(1) பக்கங்களின் எண்ணிக்கை 64
(2) புதுக்கித் திருப்பிய நாள் 7/89
(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

75

தமிழ்நாடு அரசு

P. W. D. துறை

அரசாணை எண். 1908 அச்சகம்
மு. கோப்புத் தாள் எண். பலவகை

நாள் : 16-7-1889 198 .

க்கவோ கண்டபடி கையாளவோ கூடாது

31. Sheets

கா-1—18,006—15-6-87.

1908

EXAMINER
No. 257
30 MAR 1889
ENCLOSURES
P. W. ACCOUNTS.

NOTICE.

Tenders are invited for the supply of Bullock Carts with one pair of bullocks to each cart, for use in the operations of the P. W. Department, during the Official year 1889-1890 *i.e.*, from April 1st 1889 to March 31st 1890.

2. The minimum number of Carts required on any one day during that period will probably be 12 and the maximum 25.

3. The Carts will be employed in conveying materials of all kinds, and the bullocks will sometimes be used without carts for working road rollers.

4. Both bullocks and carts must be prepared to go to any part of the Nilgiri District or South East Wynaad if called upon to do so.

5. The tender should specify the daily rate at which each cart will be hired to Government; and this rate should include all expenses, such as pay and batta of drivers, gram, cotton seed, straw, shoeing, medicine, repairs to carts, tolls etc., etc.

6. Tenderers can, if they please, tender at different rates for :—
(1.) Ooty Municipal limits.
(2.) Wellington and Coonoor.
(3.) Kullar Gudalur ghat road.
(4.) S. E. Wynaad
or at one rate for the whole district.

7. Tenders should be received in this Office not later than December 1st and need not be accompanied by a deposit.

8. The Executive Engineer reserves to himself the right of rejecting all or any of the tenders without assigning any reason for so doing.

9. The acceptance of the tender will rest with the Chief Engineer, P. W .D.

W. B. deWINTON

Executive Engineer N. D.

12th October 1888.

SUPG: ENGINEER'S OFFICE
No. 1/914 C.I.
15 FEB.89
P.W.D.
FOURTH CIRCLE

Encls: 6/128/89 C.I.

SUPG: ENGINEER'S OFFICE
No. 7/452 C.I.
17 MAY.89
P.W.D.
FOURTH CIRCLE

8/744

SUPG: ENGINEER'S OFFICE
No. 18/374 W.J.
29 JUN.89
P.W.D.
FOURTH CIRCLE

8425
~~4444~~
6300

25
30 MAR 89

1908

SUPG: ENGINEER'S OFFICE
No. 6/452 C.I.
17 MAY.89
P.W.D.
FOURTH CIRCLE

7/744

2

Comparative statement showing the rates of tenderers for the supply of bullock carts for the use of the P.W.D.

Names of stations	Messrs. Richtor & Company.	Rungiah Gounden & Company.	Ebrahim Sait & Company.	Bandy Maistry Musthean Sahib.	P. Parthasarathy Naidu.	Remarks.
	Rate per day.	Rate per day.	Rate per day	Rate per day.	Rate per day.	
1 Within Ooty Municipal limits	1 8 „	2 „ „	2 „ „	1 8 .	. . .	.
2 Within Coonoor & Wellington	2 „ „	2 „ „	3 „ „	2 „ „	1 6* „	* only for the supply of 2 carts with bulls at 1-6-0 per day at Wellington.
3 Kullar-Gudalur Ghat Road	1 8 „ while proceeding to or and returning from work. *Rs 2 while at work.	2 „ „	3 „ „	2 „ „	„ „ „	.
4 South-East Wynaad		2 „ „	3 „ „	2 „ „	„ „ „	

Nilgiri Division office,
Camp, Pandalur, 13th Feb 1889.

(Sd) W. B. de Winton,
Executive Engineer, Nilgiri Dn.

P.T.O.

Enclo: 5/128 / 2nd / 89

Comparison of Costs

Average number of carts required for the year 1889-90.
Say 18.

SUPG: ENGINEER'S
17/3749
29 JUN. 89
P. W. D.
FOURTH CIRCLE

Days ——— 365
Deduct Sundays — 52
313 working days

Total cost of carts (18 No × 1-12-0 Rs a p × 313 days) ——— Rs 9,859-8-0
Do. kept by Govt (18 × 1-2-0 × 365*) 7,391-4-0 Rs a p
Depreciation of bullocks at 20% —
18 pairs of bullocks at Rs 120 per pair Rs 2160
at 20% — 432-0-0
Depreciation of Carts at 10%
18 carts @ Rs 50 = 900 at 10% ——— 90-0-0

Total Cost if maintained by Govt Rs ——— 7,913-4-0

Excess of tender cost over Govt per annum Rs ——— 1,946-4-0

* 365 days taken owing to Govt bulls being maintained throughout the year.

(Sd) W. B. de Winton,
Executive Engineer, Nilgiri Dn.

(True Copy)

A. Smith Lt. Col. R.E.,
Supg. Engineer, 4th Circle

P.D.S.

1908

No. 4070.

Nilgiri Division Office,
Ootacamund, 13th Feb 1889.

From,
W. B. de Winton, Esq.,
Executive Engineer, Nilgiri Dn.,

To,
The Supg. Engineer, 4th Circle,
Coimbatore.

Sir,

Enclosures 2

With reference to your Endt. No. 467/N.G. dated 9th October 1888, I have the honor to forward herewith a printed notice of the call for tenders for supply of Public Cattle, and a comparative statement showing the result of that call.

2. On the back of the statement you will find figures giving relative cost to Government of Public Cattle if hired for the year at the average of lowest tendered rates, and if maintained at Government expense as they now are.

3.

3. These figures show a balance in favor of the existing system of Rs 1946. They are based on the employment of 18 pairs of bulls which is the average number employed in past years, and they prove the accuracy of the objections to hiring Cattle stated by me in para 6 of my No. 2385, dated 17th September 1888.

4. I think the best course is to return to the system* in force before October 1886, when public Cattle were charged to miscellaneous Advances and thence to the works on which they were employed. This system was objected to by the Examiner and the existing system of framing a special estimate for their upkeep and charging it direct to "Tools and Plant" was substituted at his instance. But the system he condemned worked admirably without hitch and with great economy. Whereas the present system has been productive of waste and confusion, because the Divisional rates were not lowered to suit the altered circumstances, it being only possible to do so in the case of works executed by departmental labor.

* Vide G.O., No 551w of 2d March 1886.

Vide para 7 of his letter printed with G.O. No. 2565. dated 30th Sept. 1886.

5. I beg therefore that you will be good enough to obtain permission to revert to the former system, in which case no special estimate will be required for next year and my grant for Tools and Plant can be much reduced.

I have &ca
(By order)
(Sd) T. K. Ragavandra Row
for Executive Engineer, Acctt
Nilgiri Division

(True Copy)

A Hewitt Lt Col: R.E.,
Supg. Engineer, 4th Circle.

S.D.S.

SUPG: ENGINEER'S OFFICE
No. 16/374
29 JUN. 89
P. W. D.
FOURTH CIRCLE

Enclo: 4/128/89 E.IV
EW

SUPG: ENGINEER'S OFFICE
No. 5/452
17 MAY. 89
P. W. D.
FOURTH CIRCLE

6/744

224
4

M. 244/89
200

SUPG: ENGINEER'S OFFICE
No. 1/634
13 SEP. 88
P. W. D.
FOURTH CIRCLE

Enclo. No. 2 of a letter
No. 408 of 19-9-88 from
the S.W. Sup. Eng. 4th Circle

5/744

SUPG: ENGINEER'S OFFICE
No. 9/53
6- OCT. 88
P. W. D.
FOURTH CIRCLE

Enclo: 3.

EXECUTIVE ENGINEER'S OFFICE
GEN'L. No. 1/3181
15 OCT 1888
P. W. D.

E.x
9486/88
6300

SUPG: ENGINEER'S OFFICE
No. 1/149
15 MAR. 89
P. W. D.
FOURTH CIRCLE

Enclo: 3/128/89 E.IV
EW

SUPG: ENGINEER'S OFFICE
No. 4/452
17 MAY. 89
P. W. D.
FOURTH CIRCLE

SUPG: ENGINEER'S OFFICE
No. 22/374
29 JUN. 89
P. W. D.
FOURTH CIRCLE

Comparative Statement showing receipts and Expenditure on Public Cattle in the Nilgiri Division during 1885-86, 1886-87 and 1887-88.

1908

1885-86				1886-87				1887-88				Grand Total		
Average No. of Cattle maintained	Months	Expenditure	Revenue	Average No. of cattle maintained	Month	Expenditure	Revenue	Average No. of cattle maintained	Months	Expenditure	Revenue	Expenditure	Revenue	Remarks
16¼ Pairs	April 1885	697 12 6	631 4 .	16 Pairs	April/86	183 8 6	490 8 .	19 Pairs	April/87			881 5 .	1121 12 .	+ No grain &c. was bought in the months
	May	618 5 4	555 . .		May	481 14 1	495 8 .		May			1100 3 5	1050 8 .	
	June	692 12 10	684 . .		June	459 12 10	422 8 .		June			1152 9 8	1106 8 .	
	July +	288 8 .	678 . .		July	426 2 9	512 12 .		July			714 10 9	1190 12 .	⊗ To this must be added at least some 10 per cent value of the bullocks for deterioration & the value of bullocks that died. When these things are taken into consideration, it may sometimes prove advantageous to invite tenders for supplying of bullocks at so many pairs a day at reasonable rates. It is expected that in the long run this would result in a saving to Government both in labor and in money.
	August	562 11 1	480 . .		August	497 9 3	620 .		Augt			1060 4 4	1100 . .	
	September	410 8 6	343 8 .		September	607 8 11	608		Septr			1018 1 5	951 8 .	
	October	483 15 4	428 8 .		October				October	7821 - -	6761 - -			
	November	383 11 9	397 . .		Novr				Novr					
	December	565 11 10	396 8 .		Decr				Decr					
	January/86	388 3 3	405 8 .		Jany/87	3272 10 11	2877 12 .		Jany/88			13840 1 3	18672 5 11	
	February	348 7 4	368 8 .		Feby				Feby					
	March	576 4 10	516 9 11		March				March					
	Total	6017 - 7	5884 5 11			5929 3 3	6027 . .			7821 - -	6761 - -	⊗ 19767 3 10	18672 5 11	
Add amount of arrears due by private parties on a/c of Public Cattle at end of March/86, 87 & 88			101 8 .				— 15 8				114 6 .		200 6 .	
Net revenue earned inclusive of arrears at end of each year		6017 . 7	5985 13 11			5929 3 3	6011 8 .			7821 - -	6875 6 .	19767 3 10	18872 11 11	
Percentage of Revenue against Expenditure		·99				1·01				0·88		0·95.		

Nilgiri Divn Office
Ootacamund
17th September 1888

Executive Engineer

5A

Statement of Public Cattle showing average cost of maintenance &c of a pair of bullocks per diem for the official years 1885-86, 1886-87, and 1887-88.

Years.	Cost of maintenance per diem.	Depreciation per diem at 20 per cent per annum on Rs 120 - Cost of bullocks.	Depreciation per diem of Carts at 10 per cent per annum on Rs 50.	Total.	Market ~~value~~ rate in the Nilgiri Dt. per diem.	Remarks.
1885-86	1 „ 5	„ 1 1	„ „ 3	1 1 9	From Rs 2 to Rs 2-8-0	
1886-87	1 „ 6	„ 1 1	„ „ 3	1 1 10		
1887-88	1 2 4	„ 1 1	„ „ 3	1 3 8		

1508

9

Nilgiri Division Office,
Camp, Coonoor, 13th March 1889

(True Copy)

(Sd) W. B. de Winton,
Executive Engineer, N.D.

A. L. Smith Lt. Col: R.E.,
Supg. Engineer, 4th Circle.

S.W.S.

257
30 MAR 89

Encls. 2/128/89

SUPG. ENGINEER'S OFFICE
No. 3/452 N
17 MAY 89
P.W.D.
FOURTH CIRCLE

4/744

SUPG. ENGINEER'S OFFICE
21/3/4 N.J
29 JUN 89
P.W.D.
FOURTH CIRCLE

257
30 MAR 89

1908

No. 4402.

Nilgiri Division office,
Camp, Coonoor, 13th March 1889.

From,

W. B. de Winton, Esq.,
Executive Engineer, Nilgiri Division,

To,

The Supg. Engineer, 4th Circle,
Coimbatore,

Sir,

Enclosures 2
1 statement new
1 statement old.

With reference to your memorandum No. $\frac{86}{N.J.}$, dated 23rd February 1889, I have the honor to refer you to the statement which accompanied my No. 2385, dated 17th September 1888 comparing the revenue with the expenditure, month by month from April 1885 to September 1888 and to that letter itself. The two together give as full information on the subject as it is in my power to give.

2. The former system was economical and the present one wasteful because public cattle were then charged direct

direct to the works on which they were employed and consequently a careful scrutiny of the rates had to be made month by month to see that expenditure and revenue tallied, whereas, under the present system there is no necessity to tally expenditure and revenue and no check on wasteful expenditure. The cost to Government of public cattle is greater than it used to be under the former system by the amount of the estimate now sanctioned annually for their upkeep i.e. by about Rs 10,000. This expenditure × was formerly distributed over a large number of works whose estimates were framed at rates no higher than those at present in force.

3. I append also another statement for your information, showing the cost of maintenance of a cart and pair of bullocks per diem

with

1908

with depreciation of bullocks charged at 20 per cent per annum and of carts at 10 per cent from which it will be seen that there exists a marked difference between the departmental and the local market rate which latter ranges from Rs 2 to Rs 2-8-0 in this Division as already reported in para 6 of my above number.

4. I am therefore strongly of opinion that to maintain cattle at the public expense is far more economical than to hire them in the open market, if the cost of doing so is charged direct to works.

5. With reference to para 2 of the memorandum under reply, I beg to state that the system advocated entails a little more clerical work than that now in existence but it is not of much significance compared with the interests involved.

8

6.

Enclo: 1/128/EW /89 SE

6. The enclosure No. 2 of your No. 408/EW. of 19th September 1888 has been inadvertantly retained in this office and is now returned.

I have &ca

(Sd) W. B. de Winton,

Executive Engineer, N.D.

(True Copy)

3/744

A. C. Smith Lt Col: R.E.,

Supg. Engineer, 4th Circle.

P.W.S.

SUPG: ENGINEER'S OFFICE
No. 2/452 W
17 MAY. 89
P. W. D.
FOURTH CIRCLE

ENGINEER'S OFFICE
20/374 N.J.
29 JUN. 89
P. W. D.
FOURTH CIRCLE

No. 128/EW 1908

Superintending Engineer's Office,
4th Circle,

Camp: Alipee 25th March 1889.

From

Lieutt. Colonel A. C. Smith R.E.,
Superintending Engineer,
Fourth Circle.

SECRETARY TO GOVERNMENT
29 MAR. 89
P.W. DEPARTMENT, MADRAS.

To

The Chief Engineer,
P. W. Department.

ENCLOSURE
30 MAR 89

Sir,

Enclosures 6
* 2 Ex: Engr's letters Nos 4070 & 4402 and with 4 enclosures

I have the honor to forward the accompanying correspondence* between the Executive Engineer Nilgiris and myself with reference to G.O. No. 3085 of 2nd October 1888 and the employment of public Cattle at Ootacamund.

2. From my own two years' experience as Executive Engineer Nilgiris I can safely say that the system in vogue during my tenure of Office worked exceedingly well and as you will see from the statements now put up was considerably more economical than that advocated by the Examiner.

3. It seems to me that for a mere matter of form of account we are now working our cattle at a loss. Nothing could have been fairer than to charge the actual expenses, plus a small margin for wear and tear, to the works on which the cattle were really employed, and the rates naturally covered their cost, as they would (or ought to) the cost of carriage no matter what cattle were employed.

4. I do not know what possible practical objection there could be to the above course except that until the actual charges were known the upkeep of the bullocks was put down as a miscellaneous advance.

5. There are many reasons why the old system was the best, the principal one being that as the cost of upkeep owing to fluctuation in prices of fodder &ca &ca - varied, so the daily charge could be, and was, altered and thus there was no waste of any kind or any unfair charges to the works.

1908

6. I think the arguments set forth by the Executive Engineer are most clear and I agree with him entirely.

7. The late Supg. Engineer Col: Brockman seems to have thought that the Ex: Engineer's figures were wrong because proper allowance had not been made for wear & tear or dead cattle, but you will see that allowance has been made of 20% for cattle, and 10% for carts, and I think this fair enough, but even if this allowance were sextupled it would not bring the rates up to those now obtaining in the market or to those tendered by various contractors.

8. You will see that the call for tenders has not met with the results anticipated by Col: Drake Brockman & I am strongly against the employment of Native Contractors for Cattle Supply. Any one who has seen the working of the scavenger carts in the municipality and knows as I do the difficulty there is in

getting

getting such work done at Ooty. will endorse this opinion and I should be very sorry for our works to be dependent on similar arrangements.

9. Under the circumstances I strongly advise a return to the old system as advocated by the Executive Engineer.

SUPDG ENGINEER'S OFF.
NO.
29 JUN. 89
P.W.D.
FOURTH CIRCLE

I have the honor to be,
Sir,
Your most obedt. servant,

A L Smith Lt. Col: R.E.,
Superintending Engineer, IV Circle

6300

P.W.D.

EXAMINER
No. 257
30 MAR 1889
ENCLOSURES 6
W. ACCOUNTS.

From
The Supg: Engineer,
Fourth circle.

SUPG: ENGINEER'S OFFICE
No. 1/452.6
17 MAY.89
P. W. D.
FOURTH CIRCLE

2744.

SUPG: ENGINEER'S OFFICE
No.
29 JUN.89
P. W. D.
FOURTH CIRCLE

Dated 25th March 189.

No. 128
GW

Enclo: 6

Public Cattle employed in the Nilgiri Dn.

Forwarding certain correspondence on the subject of — & suggesting a return to the old system under the circumstances stated.

No. 1665C d/ 29th March 1889

To C

For favor of remarks.

Rhodes
29.3.89

W.

No. 599 D/ 7th May 1889

To W.

There are two questions to be considered namely;

(a) contract system *versus* departmental system, and

(b) the form of bullock cart account if any.

2. As regards the first, I think the Executive Engineers' comparison, as detailed on the back of the list of tenders, requires a good deal of correction.

3. To begin with the average number of carts, the Executive Engineer's calculation assumes that an average daily employment of 18 units (cart and pair of bullocks) can be secured by maintaining 18 units.

1908

This is of course a mistake. Allowance must be made for sick cattle, and for carts under repair; and also for the fact that, whereas under no circumstances can you employ more units than you have available, there will be many working days on which you cannot employ all the available units. I have neither experience nor statistics to enable me to say with any confidence what allowance should be made on this score, but I should think it would be rash to count on an average daily *employment* of 18 units (on working days) with an average daily *strength* of less than 21 units, all told, sound and sick. In para 2 of the conditions on which the tenders are based, the probable daily minimum is given as 12, and the maximum as 25, which would require the maintenance of 25 units *plus* a margin for sickness and repairs.

4. Then the Executive Engineer counts Sundays only as non-working days; but taking account of holidays and exceptionally rainy weather, and one thing and another, I should think it would be necessary to allow for quite a dozen non-working days in addition to Sundays, or say 13 to make the working days a round number

5. Then as to contract rates, the Executive Engineer apparently takes the simple average of the four rates

12

(two at Rs.2 and two at Rs.I-8-0) tendered by Messrs. ~~Ritchi~~ Richtor and Co.; but in a case like this the average must be stated with due regard to the relative frequency of employment at the several rates. I have no information on this point, but I am under the impression that employment within Ootacamund Municipal limits will be a good deal more common than employment in the South East Wynaad etc.; whilst as regards Coonoor and Wellington it seems probable (vide T.Parthasarady Naidu's tender) that separate arrangements partially at any rate) might be made. When the average rate is ~~counted~~ corrected in the light of the above remarks it may be found to be Rs. I-9-0 a day or even less instead of Rs.I-I2-0.

6. I find from the accounts that the actual cost of the bullocks kept by Government is as nearly as possible Rs.35 per pair a month, including wages of drivers, which is a trifle more than the daily rate of Rs.I-2-0 allowed by the Executive Engineer.

7. The Executive Engineer has made no allowance for repairs of carts. If the allowance for depreciation is meant to cover this, it is, I think, altogether insufficient. The accounts do not now show separately the cost of repairs of carts, and have never distinguished between repairs of bullock carts and repairs of hand carts, but from the accounts of 1886-87 it appears that the average cost of repairs of carts of all kinds was about Rs. 25 a month, and allowing for the comparative numbers and for the heavier work probably falling on the bullock carts, I should think that the repairs of bullock carts alone may very probably be about Rs.I50 or Rs.200 a year.

1908

8. On the other hand, the Executive Engineer has slightly overestimated the original cost of the bullocks the average of which according to the accounts seem to be about Rs.I00 instead of Rs.I20 a pair; and his percentage for depreciation and renewal of bullocks is perhaps unnecessarily liberal, and might perhaps be safely reduced to I5 per cent, but the allowance of I0 per cent for carts is not too much.

9. If the elements of the calculation are corrected as indicated above, the comparison will stand as follows:-

A. Cost on the contract system of an average of I8 bullock carts daily, for 365 - (52+I3) =300 wor ing days, at Rs.I-9-0 per diem.................Rs.8,438

B. Cost of maintaining throughout the year 2I carts and 2I pairs of

13

bullocks, to secure an average daily employment of I8 bullock carts:-

Keep etc. of 2I pairs of bullocks including drivers, for I2 months at Rs.35 each per mensem Rs.8,820

Renewal of bullock at I5 per centor 2I pairs at Rs. IOO..............Rs. 3I5

Renewal of carts at IO per cent or 2I carts at Rs.50...Rs. I05

Repairs of carts, say I80

Total Rs.9,420

showing a balance of about a thousand Rupees in favor of the contract system.

10. I do not pretend that my comparison is an accurate statement of the case: I merely give it as showing that certain elements of the calculation require more careful consideration than they appear to have received. The principal points are the average number of units employed daily nd the comparative frequency of mployment in the different scheduled ocalities; and for the proper deter- nation of these points it would be cessary to have statistical information for a year under the heads provided for in the following table:-

1908

Date		Distribution of Cattle.							
Month	Day	Working at				Total Working	Idle	Sick	Total strength
		Ootacamund.	Wellington and Coonoor	South East Wynad &c:	Going to and returning from South East Wynad &c:				
1	2	3	4	5	6	7	8	9	10

It is essential that the figures should be given for each day. Averages yearly, or monthly, or even weekly — would be worse than useless: they would only mislead. Probably the Executive Engineer has the means of giving such information for the past; and if the departmental maintenance system is continued, he should keep a record in the form for the future; or if the contract system is adopted, he should keep a similar record omitting the last three columns. Strictly speaking there should be a corresponding record for carts, if the departmental system is continued, but the carts are a small matter and probably no appreciable error will be introduced by assuming that there should be one cart for every pair of bullocks.

11. As regards the other matter — the form of account — if the contract system is definitely adopted cadit quaestio : the charges incurred will be debited at once to the works

24

concerned, and no bullock cart account will be required. At present the adoption of the contract system is ordered, and it would be waste of time to discuss the form of an account which in all probability will not be wanted at all.

12. With regard however to the remarks in para 4 of the Executive Engineer's letter No. 4070 dated 13th. February 1889, I may point out that the form of account has nothing whatever to do with the cost of the maintenance of the carts and bullocks. If there has been under one system, waste and extravagance which did not occur under the other, it must be owing to defective control, and not to the way in which the accounts were kept.

Memo No 1665 C d/29.3.89
Jo. Bus 3085 W d/2.10.88

P. W. Dept.
To be returned with reply.

C.

No. 2333 C d/ 14th May 1889

Enc. 6

Forwarded to the Suptg: Engineer IV circle for favor of the early submission of a further report on the subject with reference to the Examiner's remarks.

(By order)

Deputy Chief Engineer Capt. R.E. P.W.D.

PWC No. #1166

SUPG. ENGINEER'S OFFICE
No. 452 W
17 MAY. 89
P. W. D.
FOURTH CIRCLE

1744

R 8-5-89

SUPG. ENGINEER'S OFFICE
No. 19/374
29 JUN. 89
P. W. D.
FOURTH CIRCLE

Forwarded

Abstract of Monthly Statements of working of Public Cattle in Nilgiri Division for 1888-89.

1908

Month	Total Strength	Total working	Percentage of working to Total Strength	Remarks.
April	819	665	81	
May	829½	704	85	
June	699½	508	72	Monsoon Months.
July	683½	379	55	The total strength in this month was seriously reduced by Rinderpest.
August	728½	628	86	
September	684	548½	80.	
October	689½	591	85	
November	649	548	84	
December	667½	506	76	Xmas Holidays
January	691½	569	82	
February	630	526	83	
March	690½	574	83	
Total	8462	6746.5	952	
Average	705	562	79.72	

Ootacamund
26 June 1889

Executive Engr

Then

SUPDG. ENGINEER'S OFFICE
14/874/49
29 JUN. 89
P. W. D.
FOURTH CIRCLE

Abstract showing variations in number of Public Cattle maintained, and total actual cost per day of doing so.

Total Strength Pairs	Period for which maintained Days	Total Pairs maintained	Remarks 1908
28	9	252	
27	44	1188	
26½	1	26·5	
26	11	286	
25½	6	153	Total cost of Cattle 9688-14-5
25	2	50	Total cost of purchase & repair of carts 663.13.8
23½	51	1198·5	Rs 10,352.12-1
23	13	299	Total cost per pair per day Rs 1-3-7.
22½	107	2407·5	
22	41	902	
21½	59.	1268·5	
21	5	105	
20½	13	266·5	
19½	3	58·5	
	365	8461.	

Executive Engr

Ootacamund
26th June 1889

C6

SUPG. ENGINE
13/374
29 JUN. 89
P.W.D.
FOURTH CIR

Distribution of Public Cattle

1908

Date Month	Day	Pairs working at Ootacamund	Coonoor Wellington	South East Wynaad	[illegible] Wynaad	On circuit or hired	Total Working	Sick	Idle	Total Strength	
1888 April	1	"	"	"	"	4	4	2	22	28	Sunday
"	2	13	9	"	"	4	26	2	"	28	
"	3	11	9	"	"	6	26	2	"	28	
"	4	15	9	"	"	2	26	2	"	28	
"	5	14	8	"	"	3	25	3	"	28	
"	6	14	8	"	"	3	25	3	"	28	
"	7	14	8	"	"	3	25	3	"	28	
"	8	"	"	"	"	1	1	2	25	28	Sunday
"	9	12	9	"	"	5	26	2	"	28	
"	10	11	9	"	1	5	26	1	"	27	
"	11	11	9	"	1	5	26	1	"	27	
"	12	12	9	"	1	4	26	1	"	27	
"	13	15	9	"	"	2	26	1	"	27	
"	14	11	9	"	4	2	26	1	"	27	
"	15	"	"	"	4	1	5	1	21	27	Sunday
"	16	11	9	"	4	2	26	1	"	27	
"	17	12	9	"	4	1	26	1	"	27	
"	18	12	9	"	4	1	26	1	"	27	
"	19	12	9	"	4	1	26	1	"	27	
"	20	11	9	"	4	2	26	1	"	27	
"	21	12	9	"	4	1	26	1	"	27	
"	22	"	"	"	"	4	4	1	22	27	Sunday
"	23	10	9	"	1	4	24	1	2	27	
"	24	11	9	"	2	4	26	1	"	27	
"	25	10	9	"	2	4	25	1	1	27	
"	26	10	9	"	2	5	26	1	"	27	
"	27	9	9	"	2	6	26	1	"	27	
"	28	4	9	"	2	11	26	"	1	27	
"	29	"	"	"	2	6	8	"	19	27	Sunday
"	30	4	9	"	2	10	25	"	2	27	
		281	222	:	50	112	665	39	115	819	

crd

Ootacamund
26 June 1889

Executive Engr

NEER'S OFFICE
12/374
22 JUN. 89
TH CIRCLE

C908

Distribution of Public Cattle

Date		Pairs working at									
Month	Day	Ootacamund	Coonoor & Wellington	S.E. Wynaad	To & from Wynaad	On circuit & hired	Total Working	Sick	Idle	Total Strength	
1888 May	1	3	9	"	2	12	26	1	"	27	
"	2	4	9	"	2	11	26	1	"	27	
"	3	7	9	"	2	8	26	1	"	27	
"	4	5	9	"	2	10	26	1	"	27	
"	5	6	9	"	2	9	26	1	"	27	
"	6	"	"	"	2	8	10	1	16	27	Sunday
"	7	4	9	"	2	10	25	1	1	27	
"	8	6	8	"	3	7	24	3	"	27	
"	9	2	8	"	7	7	24	3	"	27	
"	10	1	8	"	7	8	24	3	"	27	
"	11	1	8	"	6	8	23	3	1	27	
"	12	3	8	"	6	7	24	3	"	27	
"	13	"	"	"	4	5	9	2	16	27	Sunday
"	14	5½	9	"	4	6½	25	2	"	27	
"	15	5	9	"	4	7	25	2	"	27	
"	16	7	9	"	4	5	25	2	"	27	
"	17	11	9	"	4	1	25	2	"	27	
"	18	10	9	"	4	3	26	1	"	27	
"	19	11	8	"	4	2	25	1½	½	27	
"	20	1	"	"	5	2	8	1½	17½	27	Sunday
"	21	9	8	"	5	3	25	1½	½	27	
"	22	7	8	"	7	3	25	1½	½	27	
"	23	7	8	"	7	3	25	1½	½	27	
"	24	8	8	"	7	1	24	1½	1	26½	
"	25	9	8	"	5	2	24	1½	½	26	
"	26	9	8	"	5	2	24	1½	½	26	
"	27	"	"	"	5	4	9	1½	15½	26	Sunday
"	28	8	8	"	5	3	24	1½	1/2	26	
"	29	6	8	"	6	4	24	1½	1/2	26	
"	30	9	8	"	2	5	24	1 1/2	1/2	26	
"	31	10	8	"	2	4	24	1 1/2	1/2	26	
		174½	227	"	132	176½	704	52½	73.	829½	

Executive Engr

Ootacamund
20 June 1889

ENGINEER'S OFFICE
11/3742
29 JUN 89
P.W.D.
FOURTH CIRCLE

E.G.
11/6204

1908

Distribution of Public Cattle

Date		Pairs Working at								
Month	Day	Ootacamund	Coonoor & Wellington	N.E. Wynaad	To & from Wynaad	On Circuit or hired	Total Working	Sick	Idle	Total Strength	
1888 June	1	10	8	„	2	4	24	1½	½	26	
„	2	9	8	„	3	4	24	1½	½	26	
„	3	„	„	„	4	4	8	1½	16½	26	Sunday
„	4	8	8	„	4	4	24	1½	½	26	
„	5	7	8	„	4	5	24	1	½	25½	
„	6	6	8	„	4	6	24	1	½	25½	
„	7	5½	7	„	4	6½	23	2	½	25½	
„	8	5	7	„	4	7	23	2	½	25½	
„	9	6	7	„	4	6	23	2	½	25½	
„	10	„	1	„	4	7	12	2	11½	25½	Sunday
„	11	2	8	„	„	6	16	8½	½	25	
„	12	1	8	„	„	6	15	9½	½	25	
„	13	4	8	„	„	5	17	5½	½	23	
„	14	4	8	„	„	5	17	5	½	22½	
„	15	6½	8	„	„	1½	16	6	½	22½	
„	16	9	8	„	„	„	17	5	½	22½	
„	17	„	„	„	„	6	6	5	11½	22½	Sunday
„	18	10	8	„	„	„	18	4	½	22½	
„	19	10	8	„	„	„	18	4	½	22½	
„	20	9	6	„	„	2	17	5	½	22½	
„	21	9	8	„	„	„	17	4½	½	22	
„	22	7	8	„	„	2	17	4	½	21½	
„	23	4	8	„	„	5	17	4	½	21½	
„	24	„	„	„	„	3	3	4½	14	21½	Sunday
„	25	4½	8	„	„	4½	17	4½	„	21½	
„	26	9	8	„	„	„	17	4½	„	21	
„	27	6	8	„	„	3	17	4	„	21	
„	28	7½	6	„	„	1½	15	5½	½	21	
„	29	7	2	„	„	2	11	3½	6	20½	
„	30	4½	2	„	„	4½	11	3½	6	20½	
		170½	190	„	37	110½	508	115½	76	699½	

Ootacamund
26 June 1889

19

J B Whitter
Executive Engr

SUPG. ENGINEER'S OFFICE
10/3742
29 JUN 89
P.W.D.
FOURTH CIRCLE

Distribution of Public Cattle

1908

Date		Pairs working at								
Month	Day	Ootacamund	Coonoor & Wellington	N.E. Wynaad	Transit from Wynaad	On [illegible]	Total Working	Sick	Idle	Total Strength.
1888 July	1	"	"	"	"	"	"	3½	17	20½	Sunday
	2	9	2	"	"	"	11	3½	6	20½
	3	6	2	0	"	3	11	4½	5	20½
	4	8	2	"	"	1	11	4½	5	20½
	5	8	2	"	"	1	11	4½	5	20½
	6	6	2	"	1	2	11	4½	5	20½
	7	7	2	"	1	1	11	4½	5	20½
	8	"	"	"	1	1	2	4½	14	20½	Sunday
	9	7	2	"	1	1	11	5	4½	20½
	10	7	2	"	"	2	11	5	4½	20½
	11	8	2	"	"	1	11	5	4½	20½
	12	10	2	"	"	"	12	3	4½	19½
	13	8½	2	"	"	1½	12	3	4½	19½
	14	9	2	"	"	1	12	3	4½	19½
	15	"	"	"	"	"	"	1½	22	23½	Sunday
	16	10	2	"	"	"	12	1½	10	23½
	17	14	2	"	"	"	16	1½	6	23½
	18	12	2	"	"	2	16	1½	6	23½
	19	12	2	"	"	2	16	1½	6	23½
	20	13	2	"	"	1	16	1½	6	23½
	21	13	2	"	"	1	16	1½	6	23½
	22	"	"	"	"	2	2	2½	19	23½	Sunday
	23	12	2	"	"	2	16	1½	6	23½
	24	13	1	"	"	1	15	2½	6	23½
	25	13	1	"	"	1	15	2½	6	23½
	26	13	1	"	"	1	15	2½	6	23½
	27	13	7	"	"	1	21	2½	"	23½
	28	14	8	"	"	"	22	1½	"	23½
	29	"	"	"	"	"	"	1½	22	23½	Sunday
	30	14	8	"	"	"	22	1½	"	23½
	31	9	8	"	4	1	22	1½	"	23½
		268½	72	"	8	30½	379	88½	216	683½

J. B. [illegible]
Executive Engr

Ootacamund
26 June 1889

20

ENGINEER'S OFFICE 9/374 29 JUN. 89 P.W.D. FOURTH CIRCLE

1908

Distribution of Public Cattle

Date		Pairs working at									
Month	Day	Ootacamund	Coonoor & Wellington	N.E. Wynaad	To & from Wynaad	On circuit or hire	Total Working	Sick	Idle	Total Strength	
1888 August	1	10	8	"	4	"	22	1½	"	23½	
	2	10	8	"	4	"	22	1½	"	23½	
	3	11	8	"	4	"	23	½	"	23½	
	4	14	8	"	"	1	23	½	"	23½	
	5	"	2	"	"	1	3	½	20	23½	Sunday
	6	14	8	"	"	1	23	½	"	23½	
	7	14	8	"	"	1	23	½	"	23½	
	8	14	6	"	"	3	23	½	"	23½	
	9	14	6	"	"	3	23	½	"	23½	
	10	8	6	"	7	2	23	½	"	23½	
	11	6	8	"	7	2	23	½	"	23½	
	12	1	2	"	"	2	5	½	18	23½	Sunday
	13	13	8	"	"	2	23	½	"	23½	
	14	13	8	"	"	2	23	½	"	23½	
	15	12	8	"	"	3	23	½	"	23½	
	16	11	7	"	"	5	23	½	"	23½	
	17	12	2	"	"	3	17	½	6	23½	
	18	10	8	"	"	5	23	½	"	23½	
	19	"	2	"	"	5	7	½	16	23½	Sunday
	20	10	7	"	"	6	23	½	"	23½	
	21	10	8	"	"	5	23	½	"	23½	
	22	10	7	"	"	6	23	½	"	23½	
	23	9	7	"	"	6	22	1½	"	23½	
	24	9	8	"	"	5	22	1½	"	23½	
	25	10	8	"	"	4	22	1½	"	23½	
	26	"	4	"	"	4	8	1½	14	23½	Sunday
	27	10	8	"	"	4	22	1½	–	23½	
	28	10	8	"	"	4	22	1½	"	23½	
	29	10	8	"	"	4	22	1½	"	23½	
	30	9	8	"	"	5	22	1½	"	23½	
	31	7	8	"	"	7	22	1½	"	23½	
		291	210	"	26	90	628	26½	74	728½	

B. [illegible]
Executive Engr

Ootacamund
26 June 1889

71

SUPG. ENGINEER'S OFFICE
8374 W.S.
29 JUN.89
P.W.D.
FOURTH CIRCLE

Distribution of Public Cattle

1908

Date		Pairs working at.								
Month	Day	Ootaca-mund	Coonoor & Wellington	N. E. Wynaad	To & from Wynaad	On private or hired	Total Working	Sick	Idle	Total Strength	
1888 September	1	8	8	"	"	6	22	1½	"	23½	
	2	"	2	"	"	2	4	1½	18	23½	Sunday
	3	12	7	"	"	2	21	2	½	23½	
	4	12	7	"	"	2	21	~~2~~ 1½	½	23½	
	5	6½	6	"	"	3	15½	½	7	23	Bullocks were [illegible]
	6	13	6	"	"	3	22	½	½	23	
	7	12	6	"	"	4	22	½	½	23.	
	8	12	6	"	"	4	22	½	½	23	
	9	"	3	"	"	4	7	½	15½	23	Sunday
	10	12	6	"	"	4	22	½	½	23.	
	11	12	6	"	"	4	22	1	"	23.	
	12	9	6	"	"	7.	22	1	"	23	
	13	14	2	"	"	2	18	1	4	23	
	14	14	6	"	"	2	22	1	"	23	
	15	14	6	"	"	2	22	1	"	23.	
	16	"	2	"	"	2	4	½	18	22½	Sunday
	17	15	6	"	"	1	22	½	"	22½	
	18	15	2	"	"	17	17	½	5	22½	
	19	13½	6	"	"	1½	21	½	1	22½	
	20	12	4	"	"	5	21	"	1½	22½	
	21	14	5½	"	"	1½	21	"	1½	22½	
	22	14	6	"	"	1	21	"	1½	22½	
	23	"	2	"	"	"	2	"	20½	22½	Sunday
	24	15	6	"	"	"	21	"	1½	22½	
	25	15	6	"	"	"	21	"	1½	22½	
	26	15	6	"	"	1	22	"	½	22½	
	27	13	6	"	"	3	22	"	½	22½	
	28	6	6	"	"	10	22	"	½	22½	
	29	11	6	"	"	5	22	"	½	22½	
	30	"	2	"	"	3	5	"	17½	22½	Sunday
		309	154½	"	"	85	548½	16½	119	684	

J Bellomton
Executive Engr

No. 22

Ootacamund
26 June 1889

SUPG: ENGINEER'S OFFICE
No. 7/374 89
29 JUN.89
P.W.D.
FOURTH CIRCLE

Distribution of Public cattle.

1908

Date		Working at									
Month	Day	Ooty	Coonoor & Wellington	S.E. Wynaad	To and from Wynaad	On circuit or hire	Total working	Sick	Idle	Total Strength pair	
1,888 Octr	1	11	4	-	-	6	21	-	1½	22½	
"	2	15	6	-	-	1	22	-	½	22½	
	3	11	6	-	-	5	22	-	½	22½	
	4	9	6	-	1	6	22	-	½	22½	
	5	7	6	-	1	8	22	-	½	22½	
	6	6	6	-	1	9	22	-	½	22½	
	7	-	-	-	1	8	9	-	13½	22½	Sunday
	8	11	6	-	-	7	22	-	½	22½	
	9	12	6	-	-	6	22	-	½	22½	
	10	14	6	-	-	2	22	-	½	22½	
	11	14	6	-	-	2	22	-	½	22½	
	12	14	6	-	-	2	22	-	½	22½	
	13	14	6	-	-	2	22	-	½	22½	
	14	"	2	-	-	4	4	½	18	22½	Sunday
	15	12	6	-	-	3	21	½	1	22½	
	16	12	6	-	-	3	21	-	1	22	
	17	11	5	-	-	4	20	1	1	22	
	18	9	6	-	-	6	21	-	1	22	
	19	12	5	-	-	3	20	1	1	22	
	20	13	6	-	-	2	21	-	1	22	
	21	"	2	-	-	2	4	-	18	22	Sunday
	22	11	6	-	-	4	21	1	"	22	
	23	11	6	-	-	3	20	1	1	22	
	24	11	6	-	-	3	20	1	1	22	
	25	11	6	-	-	3	20	1	1	22	
	26	13	7	-	-	1	21	1	-	22	
	27	14	6	-	-	-	20	1	1	22	
	28	1	-	-	-	2	3	1	18	22	Sunday
	29	13	7	-	-	1	21	1	"	22	
	30	13	6	-	-	1	20	1	1	22	
	31	11	7	-	2	1	21	1	"	22	
		316	163	-	6	106	591	13	35½	689½	

Ootacamund
26 June 1889

Executive Engr

SUPT. ENGINEER'S OFFICE
No. 6/374
29 JUN. 89
P.W.D.
FOURTH CIRCLE

Distribution of Public cattle.

[908

Date		Working at					Total working	Sick	Idle	Total strength pairs	
Month	Day	Ooty	Coonoor & Wellington	S.E. Wynaad	To & from Wynaad	on circuit or hire					
1888 Novr	1	7	7	..	5	2	21	1	..	22	
	2	5	7	..	4	5	21	1	..	22	
	3	..	7	..	6	7	20	1	..	21	
	4	..	..	..	6	2	8	..	13	21	Sunday
	5	3½	7	1	6	4½	22	..	..	22	
	6	7	7	1	6	1	22	..	..	22	
	7	6	7	1	6	2	22	..	..	22	
	8	3	6	1	6	5	21	..	1	22	
	9	8	6	1	3	2	20	1	1	22	
	10	8	6	1	3	2	20	1	1	22	
	11	..	..	..	2	2	4	1	17	22	Sunday
	12	9	7	1	2	2	21	1	..	22	
	13	9	6	1	1½	2	19½	1	1	21½	
	14	8	6	1	1½	4	20½	1	..	21½	
	15	11	7	1	1	1	21	..	½	21½	
	16	11	7	1	1	1	21	..	½	21½	
	17	6	2	1	6	1	16	..	5½	21½	
	18	..	..	..	4	1	5	..	16½	21½	Sunday
	19	8	6	1	3	3	21	..	½	21½	
	20	8	6	1	3	3	21	..	½	21½	
	21	9	6	1	3	2	21	..	½	21½	
	22	7½	6	1	3	3½	21	..	½	21½	
	23	5	5	1	3	6	20	..	1½	21½	
	24	4½	6	1	5	3½	20	..	1½	21½	
	25	..	..	..	2	..	2	..	19½	21½	Sunday
	26	11	6	1	2	..	20	..	1½	21½	
	27	9½	6	1	2	½	19	1	1½	21½	
	28	5	6	1	2	5	19	1	1½	21½	
	29	4	6	1	2	6	19	1	1½	21½	
	30	2	6	1	6	5	20	1	½	21½	
		175	160	23	106	84	548	13	~~42~~ 88	649	

Ootacamund
26 June 1889

Ag Executive Engr

SUPG. ENGR.
No. 5737 4
29 JUN. 89
P.
FOURTH CIRCLE

Distribution of Public cattle

Date		Working at					Total Working	Sick	Idle	Total Strength pairs	1908
Month	Days	Ooty	Coonoor & Wellington	S.E. Wynaad	Do and From	On circuit or hire					
1888 Decr.	1	4	6	1	6	3	20	1	½	21½	
	2	"	"	"	4	2	6	1	14½	21½	Sunday
	3	6	7	1	4	2	20	1	½	21½	
	4	5	7	1	4	3	20	1	½	21½	
	5	4	7	1	5	3	20	1	½	21½	
	6	5	7	1	5	2	20	1	½	21½	
	7	1	7	1	5	6	20	1	½	21½	
	8	5	7	1	5	2	20	1	½	21½	
	9	"	"	"	1	2	3	1	17½	21½	Sunday
	10	10	6	1	1	3	21	"	½	21½	
	11	9	6	1	2	4	22	"	½	22½	
	12	9	6	"	2	4	21	"	½	21½	
	13	10	6	"	1	3	20	1	½	21½	
	14	11	6	"	1	2	20	1	½	21½	
	15	"	6	"	1	2	9	1	11½	21½	Bad weather
	16	"	"	"	"	2	2	"	19½	21½	Sunday
	17	10	6	"	1	4	21	"	½	21½	
	18	10	6	"	1	3	20	1	½	21½	
	19	10	6	"	1	3	20	1	½	21½	
	20	12	6	"	"	2	20	1	½	21½	
	21	12	6	"	1	1	20	1	½	21½	
	22	12	2	"	1	1	16	"	5½	21½	
	23	"	"	"	1	1	2	"	19½	21½	Sunday
	24	12	6	"	"	2	20	1	½	21½	
	25	"	"	"	"	2	2	~~19½~~ "	19½	21½	Christmas
	26	12	5	"	"	2	19	1	1½	21½	
	27	12	6	"	"	2	20	1	½	21½	
	28	14	6	"	"	"	20	1	½	21½	
	29	14	6	"	"	"	20	1	½	21½	
	30	"	"	"	"	1	1		20½	21½	Sunday.
	31	11	7	"	"	3	21		½	21½	
		220	152	9	53	72	506	21	140½	667½	

Ootacamund
26 June 1889

for Executive Engr

…NEER'S
28 JUN.89
P.W.D.
…TH CIRCLE

4/374 kJ

Distribution of Public cattle.

1908

Date		Working at					Total			Total	
Month	Day	Oty	Coonoor & Wellington	S.E. Wynaad	To and from Wynaad	an ai: :cit or line	Working	Sick	Idle	Strength pairs	
1889 January	1	..	1½	-	1	3½	6	-	15½	21½	Newyear's Day
	2	12	5	-	1	2	20	1	½	21½	
	3	13	5	-	1	1	20	1	½	21½	
	4	10	4	-	1	5	20	1	½	21½	
	5	8	4	-	1	7	20	1	½	21½	
	6	..	..	-	-	8	8	-	13½	21½	Sunday
	7	6	5	-	-	9	20	-	2½	22½	
	8	7	7	-	-	6	20	-	2½	22½	
	9	10	6	-	-	4	20	1	1½	22½	
	10	10	6	-	-	4	20	1	1½	22½	
	11	9	7	-	-	6	22	-	½	22½	
	12	9	7	-	-	6	22	-	½	22½	
	13	..	..	-	-	7	7	-	15½	22½	Sunday
	14	9	6	-	-	6	21	1	½	22½	
	15	10	5	-	-	7	22	-	½	22½	
	16	10	5	-	-	7	22	-	½	22½	
	17	10	2	-	-	9	21	-	1½	22½	
	18	10	5	-	-	7	22	-	½	22½	
	19	11	-	-	-	6	17	-	5½	22½	
	20	..	..	-	-	1	1	-	21½	22½	Sunday
	21	13	4	-	1	4	22	-	½	22½	
	22	13	7	-	1	1	22	-	½	22½	
	23	13	7	-	1	1	22	-	½	22½	
	24	13	6	-	2	1	22	-	½	22½	
	25	13	6	-	2	1	22	-	½	22½	
	26	13	7	-	2	-	22	-	½	22½	
	27	..	..	-	2	-	2	-	20½	22½	Sunday
	28	10	7	-	2	3	22	-	½	22½	
	29	12	4	-	..	4	20	-	2½	22½	
	30	12	5	-	..	4	21	-	1½	22½	
	31	12	5	-	-	4	21	-	1½	22½	
		278	138½	..	18	134½	569	7	115½	691½	

J Beb…

Executive Engr

Ex:

Ootacamund }
26 June 1889 }

26

ENGINEER'S OFFICE
No. 3/374 RD.
29 JUN. 89
P.W.D.
FOURTH CIRCLE

Distribution of Public Cattle

1908

Date		Pairs working at.									
Month	Day	Ootaca-mund	Coonoor & Wellington	N.E. Wynaad	Tolfrom Wynaad	on circuit or hired	Total Working	Sick	Idle	Total Strength	
1889 February	1	9	7	"	1	5	22	"	1/2	22½	
	2	8	7	"	1	6	22	"	1/2	22½	
	3	"	"	"	1	5	6	"	16½	22½	Sunday
	4	9	6	"	1	5	21	"	1½	22½	
	5	9	6	"	1	5	21	"	1½	22½	
	6	9	5	"	1	5	20	1	1½	22½	
	7	11	5	"	"	4	20	1	1½	22½	
	8	11	6	"	"	4	21	"	1½	22½	
	9	8	6	"	2	5	21	"	1½	22½	
	10	"	"	"	2	3	5	"	17½	22½	Sunday
	11	11	6	"	2	3	22	"	½	22½	
	12	10	6	"	2	3	21	1	1/2	22½	
	13	9	6	"	2	3	20	1	1½	22½	
	14	9	6	"	3	3	21	"	1½	22½	
	15	9	6	"	3	3	21	"	1½	22½	
	16	9	6	"	3	3	21	"	1½	22½	
	17	"	"	"	1	4	5	"	17½	22½	Sunday
	18	11	6	"	1	3	21	1	½	22½	
	19	11	6	"	1	3	21	1	1/2	22½	
	20	9	6	"	1	4	20	1	1½	22½	
	21	10	6	"	1	4	21	"	1½	22½	
	22	12	6	"	"	3	21	"	1½	22½	
	23	9	6	"	2	4	21	"	1½	22½	
	24	"	"	"	2	4	6	"	16½	22½	Sunday
	25	9	6	"	2	4	21	"	1½	22½	
	26	9	6	"	2	4	21	"	1½	22½	
	27	9	6	"	2	4	21	"	1½	22½	
	28	9	7	"	2	4	22	"	1/2	22½	
	29										
	30										
		229	145	"	42	110	526	7	97	630	

Executive Engr

CRP

27

Ootacamund }
20 June 1889 }

SUPDG. ENGINEER'S OFFICE
No. 2/374 Ord
29 JUN. 89
P. W. D.
FOURTH CIRCLE

Distribution of Public Cattle

1908

Date		Pairs working at.								
Month	Day	Ootacamund	Coonoor & Wellington	N. E. Wynaad	Jeppore Wynaad	On circuit or hired	Total Working	Sick	Idle	Total Strength
1889 March	1	9	6	"	2	4	21	"	1½	22½
	2	2	2	"	3	10	17	"	5½	22½
	3	2	4	"	3	10	19	"	3½	22½ Sunday
	4	2	6	"	3	10	21	"	1½	22½
	5	3	6	"	3	9	21	"	1½	22½
	6	8	6	"	3	4	21	"	1½	22½
	7	9	5	"	3	3	20	"	2½	22½
	8	9	6	"	3	3	21	"	1½	22½
	9	8	6	"	3	4	21	"	1½	22½
	10	1	"	"	"	3	4	"	18½	22½ Sunday
	11	8	5	"	"	7	20	"	2½	22½
	12	9	6	"	"	6	21	"	1½	22½
	13	13	6	"	1	1	21	½	1	22½
	14	13	6	"	1	1	21	½	1	22½
	15	13	6	"	1	2	22	½	"	22½
	16	13	6	"	1	"	20	½	2	22½
	17	"	"	"	1	2	3	½	19	22½ Sunday
	18	11	6	"	1	3	21	"	1	22
	19	12	6	"	1	2	21	"	1	22
	20	11	6	"	1	3	21	"	1	22
	21	11	6	"	"	4	21	"	1	22
	22	11	6	"	"	4	21	"	1	22
	23	12	6	"	"	3	21	"	1	22
	24	"	"	"	"	3	3	"	19	22 Sunday
	25	12	6	"	"	4	22	"	"	22
	26	11	6	"	"	4	21	"	1	22
	27	12	6	"	"	3	21	"	1	22
	28	12	6	"	"	3	21	"	1	22
	29	10	6	"	"	5	21	"	1	22
	30	11	6	"	"	4	21	"	1	22
	31	"	"	"	"	4	4	"	18	22 Sunday
		258	154	–	34	128	574	2½	114	690½

Ord

28

Executive Engr

Ootacamund
20 June 1889

SUPERINTENDING ENGINEER'S
No. 1/374
29 JUN. 89
P. W. D.
FOURTH CIRCLE

Enclosures 1-21 from the Supg. Engineer 4th Circle No. 293/Est. of 2-7-89

No. 1139.

P. W. D.

N.B.—*Please quote the number and date of this letter in future communication on this subject.*

Nilgiri Division Office,

Station. Ootacamund 28th June 1889.

Enclosures. 12

1 Endorsement No. 209/N.I. of 18/5/89
8 Enclosures to the above
2 Abstracts
1 Twelve Distribution statements

12

From

W. B. de Winton Esquire

1908

Executive Engineer, Nilgiri Division,
Ootacamund,

To

The SUPERINTENDING ENGINEER,
Fourth Circle,
Coimbatore.

Sir,

In reply to your Endorsement No. 209/N.I dated 18th May, herewith returned with all its enclosures, I have the honor to forward herewith the statistics asked for by the Examiner in Para 10 of his office Note No. 599 dated 7th May, showing the cattle maintained, working, sick & idle month by month for the official year 1888-89, together with abstracts showing percentage of cattle working to numbers maintained, and monthly variations in numbers, with total actual cost per diem.

2. It will be seen from the above that the average number of pairs maintained during the year was 23 and their cost Rs 1-3-7 per diem,

the total cost of public cattle during the year including purchase of bullocks, and purchase & repair of carts, being Rs 10,352-12-1.

3. Of course mortality from Rinderpest, and the additional purchases necessitated thereby have rendered the year an exceptionally unfavourable one, but taking into consideration that the departmental work in the Division is becoming more restricted yearly as the contract system advances, & that, if cattle are maintained by Government, the proportion of idle bullocks to number maintained, already heavy in some months will have a tendency to increase, I think it will be more economical for the future to hire cattle in the open Market.

4. I beg therefore to withdraw my recommendation that the present system should be continued and to propose instead that Messrs Richtor & Co's tender for the supply of cattle be accepted for Ootacamund Municipal limits, Kullar Gudalur ghaut road, and the Wynaad and P. Parthasarathy Naidu's for Coonoor & Wellington, and that the existing bullocks & carts, the property of Government, be sold by public auction.

I have the honor to be,

Sir,

your most obedient Servant,

Executive Engineer,

Nilgiri Division.

1908

Clean No. 293/EW

Enclosures 22
1 Endorsement of C.E. No 2333C of 14-5-89 with 7 Enclosures
2 Abstracts
12 Distribution statements
22

* Kullar Gudalur ghaut and the Wynaad.

Forwarded to the Chief Engineer P. W. Department with reference to his endorsement No. 2,333 C of 14th May 1889.

2 Under the circumstances now brought to light the undersigned agrees with the Executive Engineer's opinion and recommends the acceptance of the tenders of Messrs Richtor & Co. for Ootacamund works* and that of Parthasarady Naidu for Coonoor and Wellington works.

3. Before entering into Contract with the above individuals the existing Government bullocks and Carts should be sold by public auction.

4. All the papers connected with the subject are herewith returned.

30

Camp Ootacamund
2nd July 1889

Colonel R.E.
Superintending Engineer, ~~IV~~ Circle

SUPG ENGINEER
NO. 374 I.J.
29 JUN.89
P.W.D.
FOURTH CIRCLE

From
The Executive Engineer,
Nilgiri Division,

To
The Superintending Engineer,
4th Circle.

Dated 23rd
Despatched 28th
Received
June 1889.

No. 1139

Enclosures. 22 ~~12~~ ~~14~~

Subject.

Forwarding the Statistics showing the Cattle maintained in the Nilgiri Dn. for 1888-8 together with abstracts:—

1908

31

P.W.C. No 6300

Pr.-Mo. 3085 W.D. 2.10.88
" " 2464 W.D. 13.9.87
" A. 551 W.D. 2-3-86

From

The Supg. Engineer,
Fourth circle.

Dated 2d July 1889.

No: 293
EW

Enclo: 22

Public Cattle:-

Forwarding letter from the Executive Engineer Nilgiri Division forwarding a statistics showing cattle maintained in Nilgiri Division for 1888-89; and recommending the tenders of Richter & Co. for Ooty works and that of Parthasarady Naidu for Coonoor and Wellington.

O.S. 6617.. Hm 12/7.

Hm

B

Ind
13 July.

The Govt accepts the recommendations of the Supdg Engineer IV Circle that the public cattle required for public works in the Nilgiri Division be provided by contract. Steps should be taken to dispose of, to the best advantage, the Govt cattle and Carts now in the Division.

10.7.89

12.7.89

31

S.E. IV Circle ✓
Exf. Br. A. ✓ D
19/7

10/7 9/22/7