Public Works (1898) Department.

G.O., No. 1238 W

DATED 16th May 1898.

[Despatch Abstract.]

Ernad Roads. Considering that the progress made on — during the months of February and March 1898 is very satisfactory and stating that H.E. the Govr. in Council is pleased to learn that a large number of Moplahs have been employed.

C. No. 4721

B
16.5.98

Indexed. 18/5

[P. W. 86.
1,000—2-3-98]

BACK PAPERS.

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

Note Tracing showing the Ernad roads taken out for Note for orders in regard to their maintenance —
19/9/99

FURTHER PAPERS.

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

B/ Fair copy

[40/500]

Public Works **DEPARTMENT.**

Papers to be read in proceedings :—

Again G.O., dated 189 , No.

Again G.O., dated 189 , No.

Current No. 3428 of 1898 , dated 20th April '98, from the Suptg. Engr. IV Circle.

„ „ „ 189 , „ , „

„ „ „ 189 , „ : „

ORDER. N-1238 W 9 16-5-98

His Excellency the Governor in Council considers that the progress made on Ernad roads during the months of February and March 1898 is very satisfactory and is pleased to learn that a large number of Moplahs have been employed.

11-5-98

B/ PKs

Mis

To
The Suptg. Engineer, IV Circle.

Dd 18/5/98

Public Works Department.

C. No. 3428

HIS EXCELLENCY THE GOVERNOR.

~~THE HON'BLE SIR HENRY BLISS, K.C.I.E.~~

~~THE HON'BLE MR. GROSE, C.I.E.~~

The Hon'ble Sir Henry Bliss K.C.I.E.

" " Mr. Grose C.I.E.

SUBJECT.

Ernad Roads

FOR ORDERS.

Two statements & a map shewing
(1) Progress on the above roads during Feb & March
(2) Percentage of Moplahs employed
are submitted for His Excellency's information. The progress made is satisfactory.

29-4-98

Seen. Satisfactory.

Hon. Members should see this file.

A.E.H.
3.5.98

Very satisfactory – it is gratifying to learn that so many Moplahs have been employed

H.S.
4/5/98

J.G.
8/5/98

B/

Recorded. Inform [illegible] as [illegible] [illegible] whether their conduct is approved

10.5.98

Mai/

HC/

Statement showing the progress made on the Ernad roads

Name of road	Total length	Work done					
		Earthwork			Masonry		
		To end of February 1898	In March 1898	Total	To end of February 1898	In March 1898	Total
	m. f.						
1. Tuvur Pandikad	3 . 4½	Complete	"	"	Complete	"	"
2. Do. Karavarakundu	3 . 4	Do.	"	"	Do	"	"
3. Melettur Do	7 – 3¾	Do.	"	"	Do.	"	"
4. Kalikavu Do	4 – 2	3 . 7	0 – 1½	4 – 0½	Begun	1/5	1/5
5. Do. Nilambur	12 – 3	11 – 1	1 – "	12 – 1	Do	1/5	1/5
6. Pandalur	7 – 4	7 – 3	0 – 0¾	7 – 3¾	Do.	1/4	1/4
7. Areokode Kaniparamba	9 – 1						

Statement showing the percentage of Moplahs to other races employed on the Ernad roads during February and March 1898

Name of roads	Period of employment	Moplahs	Hindus	Total	Percentage of Moplahs to Hindus	Remarks.
	February 1898					
Tuvur Karivarakundu	27th Jany: to 26th Feby: 1898					
Kalikavu Do		679	360	1,039	65:35	
Melattur Do	Do	558	154	712	78:22	
Kalikavu Nilambur	26th Jany to 25th Feby/98	2,139	987	3,126	68:32	
Pandalur	Do	2,919	743	3,662	80:20	
Total		6295 ~~6,759~~	2244 ~~2,617~~	8,539	74:26	
	March 1898					
Kalikavu Karivarakundu	27th Feby: to 26th March/98	928	209	1,137	82:18	
Do Nilambur	26th Feby: to 25th March/98	2,348	914	3,262	72:28	
Pandalur	Do	3,483	1,494	4,977	70:30	
Total		6,759	2,617	9,376	72:28	

29.4.98

during the months ~~of~~ of February and March 1898.

Work remaining to be done		Probable date of completion		Remarks.
Earthwork	Masonry.	Earth-work	Masonry	
~~1~~	Nil.	completed		
Gravelling		after masonry		
Nothing & a large bridge		do	do	
0 — 1½	4/5	10/4/98	5/98	
0 — 2	4/5	15/4/98	5/98	
0 — 0¼	3/4	10/4/98	5/98	
				Estimate has not yet been ~~sanctioned~~ received, & I understand that owing to the difficult nature of the country it will be almost impossible to make this road. S.E. has been called upon to report. 25.4.98

D/

Please have a report abstracted from these to be sent to S.E. with the map showing

(1) total done & to be done in each road

(2) Percentage of unskilled to other classes employed during the months of Feb & March, & giving the details for the month not daily numbers.

(3) The numbers of the roads as per statement shd be entered in the map.

(4) S.E. sho be asked to explain why roads 2 & 3 cannot be completed before the monsoon

(4) Roads 2 & 3 have been completed [illegible] in the statement [illegible] 28/4/98

Sy 01248 W 538 ~~Chr 3428~~ 0f555

C. a. W.

(1) & (2) The statements called for by W have been prepared and are submitted herewith.

(3) The number of roads has been entered on the map as directed

(4) Roads 2 & 3 have already been completed.

(5) Before drafting a memo calling upon the S. Ee. to submit this report, ~~it~~ orders are solicited as to what instructions should be given to the S. Ee. with reference to the statements and the map, which W wishes to be sent to the S. Ee. The information contained in the statements and the map were ~~obtained~~ taken only from the S. Ee's statements.

Maj
28/4/98.

Chr 7318

(5) Ltr. rep

No 7 Road

be expedited with the
memo of the Collector
to the effect that
be submitted
the same time

26.4.

D/

P.W

Memo:

The undersigned h
the honour to forward
following statements a
map and to request tha
Suptg: Engineer will be
good as to expedite the
port on road No. 7 the
of the Collector on the subj
being obtained and submitt
at the same time:-

(1) Work done and to be
done on each road

(2) Percentage of Moplahs
to other races employed during
the months of February and
March, taking the totals
for the month.

(3) Map of the Ernad roads
with the numbers entered.

No No
the information
already there
I want it
abstracted
Please

To

The S.E. IV Circle
with 3 enclos:

E.W.

Public Works (1898) Department.

CURRENT No. 3428

From The Supg. Engineer
4th Circle

Order

No. 219/W

Dated 16th April 1898

Received
Registered } 20.4.98

Enclosures 4.13 (1 Plan)

Spare copies ✓

SUBJECT.

Ernad Roads.

Submits Monthly Reports on —— for February & March 1898 together with statement for Decr./97 & a tracing showing all the roads proposed

W/ For orders
CS
23/4/98

0.L.555

BACK PAPERS.

No.	Date.
1371C	5-3-98
922C	16-2-98
785-C	9-2-98
699C	7-2-98
303C	18-1-98
4950C	2-11-97
3070W	5-11-97
2828W	9-10-97
1464D	24-9-97
2522W	9-9-97
1349D	9-9-97
1242D	27-8-97
473D	19-8-97
1156D	17-8-97
1149D	17-8-97
1148D	17-8-97
1128D	16-8-97
1124D	14-8-97
1862W.	12-7-97
754D	8-7-97
2650C	26-5-97
914W	31-3-97
879W	29-3-97
869W	26-3-97
1740C	25-3-97
1442C	12-3-97
1097C	23-2-97
1081C	23-2-97
723C	5-2-97
617C	29-1-97
478C	25-1-97
195C	13-1-97
193C	13-1-97
25W	6-1-97
5049C	23-12-96
3611W	15-12-96
4854C	15-12-96

FURTHER PAPERS.

No.	Date.
4219C	17-11-96
3153W	3-11-96
3006W	23-10-96
602W	13-3-95

Ernad Roadworks
Feb 1898.

Name of Road	Total length	Work Completed		Work remaining to be done		Probable date of Completion		Remarks
		Earthwork	Masonry	Earthwork	Masonry	Earthwork	Masonry	
1. Tuvur Pandikad	3 4½	complete		nil				
2. do Karavarakundu	3 4	Complete.		Gravelling		after Monsoon		The reason of my having had to alter my expectations is that no work was done during Ramazan which was not taken into account JBL
3. Melletur do	7 ~~3~~	complete		Metalling & Large bridge		after Moonsoon		
4. Kalikavu do	4·2	3·7	begun	0·3	all	March /98.	april 98	
5 do Nilambur	12·1	11·1.	begun	1·0	all	March 98	May /98	
6 Pandalur	7·4	7·3	begun	0·1	all	March 98	May, 98	
7. Areekode Kamparamba	9·1		Estimate Submitted					

C. W. Wood
11/3/98
Ex: Eng

J B Lutman
9.3.98
Assistant Engineer

EXECUTIVE ENGINEER'S OFFICE,
No. 1/4688
14 MAR. 1898
P. W. D.
WEST COAST DIVISION.

SUPG. ENGINEER'S OFFICE P.W.D.
No. 155 WC
16 MAR 98
4.
FOURTH CIRCLE

Statement of labour employed on Nilambur Kalikavu Road 26th January to 25th February 1898.

Date		Departmental		Task		Total	Bullock Carts	Remarks
		Moplas	Hindus	Moplas	Hindus			
1898 Jany:	26th	nil	nil	80	46	126	Nil	
	27th	„	„	72	46	118	„	
	28th	„	„	92	26	118	„	
	29th	„	„	136	61	197	„	
	30th	„	„	91	32	123	„	
	31st	„	„	99	31	130	„	
Feb:	1st	„	„	99	35	134	„	
	2nd	„	„	111	25	136	„	
	3rd	„	„	122	37	159	„	
	4th	„	„	74	30	104	„	
	5th	„	„	101	45	146	„	
	6th	„	„	79	56	135	„	
	7th	„	„	92	60	152	„	
	8th	„	„	90	59	149	„	
	9th	„	„	104	49	153	„	
	10th	„	„	105	57	162	„	
	11th	„	„	114	62	176	„	
	12th	„	„	112	43	155	„	
	13th	„	„	108	44	152	„	
	14th	„	„	46	21	67	„	
	15th	„	„	37	16	53	„	
	16th	„	„	37	14	51	„	
	17th	„	„	18	10	28	„	
	18th	„	„	12	20	32	„	
	19th	„	„	14	12	26	„	
	20th	„	„	11	9	20	„	
	21st	„	„	18	4	22	„	
	22nd	„	„	18	4	22	„	
	23rd	„	„	13	„	13	„	
	24th	„	„	16	21	37	„	
	25th	„	„	18	12	30	„	
Total.		„	„	2139	987	3126	„	

Nilambur
4th March 1897

C L Venkataramana Ayyar
Overseer. D.P.W.

No. 17/
28.2.98

Statement showing the strength of labour employed on Pandalur Road by piece-work from 26th Jany to 25th February 1898.

Date		By Piece-work		Total	Grand Total	Remarks
		moplahs	Hindus			
Jany.	26	149	35	184		
	27	149	39	188		
	28	38	26	64		Friday
	29	139	33	172		
	30	168	39	207		
	31	143	19	162		
February	1	155	21	176		
	2	151	18	169		
	3	156	21	177		
	4	32	8	40		Friday
	5	114	13	127		
	6	88	20	108.		
	7	115	26	141		
	8	114	24	138		
	9	117	24	141,		
	10	114	25	139.		
	11	13	6	19		Friday
	12	126	22	148		
	13	128	25	153		
	14	90	42	132		
	15	91	35	126		
	16	105	34	139		
	17	96	31	127		
	18	4	4	8		Friday
	19	66	34	100		
	20	79	35	114		
	21	93	34	127		
	22	„	„	„		Ramzan Holidays
	23	„	„	„		
	24	88	48	136		
	25	„	„	„		Friday.
		2919	~~Total~~ 743	3662	3662	

The small number is due to Ramzan & cholera at Mudikod.

N. V. Suryanarayana
Overseer P.W.D
28-2-98

EXECUTIVE ENGINEER'S OFFICE
No. 3/4488
MAR. 1898
P.W.D.
WEST COAST DIVISION

SUPG. ENGINEER'S OFFICE
155 WC
16 MAR. 98
3
FOURTH CIRCLE

EXECUTIVE ENGINEER'S OFFICE
No. 2/4680
14 MAR. 1898
P.W.D.
WEST COAST DIVISION

SUPG. ENGINEER'S OFFICE
155 WC
16 MAR. 98
5
FOURTH CIRCLE

Do. 2
3628/98

Statement Showing the number of daily labour employed on Task and Departmental works on Melatur-Karuvarakundu Section from 27 January to 26 February/98

Date	Task		Departmental		Total	Amount			Remarks
	Mapila	Hindus	Mapila	Hindus					
27	28	7	2	1	38				This includes bricklayers, masons, carpenters & coolies—
28	39	8	2	1	50				
29	39	6	2	1	48				
30	39	8	1	1	49				
31	40	7	1	1	49				
1	39	8	"	3	50				
2	39	8	"	3	50				
3	39	8	"	3	50				
4	39	7	"	3	49				
5	39	6	"	3	48				
6	39	5	"	3	47				
7	27	3	"	3	33				
8	27	3	"	3	33				
9	26	4	"	3	33				
10	-	"	"	3	3				
11	-	"	"	3	3				
12	-	"	"	3	3				
13	-	"	3	4	7				
14	-	"	3	4	7				
15	-	"	3	4	7				
16	-	"	3	4	7				
17	-	"	3	1	4				
18	-	"	"	"	"				
19	-	"	3	1	4				
20	-	"	3	1	4				
21	-		5	1	6				
22	-	"	5	1	6				
23	-	"	5	1	6				
24	-	"	5	1	6				
25	-	"	5	1	6				
26	-	"	5	1	6				
	499	88	59	66	712	1732	7	"	

Approved —
27 February 1898

P. Dorasawmy Naidu
Subordinate

EXECUTIVE ENGINEER'S OFFICE,
No. 94688
14 MAR. 1898
P. W. D.
WEST COAST DIVISION.

SUPG. ENGINEER'S OFFICE P.W.D.
No. 155 WC
16 MAR. 98
2
FOURTH CIRCLE.

Statement of mopalas and Hindu Coolies employd on Melatur - Karuvarakundu Section from 27 January to 26th February 1898

OWS 5 / 3428/88

No. 370 Statement shewing the number of daily labour employed Departmental & Task on Tuvur-Karuvarakundu & Karuvarakundu-Kaliavu Roads from 27th January to 26th February 1898.

Date	Strength of labour						Bullock Carts	Probable cost of labour		
	Departmental		Task			Total				
	Moplahs	Hindus	Moplahs	Hindus						
				Oddes	Nayars & others					
27	3	9	27	8	6	53	2			
28	3	9	27	8	6	53	2			
29	3	9	24	8	6	50	2			
30	3	9	32	..	5	49	2			
31	3	9	12	..	2	26	2			
1	5	8	12	..	2	27	2			
2	2	8	11	..	3	24	2			
3	2	8	12	..	2	24	2			
4	5	8	12	..	2	27	2			
5	4	8	11	..	3	26	2			
6	6	7	12	..	2	27	2			
7	6	7	12	..	2	27	2			
8	2	7	12	..	2	23	2			
9	4	7	12	..	2	25	2			
10	2	7	28	..	6	43	2			
11	6	9	29	..	6	50	2			
12	6	9	29	..	6	50	2			
13	5½	9	29	..	5	48½	2			
14	5	9	12	..	2	28	2			
15	4	8	12	..	2	26	2			
16	3	9	12	..	2	26	2			
17	3	9	11	..	3	26	2			
18	2	9	26	..	6	43	2			
19	2½	9	30	..	5	46½	2			
20	2	8	30	..	5	45	2			
21	..	..	..	..	..	..	..			
22	..	..	20	..	4	24	..			
23	2	6	20	..	3	31	..			
24	2	6	21	..	3	32	..			
25	1	4	22	..	4	31	..			
26	1	1	22	..	4	28	..			
	98	225	581	24	111	1039	50	1034	14	..

Remarks.

Tuvur-Karuvarakundu Road.

Parapet walls to 12 Culverts built and work completed. Approaches to two 6ft culverts raised and completed.

Karuvarakundu-Kaliavu Road.

Two Inspection Bungalows built with the exception of the fixing of the Doors & windows, 6 Chains of Earthwork. Rough stone collected for three Road dams and Covering stones for 3 culverts Collected at the quarry.

There has been very slow progress of work during the month as the Mopala Coolies have been working very indifferently owing to their inability to work hard during their fast.

Tuvur
27th February 1898

Sub Overseer.

EXECUTIVE ENGINEER'S OFFICE,
No. [illegible]
14 MAR. 1898
P.W.D.
WEST COAST DIVISION.

SUPG. ENGINEER'S OFFICE
No. 155 WC
16 MAR 98
1
FOURTH CIRCLE

Progress Repo
of work on
Ernad Roads

General.

The work done during the month of February amounts to practically nothing Coolies have been very unwilling to come to the work & those thave have come did little or no work & invariably left after the morning hours This was all on account of the Ramazan fast. They only began to arrive for work Early this month & it is expected that a large quantity of work will be got through this month.

Pandalur Road of the 3½ furlongs of earthwork remaining to be done last month only 2½ were done & that not over well Masonry works have been set in hand & several culverts have been completed & one or two partially done.

During the month 3662 coolie were engaged with an ~~ag~~ average of 122 daily but as before said these worked only about half a day or less of the whole 2919 were Moplas & 743 Hindus a ratio of 4 to ~~2~~ 1 nearly It is expected to not only finish the Road this month for Earthwork but to have a fair proportion of Culverts completed.

Mellatur

The road was reported complete but at the Executive Engineers inspection he ordered a culvert to be enlarged & one or two additions to be made which work is now in hand & nearly complete The work has all be measured & final payments will very shortly be paid.

Karavarakundu Kalikavu Road

Very little work done during the month only about ½ a furlong. This was on account ~~t~~of the Ramazan during the month For both this Road & Tuvur Karavarakundu Road only 1039 Coolies were employed or an average of 34 daily These consisted of 679 moplas & 366 Hindus or a ratio of 2 moplas to 1 hindu

Nilambur Road.

Only one mile remains to be done in the Earthwork & that will be completed during the month

Masonry works have been begun & will be pushed on very rapidly as labour is plentiful about Nilambur during the Month 3126 Coolies were employed or a total of 2139 moplas & 987 Hindus an average of 2 to 1

Rest Houses are all finished The approach Road requires completion to three of them & the doors have not been fixed to one. application has been made for the Employment of ~~a~~ watchers for these

J B Lutman
Asstt Engineer

Forwarded

EXECUTIVE ENGINEER'S OFFICE,
No. 4588
14 MAR. 1898
P. W. D.
WEST COAST DIVISION.

No 1328.

Forwarded to the Supg. Engineer, 4th Circle, with reference to his no. 424/C, dated 20th Septr./97.

C. W. Wood
Executive Engineer
At. 14. 3. 98

SUPG. ENGINEER'S OFFICE
No. 155 W.C
16 MAR. 98

"Enclo: No 1 to letter No 219/W"

Ernad Road Works for March 1898.

	Name of road.	Total length.	Work Completed.		Work remaining to be done.		Probable date of Completion.		Remarks
			Earthwork	Masonry	Earthwork	Masonry	Earthwork	Masonry	
1	Tuvur - Pandikad	3 4½	Complete						The earthwo of all roads practical complete Masonry works a being push on rapi sanction the large works awaited
2	Tuvur Karavarakundu	3 . 4	Complete						
3	Mellatur do	7 . 3¼	Complete						
4	Kalikavu do	4 . 2	4 . 0½	1/5	0 1½	4/5	10th april 98	May 98.	
5	do Nilambur	12 . 3	12 . 1	1/5	0 . 2	4/5	15 april 98	May 98.	
6	Pandalur	7 . 4	7 3¾	¼	0 0¼	¾	10 april 98	May 98.	
7	Areokode	9 . 1	Estimate not received sanctioned						

J. B. Eastman
Assistant Engineer

EXECUTIVE ENGINEER'S OFFICE
No. ...
7 APR 1898
P.W.D.
WEST COAST DIVISION

Statement of labour employed o

No. 194

Statement showing the Strength of labour employed on Pandalur Road by Piece-work. from 26th Feby to 25th March 1898.

Date.			By Piece-work.		Total of each day.	Grand total.	Remarks.
			Mohplas	Hindus			
1898.	February.	26	91	39	130		
		27	135	46	181		
	March.	28	162	61	223		
		1	162	59	221		
		2	161	62	223		
		3	199	67	266		
		4	89	46	135		
		5	153	52	205		
		6	171	60	231		
		7	178	59	237		
		8	189	55	244		
		9	195	57	252		
		10	189	60	249		
		11	100	50	150		
		12	170	70	240		
		13	211	64	275		
		14	190	69	259		
		15	184	63	247		
		16	"	43	43		Malapuram feast stopped works.
		17	15	47	62		
		18	90	61	151		
		19	89	59	148		
		20	69	53	122		
		21	21	44	65		
		22	"	"	"		Stopped work.
		23	61	49	110		work Renewed.
		24	95	51	146		
		25	114	48	162		
			3483	1494	~~4947~~ 4977	~~4957~~ 4977	

N. C. Sooryanarayana
Overseer P.W.D.

S.U.G. ENGINEER'S OFFICE P.W.D.
No. 201
9-APR. 98
CIRCLE.

EXECUTIVE ENGINEER'S OFFICE,
No.
7-APR. 1898
P.W.D.
WEST COAST DIVISION.

Statement of labour employed o
Nilambur Kalikavu Road fro
26th Febry: to 25th March 1896.

Date		Deptl.		Task		Total	Bullock Carts	Remar
		Moplas	Hindus	Moplas	Hindus			
1898 Feb.	26th	„	„	22	19	41	„	
	27th	„	„	49	24	73	„	
	28th	„	„	83	22	105	„	
March	1st	„	„	67	24	91	„	
	2nd	„	„	95	21	116	„	
	3rd	„	„	117	28	145	„	
	4th	„	„	95	30	125	„	
	5th	„	„	106	33	139	„	
	6th	„	„	93	25	118	„	
	7th	„	„	77	25	102	„	
	8th	„	„	77	25	102	„	
	9th	„	„	103	33	136	„	
	10th	„	„	102	39	141	„	
	11th	2	„	106	33	141	„	
	12th	„	„	69	38	107	„	
	13th	„	„	180	56	236	„	
	14th	„	„	192	57	249	„	
	15th	2	„	86	53	141	„	
	16th	„	„	90	51	141	„	
	17th	„	„	69	47	116	„	
	18th	„	„	24	18	42	„	
	19th	„	„	24	19	43	„	
	20th	„	„	54	27	81	„	
	21st	„	„	54	29	83	„	
	22nd	„	„	60	34	94	„	
	23rd	„	„	63	40	103	„	
	24th	„	„	61	24	85	„	
	25th	„	„	126	40	166	„	
Total.		4	„	2344	914	3262	„	

C. Venkataramalingam
Overseer. D.P.W.

No.

Submitted to the Sub Divisional Officer, Ernad Road Works -

Perumbil
31st March 98

9-APR.98
2

EXECUTIVE ENGINEER'S OFFICE,
No. ....
7- APR. 1898
P. W. D.
DIVISION.

PWE-10
3428(5)/98

No. 267 Statement showing the number of daily labour employed Departmental & Task on Karuwarakundu - Kaliavu Road from 27th February to 26th March 1898.

Date	Strength of labour					Total	Bullock carts	Probable Cost of labour			Remarks.
	Departmental		Task								
	Moplahs	Hindus	Moplahs	Hindus							
				Oddars	Nairs & others						
27	..	..	10	3	..	13	..				Karuwarakundu - Kaliavu Road. ¾ of a mile of Earthwork done - in cutting Catch & Side drains ⅛ of mile of Road newly cut. Concrete laid for 3 culverts - 2 of 3 ft span & one of 6 ft span and one Road Dam completed. Work stopped at present. There has been very little work done during the month by the Pieceworkers. It is due to several annual fares throughout these parts. All the coolies have been attending to it, partly owing to fever prevelant in this malarious tract of country 3 Pieceworkers have been sick
28	..	..	12	3	2	17	..				
1	..	..	30	..	4	34	4				
2	..	..	43	4	4	51	4				
3	..	..	50	4	4	58	4				
4	..	..	48	4	6	58	4				
5	..	..	47	3	7	57	4				
6	..	..	48	4	4	56	4				
7	..	..	49	4	3	56	4				
8	..	..	30	..	4	34	4				
9	..	..	38	6	6	50	4				
10	..	..	39	6	5	50	4				
11	..	..	41	6	5	52	4				
12	..	..	42	6	4	52	4				
13	..	..	44	6	3	53	4				
14	..	..	43	6	4	53	4				
15	..	..	29	..	5	34	4				
16	..	..	43	5	4	52	4				
17	..	..	43	5	7	55	4				
18	..	..	41	5	9	55	4				
19	..	..	40	5	10	55	4				
20	..	..	30	..	4	34	4				
21	..	..	..	..	..	..	..				
22	..	..	16	4	..	20	..				
23	..	..	14	4	..	18	..				
24	..	..	18	4	..	22	..				
25	..	..	20	4	..	24	..				
26	..	..	20	4	..	24	..				
Total			928	105	104	1137	80	1024	4	..	

Karuwarakundu
27th March 1898

Sub Overseer

201 W.C.
9-APR.98

EXECUTIVE ENGINEER'S OFFICE
No.
7- APR. 1898
P. W. D.
WEST COAST DIVISION

OLS.11
3420/D

EXECUTIVE ENGINEER'S OFFICE
7- APR. 1898
P. W. D.
WEST COAST DIVISION

Progress Report
of
Ernad Roads
for
March 1898

General.

A very fair amount of work has been done during the month of March & that in spite of orders having been given on the 18th to stop all works the Grant having been exceeded & no funds available. The earthwork of all the roads has been practically completed such trifling work as side drains & patches of Rock blasting only remaining to be done. Masonry works all along the whole length & several Culverts & Road Dams have already been completed.

Work was gone on with by piece-workers on condition of being paid for 1st April.

Tuvur Karavarakundu Road.

This road has been completed throughout its length both Earthwork & Masonry work & Payments have been made. A few deductions are still in hand & will be paid when the Pieceworkers return their tools.

Nellatur Road.

All work is now finished. Alterations ordered by the Executive Engineer have also been made & all payments have been made.

Kalikavu Road.

The earthwork of this road is very nearly complete the work would have been done had the revenue inspector attended to take up the land required at Kalikavu The Tahasildar has been written to repeatedly but to no effect & so the work has been delayed. Masonry works are being pushed on rapidly. the Concrete foundations of several Culverts have been laid the slopes & crossing of Kalikavu River is being done a gradient of 1 in 13 for about 100 ft has to be resorted to to save excessive cutting The diversion of the small stream is not yet begun till the estimate of the Bridge has been sanctioned.

Nilambur Road

The Earthwork of this road is all ~~but~~ complete. The descent to the river at the end of the 8th mile is being done the gradient being 1 in 15 a small piece of Earthwork is still to be done at the 10th mile & a little bit of Paddy flat at the 3rd m
Several Culverts are well advanced & very nearly all the road Dams are finished. The work is very well executed. The overseer seems to take pains to see that the work is well done on this road The Idea of having Laterite arches is done away with. Covering stones being obtained from some little distance

a lot of material at sight but this is not taken into account the pieceworker being paid only for completed work.

EX.CUT. ENGINEER'S OFFICE,
No. ....
7 APR. 1898
P. W. D.
WEST COAST DIVISION.

The Rest House at Perambile has been completed together with the approach road & stable & kitchen.

Pandalur Road.

The Earthwork of this road is practically complete a very little work is still to be done at one or two places & that should be done in a very few days

Masonry work is being well pushed on several culverts have been completed & several road Dams I have however had cause to reject several pieces of work which should have been very much better done. Concrete foundations as a whole is good I had to reject two & order it all to be taken out & redone the workers have an Idea that no mixing is required.

The Rest house at Pandalur was complete Payment was witheld for a short time to see if the woodwork was good. It is fortunate that this was done The Bamboos supplied for the roof were evidently very young & were attacked badly by some insect which reduced the bamboo to fine powder. The roofing has accordingly been ordered to be redone by the pieceworker & fresh bamboo supplied

Report of Labour.

During the Month. 1137 Coolies were employed of these 928 were Moplas & 209 hindus or a ratio of 4½ to 1

as before said labour on this road is fairly difficult to obtain the place is infected with fever & pieceworkers are constantly getting ill & leaving the work as well as their men.

On the Kalekaon ~~Road~~ Nilambur Road. 3262 Coolies were engaged of these 2344 were Moplas & 914 hindus or an averge of 2½ to 1

on the Pandalur Road 4977 coolies were engaged 3483 Moplas & 1494 hindus an average of 2½ to 1

on the Mellatur Road 16 coolies were engaged for 12 days to finish up work.

All Estemates were send in during the Month. It is requested that Early sanction be given for the larger Masonry works to be ~~done~~ set in hand Material has been collected for the work. so that immediately on the receipt of sanction the work can be set in hand.

J B Leitman
assist Eng.
3-4-98

No 1708.2.
7-4-98.

Forwarded to the Supg. Engineer,
4th Circle.

C W Wood
Executive Engineer

A/s

1

201 W.C.
9-APR 98
164

"Enclos: No 2 to letter No 219"

For December 1897

Name of Road	Total length	Work Completed		Work remaining to be done or Balance		Probable date of Completion		Remarks
		Earthwork	Masonry	Earthwork	Masonry	Earthwork	Masonry	
	m. f.							
1. Tuvvur Pandikad	3 4½	Complete		Complete				
2 do Karavarakun	3 · 4	Complete	7/8 done	nil	1/8th	Finished Dec 97	Jan 98.	
3 Mellatur do	7 · 0	Complete.	6 miles done.	nil	1 mile	Finished Dec 97	Jan 98.	
4 Kalikaon do	4 · 2	3 · 5	nil	5 fur	all	Feb 98	March 98	
5 do Nilambur	12 · 1.	9 · 0	nil ~~[illegible]~~	3 · 1.	all	March 16th ~~Feb~~ 98	March 30 98	
7 Areokode-Kamparamb	9 · 1	* Estimate is very nearly ready delayed for surveying divisions						
6 Pandalur.	7 · 4	6 · 4	nil	1 mile	all.	Feb 98	March 98	

* The estimate for earthwork alone is Rs20,000 – And as the line is not a good one I am not going to recommend its sanction.

C. H. Wood
Executive Engineer
12/2

J B Sutman.
8 · 2 · 98
Assistant Engineer

Exe. Engineer's Office No. 102 WC 17 FEB 98 1
Executive No. 2463 11 FEB 1898 West Coast
Executive Engineer's Office No. 101 SE 1/ 23 FEB 1898
Exe. Engineer's Office P.W.D. 4th Cir. No. 123 WC 3 MAR 98 Enclo. 1 Fourth Circle

Enclo: No 3 to letter No 219/W

Ols. 13 3628/8

No 219/W

Superintending Engineer's Off
4th Ci
Camp Ootacamund 15th April

From

A.H. Garrett Esq
Superintending Engineer
4th Circle

To,

The Chief Engineer
P.W. Departmen

Sir,

Enclosures 4.
2. Progress reports for February and March 1898.
1 Statement for December 1897
1 Map.

I have the honor to submit herewith two monthly reports on Em roads for February and March 18

The report for February 1898, wa delayed pending receipt of report on road No 7 promised by the Executive Engineer, which is not yet received.

The Executive Engineer is waiting for some information from the Di Board Engineer, but from the longi-tudinal section of the Road s to me when I was in Calicu I should say the constructio of Road No 7 is out of the que

A statement for December 1 and a tracing showing all the pro roa roads, called for in your Memorandums No. 303 c and 699c dated 8th January and 7th February 1898 respectively are also submitted.

I have the honor to be
Sir
Your most Obedt. Servt.

A. Dunnell.
Superintending Engineer
4th Circle.

14/4/98