forms from the Cumbalodoo lodge to Stenbaskam
32 60
Rs 3360

5th Division D. P. W.

New Work

Communications

South Arcot District No 1 Range Cuddalore Taluq

Detailed Estimate No of 1866.67

Work — Constructing tunnels, forming and metalling the Road from Chellumbrum road from its junction with Kooteni Chuttry road to Coomblimedoo and Manavary platforms.

Remarks — The following estimate has been framed in compliance with Govt order No 1439 d/ 4th May 1866 and with the Superintending Engineer's Memo No 18 d/ 11th Idem.

Description of works	Measurement			Content
	L	B	D	
Raising from Chellumbrum road up to Ferry	20	6½	3/8	48¾
Do from east bank of Ferry up to Poonja lands	210	7½	1	1575
Cutting side channels and levelling road up to Nunjah lands	165	3	½	247½
Raising up to Cutchavaly channel (a Tunnel of 3 ft Span is required here)	133	7½	1	997½
Do up to Eroolanthundy channel (a Tunnel of 3 ft Span is required here)	175	8¼	1½	2165⅝
Do and levelling up to Nunjah lands	196	6¾	½	661½
Do up to the Surplus Channel (a Tunnel of 3 ft Span is required here)	161	7½	1	1207½
Sandy portion. Cutting side channels & levelling road	77	3	½	115½
Removing the sandy heaps	56	7	¾	294
Cutting side channels and levelling road	158	3	½	237
Raising up to Cumblimedoo Salt pans	211	6¾	½	708¾
Total Cyds of Earthwork				8258⅝
Surfing				
Surfing on both sides	20	½	..	30
Do do	210	3½	.	735
Do do	133	3½	.	465½
Do do	175	5	.	875
Do do	196	1½	.	294
				2399½

Turfing on both sides	161	3½	.	23
Do — do	210	2	.	4
Total Sq yards of Turfing				33
Metalling with Laterite	1560	6	1/6	1560
Total Cyds of Laterite				15

Abstract

Quantity	Items	Rate			Per	Amount			Total	
6903	Cyds of Earthwork	.	1	3	Cyds	539	4	9		
1355	do of do	.	.	8	—	56	7	4		
3383	Sq yds of Turfing	.	.	9	Sqy	158	9	3		
3	Tunnels of 3 ft Span	80	.	.	each	240	.	.		
1560	Cyds of Laterite Collected	.	2	.	Cyds	195	.	.		
1560	do of do Carted	.	13	9	—	1340	10	.		
1560	do of do Spread	.	2	6	—	243	12	.	2773	11
	Sundries								36	4

Total Estimate Rupees 28

Range Office No 1
Cuddalore
9th August 1866

W. Harrington
Executive Engineer
No 1 Range S. Arcot

Charles Hende
Collector of South Arcot

E. L. Ford Lieutt Col R.E.
Superintending Engineer

5th Division C. P. W.

Communications — New work

South Arcot District — No 1 Range — Cuddalore Taluq

Abstract Estimate No. of 1866.67

Work — Constructing tunnels, forming and metalling the road from Chellumbrum road from its junction with Koollens Choultry road to Combimedoo and Munnavary pitat forms.

Remarks — The following Estimate has been framed in Compliance with Government order No 1439 dated 4th May 1866 and with the Superintending Engineer's Memo No. 18 dated 11th Idem.

Quantity	Items	Rates			Per	Amount			Total		
6903	Cyds of Earthwork	.	1	3	Cyds	539	4	9			
1355	do of do	.	.	8	—	56	7	4			
3383	Sq yds of Turfing	.	.	9	Sqyds	158	9	3			
3	Tunnels of 3 ft Span	80	.	.	Each	240	.	.			
1560	Cyds of Laterite Collected	.	2	.	Cyds	195	.	.			
1560	do of do Carted	.	13	9	—	1340	10	.			
1560	do of do Spread	.	2	6	—	243	12	.	2773	11	4
	Sundries								36	4	8
	Total Estimate Rupees								2810	.	.

Range Office No 1
Cuddalore
9th August 1866

W. Harrington
Executive Engineer
No 1 Range S. Arcot

Charles Hende
Collector of South Arcot

E. L. Ford Lieutt Col R.E.
Superintending Engineer

31

Public Roads.
South Arcot District

New works
Tindivanum Taluq

Abstract Estimate No. of 1866-67

Work. Making a new road from Thenbaukum to the Chunampett pans.

Quantities	Description of work		Rate			Amount			Total		
23442	✓ C. yds of Earthwork	@	"	1	"	771	8	3	✓		
1760	✓ C. yds of Gravel including Collection Cartage & Spreadage	@	"	9	"	990	"	"	✓		
1760	✓ C. yds of — do — do — do	@	"	6	6	715	"	"	✓		
1900	✓ C. yds of — do — do — do	@	"	4	"	475	"	"	✓		
33760	✓ Square yards of Jungle clearing	@	"	"	1	175	13	4	✓		
1	✓ Tunnel of 6 feet span to be constructed	@	120	"	"	120	"	"	✓		
3	✓ — do — of 3 feet span — do	@	80	"	"	240	"	"	✓		
3	✓ Milestones	@	3	8	"	10	8	"	✓		
	Petty Establishment & Tools					32 132	2 2	5 5			
									3530	"	
	Total Rupees								3630	"	"

No. 2 Range Office
Tindivanum
16 July 1866.

Estimate Rupees Three thousand ~~Six~~ five hundred and thirty only.

Collector of South Arcot

Sub Engineer

Range South Arcot

Superintending Engineer

No. 3

5th Division D. P. W.

South Arcot District

No. 1 Range

Estimate for Constructing tunnels, forming and metalling the road from Chellumbrum road from its junction with Koollen's Choultry road to Coomblimodoo and Mannavary plat forms

Rev: 4063/66

W 4836/66

Amount of Estimate Rs. 2810-a-a

In No. 2710 of 1866

10th Decr. 1866 ... 144

5th D 4/257/66
Division

From
The Officer in charge of the
No 2 Range S. Arct

To
The Superintending Engineer
5th Division.

Dated 16
Recd } July 1866

P W 4830/16

Making a New road from
Thenbakam to the Chunampet
pans

o. Dtd 16th Jy 1866

Public Roads/ No 2 New works
South Arcot District Tindevanum Taluq

23

Detailed Estimate No of 1866.

Work. Making a new road from Thenbankum to the Chunampett pans.

	Nature of Soil	No of Tunnels	Point from whence the Measurement commences		Measurement by yards			Contents			Particulars of work
			Miles	Yards	Length	Broth	Height	Earthwork	Metalling	Clearing Jungle	
Kollathoor	Sandy	"	"	1100	1100	2	½	1100	"	"	Digging channel & Raising
	do	"	"	"	1100	20	"	"	"	22000	Clearing jungle
Mango Tope	do	"	1	"	1760	6	1/6	"	1760	"	Metalling
Palmyra Tope	do	"	"	588	588	2	½	588	"	"	Digging channel and Raising
	do	"	"	"	588	20	"	"	"	11760	Clearing jungle
No 1 Salt flat form	do	"	"	852	264	6¾	½	891	"	"	Raising
No 2 do	do	1 Tunnel of 3 ft	"	1302	450	7½	1	3375	"	"	do
No 3 do	do	do do	"	"	458	6¾	½	1545¾	"	"	do
	do	"	2	"	1760	6	1/6	"	1760	"	Metalling
No 4 do	Clay	"	"	220	220	6¾	½	742	"	"	Raising
	do	"	"	880	660	2	½	660	"	"	Digging channel & Raising
Mathoor Cross road	do	1 Tunnel of 6 ft	"	1540	660	6¾	½	2227½	"	"	Raising
Native Bungalow	do	1 do of 3 ft	"	"	220	6¾	½	742½	"	"	do
	do	"	3	"	1760	6	1/6	"	1760	"	Metalling
No 5 Salt flat form	do	"	"	140	140	6¾	½	472½	"	"	Raising
	do	"	"	"	140	6	1/6	"	140	"	Metalling
							Cyds	12344¼	5420	33760	

Abstract

12344¼ Cyds of Earthwork	@ " 1 " per Cyd	771	8	3
1760 Cyds of Gravel including Collection cartage and spreadage	@ " 9 " per Cyd	990	"	"
1760 Cyds of do do do	@ " 6 6 " do	715	"	"
1900 Cyds of do do do	@ " 4 " " do	475	"	"
33760 Sqre yards of Jungle clearing	@ " " 1 " Sqr yd	175	13	4
1 Tunnel of 6 feet span to be constructed	@ 120 " " each	120	"	"
3 do of 3 feet span do	@ 80 " " do	240	"	"
3 Milestones	@ 3 8 " do	10	8	"
~~Petty Establishment & Tools.~~	Sundries	72 132	2 2	5 5
	Total Rs	3570 3630	"	"

Estimate Rupees Three thousand and ~~Five~~ six hundred and thirty only.

Collector of South Arcot

Lieut Col RE
Superintending Engineer

Sub Engineer
No 2 Range South Arcot

Public (Roads).   New works

South Arcot District   Tinderanum Talug

Detailed Estimate No   of 1866-67.

Work. Completing the road from the Cundadoo bridge through the Mercanum village to join the road near the Pooleyengal platform.

	Nature of Soil	No of Bridges and Tunnels.	Point from whence measurement commence		Measurement			Contents.		Particulars of work.
			Miles	Yards	L.	B.	H.	Earthwork	Metalling	
From Cundadoo Bridge	"	"	1	"	1760	"	"	"	"	Road is in good order
—"— Mercanum	Sand	1 Tunnel of 4½ ft	2	"	1760	2	½	1760	"	Cutting channel & raising
		"	"	"	1760	6	⅙	"	1760	Metalling on sand
Up to road to Salt platforms	do	2 Tunnels of 3 ft	2	600	600	2	½	600	"	Cutting channel and raising
Junction of 2 roads	—	1 do of 12 yds	"	"	600	6	⅙	"	600	
							Cyds	2360	2360	

Abstract

		Rs	A	P
2360 Cyds of Earthwork	@ " " 9 per Cyd.	110	10	"
1760 Cyds of Gravel including Collection, cartage and spreadage	@ " 13 " per do.	1430	"	"
600 Cyds of do do do	@ " 14 " do.	525	"	"
1 Tunnel of 4½ feet span	@ 100 " " each.	100	"	"
2 do of 3 feet span	@ 80 " " do.	160	"	"
1 do of 3 feet of 12 yards.	@ 160 " " do.	160	"	"
~~Tools and~~ Sundries		14 24	6 6	" "
		2500		
Total Rupees.		2510	"	"

Rupees Two thousand five hundred ~~and ten~~ only.

Collector of South Arcot.

Sub Engineer
No 2 Range S. Arcot

Lieutt Col. R.E.
Superintending Engineer

3/27/60 No 5
5th Division
South Arcot District

From
The Officer in charge of the No. 2 Range S.A.

To
The Superintending Engineer
5th Division

Rec: 4063/66
Dated 16th/19th July 1866.
Recd July 1866.

Making a New road from Cundadoo to the Mercanum salt pans.

35-30
Rs 3630

5th Division

From
The Officer in charge of the
No 2 Range S. Arcot

To
The Superintending Engineer
5th Division

Dated 16th
Recd 3 July 1866

Completing the road from Cundadoo bridge through the Mercanum village to join the road near the Poolyengal platform.

Rs 2500
2510

Public / Roads /
South Arcot District

New works
Tindevanum Taluq

Abstract Estimate No of 1866-67

Work. Completing the road from the Cundadoo bridge through the Mercanum village to join the road near the Poolyengal platform -

Quantities	Description of work -	Rate			Amount			Total		
2360	Cyds of Earthwork @	.	.	9	110	10	"			
1760	Cyds of Gravel including collection cartage & spreadage @	"	13	"	1430	.	.			
600	Cyds of do do do @	"	14	.	525	.	"			
1	Tunnel of 4½ feet span @	100	"	"	100	.	.			
2	do of 3 feet span @	80	.	"	160	"	"			
1	do of 3 feet of 12 yards @	160	.	.	160	:	.			
	~~Tools and~~ Sundries	"	.	.	14 24	6 6	" 			
	Total Rupees							2500 2510	"	.

Estimate Rupees Two thousand five hundred and ten only

No 2 Range Office
Tindevanum
16 July 1866

Sub Engineer
No 2 Range South Arcot

Collector of South Arcot

Lt Col RE
Superintending Engineer

5th Division D.P.W.

South Arcot District

Traffic Return of the Cornwallum Salt pan Road from 1st January to 30th June 1866.

	Average No of Bandies per diem		Total	Average No of Cattle per diem		Total
	From east to west	From west to East		From east to west	From west to east	
1866 January	26	43	69	10	12	22
February	42	39	81	12	8	20
March	38	52	90	6	10	16
April	53	74	127	15	17	32
May	36	48	84	12	12	24
June	68	55	123	16	16	32
Total	263	311	574	71	75	146

Range Office No 1
Cuddalore
9th August 1866

W. Harrington
[illegible] Executive Engineer
Superintending Engineer 3rd Range South Arcot

6/257/66 K.6

5th Division

From
The Officer in charge of the
No 2 Range S. Arcot

To
The Superintending Engineer
5th Division

Dated 16 July 1866
Recd

P.W. 4836/66

In No 7271 of 11/66

Rev: 4063/66

Completing the road from Cundados bridge through the Meracanam village to join the road near the Poolyneal plat forms.

25.00

Rs 2510

10th Decr /66 In No 144

13/30th/66

P W 4830/66

10th Decr

31

5th Division D.P.W.

Communications | Repairs

South Arcot District | No. 1 Range | Cuddalore Talug

Abstract Estimate No. of 1866.67

Work — Maintaining the Goondalum Salt Pan Road during each year — Distance 6 Furlongs —

Remarks — The following Estimate has been framed in Compliance with Government order No. 1439 dated 4th May 1866 and with the Superintending Engineer's Memo No. 18 dated 11th Idem.

Quantity	Items	Rate			Per	Amount			Total		
70	Cyds of Laterite Carted distance 3½ Ms.	-	8	9	Cyds	38	4	6			
70	Do of do Spread	-	2	6	Do	10	15	-			
	Ordinary repairs for 12 Months					24	-	-	73	3	6
	Sundries								1	12	6
	Total Estimate Rupees								75	-	-

Range Office No. 1
Cuddalore
9th August 1866

W. Barrington
Executive Engineer
No. 1 Range South Arcot

Charles Hinde
Collector of South Arcot

Lieut Col R.E.
Superintending Engineer

33

5th Division South Arcot District Tindivanum Taluq.

Return of Traffic on the road from the road to Tindivanam to the Cunidados plat forms from the 18th to the 22d June 1866.

Date	Carts	Bullocks
18	275	70
19	185	85
20	215	40
21	278	28
22	310	94
Total	1263	317
Average	252	63.

Sub Engineer
No 2 Range S. Arcot

Lieut Col R.E.
Superintending Engineer

5th Division D.P.W.
South Arcot District
No 1 Range
Estimate for Maintaining the Goondalum Salt pan road

P.W. 4830/66
Rev: 4063/66

Amount of Estimate Rs 75.

In No 7271 of 1866

Decd 166 Lr No 144

16/257/66

P W 4836/66

Communication 5th Division D.P.W 35 Repairs

South Arcot District No: 2 Range Tindivanum Taluq.

Abstract Estimate No: of 1866.67

For maintenance of the Short line from the road to Tindivanum to the Candados Plat forms at Rs: 50 per mile.

Quantities or Number	Description of work	Per	Rates			Amount			Total		
40	Cub: yds: of gravel Collecting and Carting	C.y	"	7	6	18	12	"			
	Repairing Clearing out side channels					30	"	"	48	12	"
	Sundries								1	4	"
	Total Rupees								50	"	"

ector of South Arcot.

Lieut Col R.E.
Superintending Engineer

5th Division D.P.W
South Arcot District

P W 4830/66

Abstract Estimate for the maintenance of the short line from the road to Tindivanam to the Candados Platforms at Rs: 50 per mile.

Amount of Estimate Rs: 50 —

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3)

Public / Roads /
South Arcot District

Repairs
Tindivanam Taluq

Detailed Estimate No of 1866-67.

Estimate for the Maintenance of the short line from the road to Tindivanam to the Candados Platforms @ Rs 50 per mile

No of Miles	Gravel Collecting and Carting			Repairing clearing out side channels	Amount	Total
	Yds	Rate	Amount			
	40	. 7 6	18 12 .	30 . .	48 12 .	48 12 .
Sundries						1 4 .
					Total Rupees	50 . .

Estimate Rupees fifty only

Collector of South Arcot

E Graham Sub Engineer
No 2 Range South Arcot

[illegible] Lieut Col. R.E
Superintending Engineer

15/25/66 8

5th Division

From

The Officer in charge of the
No 2 Range S. Arcot

To

The Superintending Engineer
5th Division

Rev: 1063/66

Dated 16
Recd. 3 July 1866

In No 7291 of 1866

P W 4838/66

Estimate for Maintenance of the short line from the road to Tindwanam to the Cundadoo platforms

Rs 50 ..

10th Decr /66 In No 1444

38

5th Division South Arcot District Tindwanam Taluq

Return of Traffic on the road round the Meracanam platforms from the Cundadoo bridge to the Thenbakum bridge from the 18th to the 22d June 1866

Date	Carts	Bullocks
18	310	75
19	275	80
20	315	100
21	317	40
22	210	50
Total	1427	345
Average	285	69

Collector of South Arcot

Sub Engineer
No 2 Range S. Arcot

Lieut Col R.E
Superintending Engineer

13/257/66

P W 483/66

Communication | 5th Division D.P.W | Repairs

South Arcot District | No. II Range | Tindivanum Taluq.

Abstract Estimate No: of 1866.67

For maintenance of the road round the Meracanum plat forms from the Candados bridge to the Thenbakum bridge — at Rs: 100 per mile.

Quantities or Number	Description of work	Per	Rates			Amount			Total		
50	C: yds: of gravel collecting & carting	C.y.	"	10	-	31	4	"			
50	—do:—do:—do:—	do:	"	12	6	39	1	"			
50	—do:—do:—do—	do	"	15	"	46	14	"			
50	—do—do—do—	do	"	14	"	43	12	"			
50	—do.—do:—do:—	do:	"	11	6	35	15	"			
	Repairing 2 Bridges—	each	22	8	-	45	"	"			
	—do— and Clearing out side channels—					175	"	"	416	14	"
	Sundries—								3	2	"
	Total Rupees—								420	"	"

Collector of South Arcot.

Lieut Col R.E.
Superintending Engineer

5th Division D.P.W.
South Arcot District

No 4835/66

Abstract Estimate for maintenance of the road round the Meracanum platforms from the Cundados bridge to the Thenbakum bridge.

Amount of Estimate Rs: 420

Public / Roads / Repairs

South Arcot District — Tindivanam Talug

Detailed Estimate No of 1866-67

Estimate for the Maintenance of the road round the Meracanam plat forms from the Cundados bridge to the Thenbakum bridge @ Rs 100 per Mile.

No of Miles	Gravel Collecting and Carting							Repairing the Bridges							Repairing clearing out side channels			Amount			Total		
	Cy Ds	Rate			Amount			No	Rate			Amount											
1	50	"	10	.	31	4	.	-	-	-	-	-	-	.	35	-	.	66	4	.			
2	50	"	12	6	39	1	.	-	-	-	-	-	-	.	35	-	.	74	1	.			
3	50	"	15	.	46	14	.	.	.	-	-	-	-	.	35	.	.	81	14	.			
4	50	"	14	.	43	12	.	"	"	-	-	-	-	.	35	-	.	78	12	.			
5	50	"	11	6	35	15	.	2	22	8	.	45	.	.	35	-	.	115	15	.	416	14	.
1 Pyggust for 8 Months @ 10 " "																					80	.	.
Sundries																					3	2	.
Total Rupees																					420 500	"	.

Estimate Rupees Five four hundred twenty only

Collector of South Arcot

Sub Engineer No 2 Range South Arcot

Lieutt Col R.E.
Superintending Engineer

7/25th/66 5
5th Division

From
The Officer in charge of the
No 2 Range S. Arcot

To
The Superintending Engineer
5th Division

Rev: 4063/66

Dated 16 } July 1866
Recd. }

J W 4880/66
10th Decr 1866 Lr No 144
Estimate for the Maintenance of the road round the Meracanam platforms from the Cundalore bridge to the Thembakum bridge

420
Rs 500 - -

In No 2710 of 1866

5th Division P.W.

Communications
South Arcot District No 1 Range

Repairs
Cuddalore Taluq

Abstract Estimate No of 1866.67

Work – Maintaining the Road from Koolan's Choultry to Teagavelly, Cumblimedoo, and Manavary plat forms during each year – Distance 5 Miles –

Remarks – The following Estimate has been framed in Compliance with Government order No 1439 dated 4th May 1866 and with the Superintending Engineer's Memo No 18 dated 11th Idem.

Quantity	Items	Rate			Per	Amount			Total		
250	Cyds of Laterite Collected	-	2	-	Cyd	31	4	-			
50	Do of do Carted to 1 Mile dist 4½ lm	-	11	3	Do	35	2	6			
50	Do of do do to 2d do 5½	-	13	9	Do	42	15	6			
70	Do of do do to 3d do 6½	1	-	3	Do	71	1	6			
80	Do of do do to 4th do 5½	-	13	9	Do	68	12	-			
250	Do of do Spread	-	2	6	Do	39	1	-			
	Ordinary repairs to 5 Miles of road and fencing trees for 12 months	40	-	-	Mile	200	-	-	488	4	6
	Sundries								11	11	6
	Total Estimate Rupees								500	-	-

Range Office No 1
Cuddalore
9th August 1866

W. Barrington
Executive Engineer
No 1 Range South Arcot

Collector of South Arcot

Lieut Col RE
Superintending Engineer

15/306/66
5th Division D.P.W.
South Arcot District
No. 1 Range
Estimate for Maintaining the road from Hoollan's Chuttry to Teagavellye, Cuppillimodoo, and Mavavary plat forms.

Rev. 4063/66

In No. 7271 of 1866
[illegible] M 4836/66

Amount of Estimate Rs. 510

10th Decr/66 [illegible] 144

Rs. 2510

17

5th Division D.P.W.

Communication
South Arcot District — No. 1 Range — Cuddalore Taluq

Pehan

Detailed Estimate No. of 1866/67.

Work — Remetalling and Repairing the Branch Road from the Chillumbrum High Road to Teagavully Salt pan.

Remarks. The following Estimate has been framed in Compliance with Govt. Order No. 1439 dated 4th May 1866 and with the Superintending Engineer's Memo No. 18 dated 11th Idem

Items	Measurement			Cubic Content
	L.	B.	D.	
From West to East				
Forming Slopes and Varapoos on both sides	44	3/4	1/2	16½
Do. Do.	40	1	3/4	30
Do. Do.	30	1½	1	45
Do. Do.	30	1⅞	1¼	70¼
Do. Do.	170	2¼	1½	573¾
Do. Do.	44	3/4	1/2	16½
Do. Do. upto Ferry				
Total Cyds of Earthwork				752
Turfing				
Turfing on both sides	44	1½	"	66
Do. Do.	40	2½	"	100
Do. Do.	30	3	"	90
Do. Do.	30	4	"	120
Do. Do.	170	5	"	850
Do. Do.	44	1½	"	66
Total Sqr. Yards of Turfing				1292
Remetalling with Laterite	360	5	·4	200
Total Cyds of Laterite				200

Abstract

Quantity	Description of Works		Rate			Amount			Total		
752	Cydˢ of Earthwork	per Cyd	"	1	"	47	"	"			
1292	Sqr Ydˢ of Turfing	per Sqyd	"	"	7	47	1	8			
200	Cydˢ of Laterite Collected	per Cyd	"	2	"	25	"	"			
200	Do of Do Carted Distance 4½ Mile	"	"	11	3	140	10	"			
200	Do of Do Spread	"	"	2	6	31	4	"	290	15	8
	Sundries								3	"	4
	Total Estimate Rupees								294	"	"

Range Office No 1
Cuddalore
9th August 1866

Charles Heade
Collector of South Arcot.

Rev: 4063/66
G.O. No 1271 of 1866
No 1483

W. S. Harrington.
Executive Engineer
No 1 Range S. A.

E. H. ... Lieutt Col R.E.
Superintending Engineer

5th Division P. W.

Communications — Repairs

South Arcot District — No 1 Range — Cuddalore Taluq

Abstract Estimate No of 1866/67.

Work — Remetalling and Repairing the branch road from the Chellumbram High road to Tiagavully Salt pan.

Remarks. The following Estimate has been framed in compliance with the Government order No 1439 dated 4th May 1866 and with the Superintending Engineer's Memo No 18 dated 11th Idem.

Quantity	Description of Works		Rate			Amount			Total		
752	Cydˢ of Earthwork	per Cyd	"	1	"	47	"	"	✓		
1292	Sqr Ydˢ of Turfing	per Sqyd	"	"	7	47	1	8	✓		
200	Cydˢ of Laterite Collected	per Cyd	"	2	"	25	"	"	✓		
200	Do of Do Carted Distance 4½ Mile	"	"	11	3	140	10	"	✓		
200	Do of Do Spread	"	"	2	6	31	4	"	290	15	8 ✓
	Sundries								3	"	4 ✓
	Total Estimate Rupees								294	"	" ✓

Range Office No 1
Cuddalore
9th August 1866

Charles Heade
Collector of South Arcot.

W. S. Harrington.
Executive Engineer
No 1 Range S. Arcot

E. H. ... Lieutt Col R.E.
Superintending Engineer

Communication — 5th Division D.P.W. — Repairs

South Arcot District — No. 2 Range — Tindivanum Taluq

Abstract Estimate No. of 1866.67

For maintenance of the road from Thenbakum bridge to Chunampet salt pans at Rs. 70 per mile.

Quantities or Number	Description of work	Rates Per	Rates Amount			Amounts			Total		
50	Cub. yds of gravel collecting & carting	C.y.	"	4	"	12	8	"			
50	do: do: do:	do.	"	6	6	20	5	"			
50	do: do: do:	do.	"	9	"	28	2	"			
	Repairing & clearing out side channels					105	"	"	165	15	
	Sundries								4	1	"
	Total Rupees								170	"	"

Collector of South Arcot

Lieut Col R.E.
Superintending Engineer

4

5th Division D.P.W.
South Arcot District

No. 1 Range

Estimate for Remetalling and Repairing branch road from the Chillumbrum High Road to [illegible] Salt Pans.

P.W. 1587/66
10th Dec/66 [illegible] 1866

Amount of Estimate Rs 294-

5th Division D.P.W.

South Arcot District

P W 4836/66

Abstract Estimate for maintenance of the road from Thenbakum bridge to Chunampet Salt pans.

Amount of Estimate Rs. 170

53

5th Division South Arcot District Tindivanam Taluq

Return of Traffic on the road from Thenbakum bridge to Chunampet Salt pans from the 18th to the 22d June 1866.

Date	Carts	Bullocks.
18	25	..
19	30	..
20	40	..
21	30	..
22	25	..
Total	150	..
Average	30	..

At present a deal of traffic for the
little business to the Collection of salt
and this traffic will be provided

Sub Engineer
No. 2 Range S. Arcot

Lieut Col. R.E.
Superintending Engineer

12/257/66

P W 4830/16

55

Repairs

Public / Roads /

Tindivanam Taluq

South Arcot District

Detailed Estimate No of 1866-67

Estimate for the Maintenance of the road from Thenbakum bridge to Chunampet Salt pans @ Rs 70 per Mile

No of Miles	Gravel Collecting and Carting			Repairing Clearing outside channels	Amount	Total
	cyds	Rate	Amount			
1	50	- 4 .	12 8 .	35 . .	47 8 .	
2	50	. 6 6	20 5 .	35 " .	55 5 .	
3	50	- 9 .	28 2 .	35 - .	63 2 .	165 15 .
~~1 Peggust for 4 months @ 10 - "~~						40 . .
Sundries						4 1 .
						170 " "
Total Rupees						210 . .

Estimate Rupees one Two hundred & seventy Ten only

Collector of South Arcot

Sub Engineer

No 2 Range S. Arcot

Superintending Engineer

Collector of S. Arcot.

No 7/66 6

5th Division

To

The Officer in charge of the No 2 Range - S. Arcot

To

The Superintending Engineer 5th Division

Rev: 4063/66

Dated 16th } July 1866
Recd }

P W 4836/66
10th Decr /66 L. b. 144

Estimate for the Maintenance of the road from Theroovanam bridge to Chunampet Salt pans

~~Rs 210~~ 170

In No 7271 of 1866

5th Division South Arcot District Tindivanam Taluq

Return of Traffic on the road from Curdados bridge through the Marcanam Village to join the road near the Pooleyencals platforms from the 18th to the 22d June 1866.

Date	Carts	Bullocks	
18	310	75	
19	275	80	
20	315	100	
21	317	40	
22	210	50	
Total	1427	345	
Average	285	69	

Lieut. Col. R.E.
Superintg. Engineer 5th Divn

Sub Engineer
No 2 Range S. Arcot

Collector of S. Arcot.

2

5th 6D...... 11th 7/66. 6
14/257/66

Rev: 4063/66

P W 4836/66
10th Decr/66 In No 144.

In No 7271 of 1866

Communication 5th Division D.P.W. Repairs
South Arcot District No II Range Tindevanam Taluq

Abstract Estimate No of 1866.67.

For the Maintenance of the road from Cundadoo bridge through the Mercanam village to join the road near the Pooleyeneal plat forms. @ Rs 100 per Mile.

ntity	Description of work	Rate			Per	Amount			Total
50	Cyds of Gravel collecting & carting	"	10	"	Cyd	31	4	"	
60	Do — Do — Do	"	13	"	do	48	12	"	
	Repairing, clearing out side channels and watering					120	"	"	

Total amount of Rupees 200 .. ..

Rupees Two hundred only.

Charles Hude
Collector of S. Arcot.

Lieutt Col. C.E.
Superintg Engineer 5th Divn

5th Division

5th Division D. P. W.

South Arcot District

P W 4836/66

Abstract Estimate for Maintenance of the road from Cundadoo Bridge through the Mercanam village to join the road near the Poolyencal plat forms @ Rs 100 per Mile.

Amount of Estimate Rs 200.

Public / Roads /

Repairs

South Arcot District

Tindivanam Taluq

Detailed Estimate No of 1866-67.

Estimate for the Maintenance of the road from Cundadoo bridge through the Meracanam Village to join the road near the Pooleyencal plat forms @ Rs 100 per Mile.

No. of Miles	Gravel Collecting and Carting							Repairing Cleaning out side channels & watering			Amount			Total		
	Yds	Rate			Amount											
1	30	..	10	..	31	4	..	60	..	..	91	4	..	200	..	..
2 1/4	60	..	13	..	48	12	..	60	..	..	108	12	..			

Total Rupees 200 .. ..

Estimate Rupees Two hundred only

Ell[illegible] Lieut Col. R.E.
Superintg. Engineer 5th Dn.

F. [illegible] Sub Engineer
No 2 Range South A.

[illegible]
Collector of S. Arcot

5th Division D.P.W.

South Arcot District

Traffic Return of the Road from Tolbus Choultry to Tingavully Light house from 1st January to 30th June 1866.

	Average No of Bandies per diem		Total	Average No of Cattle per diem		Total
	From east to west	From west to east		From east to west	From west to east	
1866 January	35	40	75	15	20	35
February	42	45	87	15	18	33
March	45	40	85	20	20	40
April	50	46	96	60	55	115
May	48	42	90	76	84	160
June	54	50	104	70	80	150
Total	274	263	537	256	277	533

Range Office No 1
Cuddalore
9th August 1866

A. Harrington
Ed Drury Lieut Col R.E. Executive Engineer
Superintending Engineer No 1 Range Cuddalore

5th 11/2.7/66 6
Division
13/25.7/66 7
5th Division

From
The Officer in charge of the No 2 Range S. Arcot

To
The Superintending Engineer 5th Division

Dated 16th } July 1866
Recd. 3 }

O W 4830/66

Estimate for the Maintenance from Cuddalore bridge through the Merakanam village to join the road near the Poolyenah platforms

Rs 200-"-

5th Division
11/7/66
6

6/30/74

P W 4886/66

65

5th Division D. P. W.

Communications | Repairs

South Arcot District | No. 1 Range | Cuddalore Taluq

Abstract Estimate No. of 1866.67

Work — Maintaining the Koodicadoo Salt pan Road during each year ——— Distance 1/2 Furlongs.

Remarks — The following Estimate has been framed in Conformance with Government Order No. 1439 dated 4 May 1866 and in to the Superintending Engineer's Memo No. 18 dated 11th Idem

Quantity	Items	Rate			Per	Amount			Total		
	Collection										
50	Cyds of Laterite	-	2	-	Cyd	6	4	-			
	Cartage										
50	Cyds of Laterite	-	5	-	do	15	10	-			
	Spreadage										
50	Cyds of Laterite	-	3	-	do	9	6	-	31	4	-
	Ordinary repairs for 12 months								18	12	-
	Total Estimate Rupees								50	-	-

Range Office No. 1
Cuddalore
9th August 1866

W. Beaming [illegible]
Executive Engineer
No. 1 Range South Arcot

Chas. [illegible]
Collector of South Arcot

Ell [illegible] Lieut Col R.E.
Superintending Engineer

Collector of South Arcot.

Ell [illegible] Lieut Col R.E. [illegible]
Superintending Engineer No. 2 Range [illegible]

to

ntents
56 1/4
56 1/4
150
2133/4
427 1/2
337 1/2
450
1440
641 1/4
855
219 3/8
2433/4
70
120
90
256
120
45
22 1/2
147 5/8
96 7/8
112 1/2
804 3/8
1387 3/8
1/3
3/4
fifty

2nd Division D.P.W.
South Arcot District
No. 1 Range
Estimate for Maintaining the Cuddalore Salt Pan road.

Rev: 4063/66.

P.R. 4830/66
10th Dec/66 No. 644

Amount of Estimate Rs 850

Im No 2779/66

2

Tindevanum Taluq

South Arcot District

Detailed Estimate No. of 1866-67

Work. Repairing the bund of the Chunampet salt platforms to keep out fresh water

	L	B	h	Contents
From east end	100	3	1	300
Up to high ground	270	2 5/8	3/4	531 9/16
Good	13	-	-	
Up to 1st platform	145	3	1	435
Raising	130	2 1/4	1/2	146 1/4
Widening	"	1	1 1/2	195
Breach	8	3 3/4	1 1/2	45
Widening	90	2	1 1/2	270
Breach	19	3	1	57
Widening	"	1	2	38
Breach	6	5	1 3/4	52 1/2
Widening	"	1	2	12
Breach	45	3	1	135
Widening	"	1	2	90
Raising	85	8	1/2	340
Widening	"	2	1 1/2	255
Breach	60	3	1	180
Widening	"	1	1 1/2	90
Raising	135	2 5/8	3/4	265 3/4
Widening	"	1 1/2	1 1/2	303 3/4
do	60	2	1 1/2	180
Raising	75	2 1/4	1/2	84 3/8
Widening	"	1	1 1/2	112 1/2
Breach	6	5	2	60
Widening	-	1	3	18
Raising	100	2 1/4	1/2	112 1/2
Widening	100	1	2	200

	L	B	h	Contents
✓ Raising	50	2 1/4	1/2	56 1/4 ✓
✓ do	50	2 1/4	1/2	56 1/4 ✓
Widening	"	1 1/2	2	150 ✓
✓ Raising	190	2 1/4	1/2	213 3/4 ✓
✓ Widening	"	1 1/2	1 1/2	427 1/2 ✓
✓ Raising	300	2 1/4	1/2	337 1/2 ✓
✓ Widening	"	1	1 1/2	450 ✓
✓ do	480	1 1/2	2	1440 ✓
✓ Raising	570	2 1/4	1/2	641 1/4 ✓
✓ Widening	"	1	1 1/2	855 ✓
✓ Raising	195	2 1/4	1/2	219 3/8 ✓
✓ Widening up to Villupakam	"	1	1 1/4	243 3/4 ✓
✓ Good	390	-	-	.
✓ Widening	40	1	1 3/4	70 ✓
✓ Breach	40	3	1	120 ✓
✓ Widening	"	1 1/2	1 1/2	90 ✓
✓ do	128	1	2	256 ✓
✓ Good	15	-	.	-
✓ Widening	60	1	2	120 ✓
✓ Breach	15	3	1	45 ✓
✓ Widening	"	1	1 1/2	22 1/2 ✓
✓ Raising	75	2 5/8	3/4	147 5/8 196 7/8
✓ Widening	"	1	1 1/2	112 1/2 ✓
✓ Breach up to River	165	3 1/4	1 1/2	804 3/8

C yards. ~~11437 5/8~~ 11387 3/8

Abstract

11388 ~~11437~~ C yds of Earthwork —— @ " – 1 – " per C yd	~~714~~ 711	~~12~~ 13	"
Petty Establishment and Sundries	35 8	3 4	"
Total Rupees	~~728~~ 750	"	"

Rupees seven hundred and fifty

Charles Beale
Collector of South Arcot.

[illegible] Lieut Col. R.E.
Superintending Engineer

F. Adams
Sub Engineer
No 2 Range South Arcot

From
The Officer in charge of the
No 2 Range. S. Arcot

To
The Superintending Engineer
5th Division

Rev: 4063/66.

Dated 16th July 1866
Recd July 1866

P.W. 4836/66
10th Decr 1866 [illegible]
In No 2710 of 1866

Repairing the bund of the Chunampet salt plat forms to keep out fresh water.

Rs 720 750

Trivadanum Taluq

South Arcot District

Abstract Estimate No of 1866-67.

Work. Repairing the bund of the Chunampet salt plat forms to keep out fresh water

Quantities	Description of work	Rate	Amount	Total
11388 11437	Cards of Earthwork — C	. / .	711 12 – 714 13 –	
	Petty Establishment & Sundries		8 4 35 3	
		Total Rupees		721 750 – –

Estimate Rupees Seven hundred and twenty one fifty only.

No 2 Range Office
Trivadanum
16 July 1866.

F. Elson Sub Engineer
No 2 Range South Arcot

Archibald Reade
Collector of South Arcot.

E. W. Ord Lieut Col RE
Superintending Engineer

5th Division 10/257/66 7

From
The Officer in charge of the
No 2 Range S. Arcot
To
The Superintending Engineer
5th Division

Dated 16th
Recd 3 July 1866

No 4830/66

Repairing the bund of the Chunampet Salt platfarms to keep out fresh water

Rs 750-0-0

Rs 450-0

Civil Building.
South Arcot District

Tindevanum Taluq

Detailed Estimate No of 1866-67.

Work. Repairing the Chunampet Carambalum Salt platforms.

	Length	Breadth	Height	Contents
No 1 Platform				
Raising	110	12	½	660
"	"	2	1½	330
"	40	2	1½	120
"	42	1	1½	63
		Earthwork Cyds		1173
No 2 Platform				
Raising	100	12	½	600
"	"	2	2	400
"	24	2	2	96
		Earthwork Cyds		1096

Abstract

2269 Cyds of Earthwork @ 0-1-0 per Cyd	141-13-0-0
Sundries	3-3-0-0
Total Rs	145-0-0-0

Estimate Rupees One hundred and forty five

Sub Engineer
No 2 Range South Arcot

Collector of South Arcot

Lieutt Col R.E.
Superintending Engineer

Rev: 4063/66.

P W 4836/66
10th Decr/66 [illegible] 144

Repairing the Chunampet
Carambalum salt plat
forms. Rs 145 .. ..

In No 7271 of 1866

7/25/7/66 10

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7 Repairs

Civil Building.
South Arcot District

Tindevanum Taluq

Abstract Estimate No of 1866-67.

Work — Repairing the Chunampet Carambalum salt plat forms.

Quantities	Description of work	Rate			Amount			Total		
2269	c Cyds of Earthwork @	.	1	.	141	13	..			
	Sundries				3	3	..			
								145	..	..

Estimate Rupees one hundred and fortyfive only

No 2 Range Office
Tindevanum
16th July 1866.

Collector of South Arcot

Sub Engineer
No 2 Range South Arcot

Lieut Col R.E.
Superintending Engineer

8/257/66

J.W 4836/66

5th Division D.P.W.

Repairs

District Road Fund

Abstract Estimate No. of 1866-67.

South Arcot District: No. II Range. Chedumbram Taluq

Work. Repairing branch roads from Killai road to 3 Plat forms.

Quantities	Description of charges	Rate			Per	Amount			Total		
764	Cubic Yards of earthwork	"	1	"	Cyd.	47	12	"			
1170	Square yards of Turfing	"	"	6	Syd.	36	9	"			
	Sundries					"	11	"			
	Total of Estimate Rupees								85	"	"

Rupees Eighty five only

Charles Hinde
Collector of S. Arcot.

Ulford Lieut. Col. R.E.
Superintg. Engineer 5th Divn.

South Arcot District

No. IV Range

Chedumbram Taluq

Abstract Estimate for Repairing the branch Roads from Hillai to 3 Plat forms.

Amount of Estimate Rs. 85-

South Arcot District   No. IV Range. Chedumbrum Taluq.

Detailed Estimate No. of 1866/67.

Work. Repairing Branch Roads from Hillai Road to 3 Plat forms.

Particulars of work	Measurement L	B	D	Contents
Forming Varapoos and levelling the sloping on both sides of the Road from Hillai road to Salt platform No 1	228	2	1	456
Do. Do. to Do. No. 2	70	2	1	140
Do. Do. to Thillavadangum Salt plat form	84	2	1	168
Total Cyds. of Earth work				764
Turfing varapoos on the branch road to salt platform No 1	228	2	"	456
Do. Do. No. 2	70	3	"	210
Do. Thillavadangum S. plat form	84	6	"	504
Total Sqre. yds. of Turfing				1170

Quantity	Description of Charges	Rate	Amount	Total
764	Cyds. of Earth work per cyd	@ " 1 "	47 12 "	
1170	Square yds. of Turfing per sqre. yd.	@ " " 5	36 9 "	
	Sundries		" 11 "	
	Total of Estimate Rupees			85 " "

Rupees Eighty five only

Collector of S. Arcot.

No. IV Range Office Sd. 6th September 1866

W. Reed Lt. Col. R.E. Superintg. Engr. 5th Dn.

R. Ellerson

Assistt. Engineer No. IV Range.

South Arcot. Superintending Engineer

Detailed Estimate No. of 1866-67.

South Arcot District No. IV Range Chidambram Taluq

Work. Repairing the Road from Chidambram to Killai.

Description of surface	Nature of soil	Point where measurement commences: miles	Point where measurement commences: yards	Measurement: L	Measurement: B	Measurement: @	Contents	Particulars of Work.
Road from Chidambram Road to Killai	Black cotton soil		.	120	1	1	120.	Repairing Road and forming varappus on both sides.
			120	72	2	½	72	Do. Do.
			192	640	2	¾	960.	Do. Do.
			832	52	2	2	208.	Do. Do.
			884	160	2	½	160.	Do. Do. on north side
			1044	250.	.	-		Good.
			1294	112	2	½	112	Repairing Road & forming varappus on both sides.
			1406	368	2	1	736.	
		1	14	1104	2	1	2238	
		1	1118	400.	.	.	-	Good.
		1	1518	268.	2	¾	402	Raising and widening the Road and forming varappus on both sides
		2	26	768.	2	½	768.	
		2	794	260.	-	-	-	Good.
		2	1054	734	2	¾	1101 1098	Repairing the Road and forming varappus on both sides
		3	26	1760.	.	-	-	Good
		4	26	346				
		4	372	212	6	¼	318	Raising and ~~filling~~ levelling road.
		4	584	.	.	.	7462 7165	Total cubic yards of earthwork.
		1st mile		1760.	2	.	3520.	Surfing varappus on both sides of the road.
		2d Do		1360.	2	.	2720.	
		3d Do		1500.	2	.	3000.	
							9240.	Total squares of Surfing
		4th mile		508	6½		3302	Surfing varappus on both sides of the road (including sloping of the road).
		5th mile		346.	6		2076.	
							5378.	Total squares of Surfing

73 3/4380/66

Rev: 4063/66

South Arcot District.

No. IV Range

Chedumbrum Taluq

Detailed Estimate No.

P.W.D. [illegible] of 1866-67.

Work. Repairing the Branch Roads from Killai Road to 3 Platforms.

10" Decr 1866 Lr No 144

In No 7271 of 1866

Amount of Estimate Rs 85

South Arcot

Superintending Engineer

Description of surface	Nature of soil	miles	yards	L	B	D	Contents	Particulars of work
	Black cotton soil	1st mile		"	"	"	800.	
		2nd — " —		"	"	"	800.	
		3rd — " —		"	"	"	600.	Sanding.
		4th — " —		"	"	"	1000.	
		5th — " —		"	"	"	350.	
						"	3500.	Total Sanding

Abstract

Quantity	Description of Charges	Rate	Amount	Total
~~7162~~ 7165	Cubic yards of earth work — per cyd — at	. 1 .	447 13/16 . .	
9240.	Sq yds of Surfing — per Sq yd — at	. . 4	192 8 . .	
5378.	Do — of — Do — Do — at	. . 6	168 1 . .	
800.	Cyds of sand to be excavated and carted for 1st mile			

1940 "

Costy only

Coll. R.C.

Total

	per cyd ___ @ }	" 3 "	150	"	"
800.	" D° of D° ___ D° to 2d mile per cyd @	" 5 6	275	"	"
600.	" D° ___ D° ___ 3d D° ___	" 8 "	300.	"	"
1000	" D° ___ D° ___ 4th ___ D° ___	" 5 "	312	8	"
300.	" ___ D° ___ D° ___ 5th ___ D° ___	" 5 "	93	12	"
	Sundries ___	" " "	0	6 7	"

Amount of Estimate Rupees 1940 " " Rupees one thousand nine hundred and forty only

No. II Range Office Set
5th September 1866.

Ellerton
Assistant Engineer No. II Range Set

Chas. Lande
Collector of S. Arcot.

E. M. Ward Lieut. Col. R.E.
Superint. Engineer 5th Div.

1/389/66
Rev: 4063/66.

South Arcot District

No. 10 Range

Chedumbrum Taluq

Detailed Estimate No 3 1866/1867

Work.

Repairing the Road from Chedumbrum to Killai.

P.W. 4836/66

In No 27 10/11/66

Amount of Estimate Rs. 1940

Statement shewing Traffic Return of Carts &c. on the undermentioned District Roads, for one week.

Month & date		Road from Chedumbrum to Killai		Road from Keela-chavady to the Neekaravundungudi salt pans.		Remarks.
		Carts	Donkeys	Carts	Donkeys	
1866. May	19th	23	8	"	"	No traffic of carts &c. were on the Neekaravundungudi road, as the salt was not sold during the week.
	20th	38	7	"	"	
	21st	23	12	"	"	
	22d	26	15	"	"	
	23d	25	4	"	"	
	24th	29	"	"	"	
	25th	24	3	"	"	
Total		188	49	"	"	

South Arcot
No. 10 Range Office
6th September 1866

P.W. 4836/66
1st Decr/66

Assistant Engineer No. 10 Range
South Arcot.

E.W. Ford Lieutt. Col. R.E.
Superintending Engineer

South Arcot.

Superintending Engineer

4/389/66

Statement of traffic
Return of Carts &c
on the District Roads
of Tillay and Nucka-
varumdungudi in —
Chedumbrum Talug

5th Division D.P.W.

Repairs

Abstract Estimate No. of 1866.67.

South Arcot District No. II Range Chedumbram Talug

Work — Repairing the Road from Chedumbram to Killai.

Quantities	Description of charges	Rate			Per	Amount			Total
7165	Cubic Yards of earthwork	"	1	"	C yd	447	13	"	
9,240	Sqr yards of Turfing	"	"	4	S yd	192	8	"	
5,378	Do of Do	"	"	6	do	168	1	"	
800	Cubic Yards of sand to be excavated and carted for 1st Mile	"	3	"	C yd	150	"	"	
800	Do Do to 2nd Mile	"	5	6	do	275	"	"	
600	Do Do to 3rd do	"	8	6	do	300	"	"	
1000	Do Do to 4th do	"	5	"	do	312	8	"	
300	Do Do to 5th do	"	5	"	do	93	12	"	
	sundries					"	6	"	
	Amount of Estimate Rupees								1940 " "

Rupees One thousand, nine hundred & forty only

Charles Lunde
Collector of S. Arcot.

E W Ford Lieut Col R.E.
Superintg Engineer 5th Div

E W Ford Lieut Col R.E.
Superintending Engineer

South Arcot

South Arcot District

No II Range

Chedumbrum Taluq

94[illegible]

Abstract Estimate for Repairing the road from Chedumbrum to Killai.

Amount of Estimate Rs 1,940.

5th Division D.P.W.

New Work

Communication

South Arcot District No 1 Range Cuddalore Taluq

Detailed Estimate No of 1866/67.

Work — Metalling the 1st and 2nd Miles of the Road from Kullen's Choultry to [illegible] Salt pan.

Remarks. The following Estimate has been framed in compliance with Government order No 1429 dated 4th May 1866 and with the Superintending Engineer's Memo No 18 dated 11th Idem.

Items	Measurement L	B	D	Cubic Content
Metalling the 1st Mile with gravel	1760	5	1/6	1466 2/3
Do the 2nd Mile Do	1760	5	1/6	1466 2/3

Abstract

Quantity	Description of Work		Rate			Amount			Total		
	Collection										
2934	Cyds of Gravel Collected	% Cyd	"	2	"	366	12	"	366	12	"
	Cartage										
1467	Cyds of Gravel carted to 1st Mile	"	"	11	3	1031	7	9	2292	3	"
1467	Do of Do Do to 2nd	"	"	13	9	1260	11	3			
	Spreading										
2934	Do of Gravel Spread	"	"	2	6	458	7	"	458	7	"
	Sundries								32	10	.
	Total Estimate Rupees								3150	"	"

Range Office No 1
Cuddalore
9th August 1866.

Collector of South Arcot.

W. F. [illegible] Exe.
Executive Engineer
No 1 Range S. Arcot

Lieut Col R.E.
Superintending Engineer

5th Division D. P. W. 71

District Road Fund Repairs

Abstract Estimate No. of 1866.67

South Arcot District. No. II Range Chedumbram Taluq

Work. Repairing the Road from Keelachavady to Nackaravandangudy salt pans.

Quantities	Description of charges	Rate			Per	Amount			Total		
2400	Cyds of earthwork including levelling	"	1	"	Cyd	150	"	"			
6360	Sqr yds of Turfing	"	"	6	Syd	198	12	"			
1000	Cyds of sand	"	8	"	Cyd	500	"	"	848	12	"
	Sundries								1	4	"
	Total Estimate Rupees								850	"	"

Rupees eight hundred and fifty only

Charles Reade
Collector of S. Arcot

Lieut. Col. R.E.
Superintg Engr 5th Divn

5th Division D. P. W.
South Arcot District
No. I Range
Estimate for Metalling the 1st & 2nd Miles of the Road from Kullen's Choultry to Pegavully Salt Pan

Rev: 4063/66

[illegible]

Dis No 7271 of 1866

Amount of Estimate Rs 3150

"Decd 166 [illegible]

South Arcot District

No. IV Range

Chedumbram Taluq

Abstract Estimate for Repairing the road from Keelachavady to Nuckaravundangudy village.

Amount of Estimate Rs 850.

12 2/389/66

Rev= 4063/66.

South Arcot District

No. IV Range

Chedumbrum Taluq

Detd. Estimate No. of 1866-67.

Work. Repairing the Road from Keelachavady to Nackaravundungudi Salt pans.

P Dr 4830/66

In No 7271 of 1866

Amount of Estimate Rs 850

10th Decr. 66 [illegible]

Detailed Estimate No. of 1866-67

South Arcot District No. IV Range. Chidambram Taluq

Work. Repairing the Road from Keelachavady to Nackravandungudy salt pans.

Description of Surface	Point whence measurement commences.		Measurement.			Contents	Particulars of work
	Mile	yds	L	B	D		
From Killay Road near Keelachavady to Nackara-vundungudi salt pans.			564				Good.
		564	900.	2	1	1800.	✓ Forming varappus and slopes on both sides
		1464	120.	6	½	360	✓ Raising Road ups to Plat form
		1584	120	2	1	240	✓ Forming varappus and slopes on both sides of west branch road
		1704	-	-	-	2400.	Total Cubic yds of earth work
			900 240	6 4	" "	5400 960.	Turfing
						6360	Total sq yds of turfing
		"	-	-	-	1000.	c yds of sanding.

Abstract

Quantity	Description of Charges	Rate	Amount	Total
2400	c yds of earthwork including levelling per c yd	- 1 -	150 - -	
6360	sq yds of turfing —— per sq yd @	- - 6	198 12 -	
1000	c yds of sand —— per c yd -	- 8 -	500 - -	
				848 12 -
	Sundries ——			1 4 -
	Total Estimate Rupees			850 - -

Rupees Eight hundred & fifty only.

No III Range Office S.A.
6th September 1866

Assistant Engineer No II Range
S.A.

Collector of S. Arcot.

Lieut. Col. R.E.
Superint. Engineer 5th Divn.

Public Works Department.

No. 3892

PROCEEDINGS of the MADRAS GOVERNMENT Under date the 10th Decr 1866

Read the following

Proceedings of the Madras Govt.
in the Revenue Departt.

(Here enter No. 3245 dated 27th Novr 1866)

The Budget of the ensuing official year having been closed, the Government are unable to provide therein either for the completion or for the maintenance of the salt roads referred to; but they will be prepared to consider whether funds to some extent for the former purpose from the Reserve may not be allotted on the necessary application being made after the 1st Apl next. As regards the maintenance grant, the S. Engr will doubtless be in a position in the Course of the year 1857/8 to provide the funds from his general allotment under repairs

A 144-145

To

The 1 Engr 5 Divn
" Rev Dept
" Bd of Rev
" Controller
" Acct Genl

P. W. 186 . Department.

Pro. of Govt for Decr

No. 3892

PROCEEDINGS OF GOVERNMENT, of Madras

Dated 16th Decr /57

Certain instructions issued relative to the provision of the funds required for the Completion and maintenance of salt roads in the South Coast Dt

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