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MADRAS RECORD OFFICE.

Public Works
Government of Madras.
DEPARTMENT.

G.O. No. 2815	Press Mis.
88-89	
Dated 9 18 60	

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
4th September 1866.*

No. 88. Read the following Proceedings of the Madras Government in the
Military Department:—

Calling for plans and estimates for sheds with
tiled or corrugated iron roofs for the Govern- } (Here enter 29th August 1866, No. 3,013.)
ment bullocks at Bangalore.

No. 89. ORDER THEREON, 4th September 1866, No. 2,815.

MILITARY WORKS, No. 5.

Communicated to the Superintend-
ing Engineer of the 5th Division, who
is requested to submit, at an early date,
the requisite plans and estimates for the bullock-sheds with tiled or corrugated
iron roofs proposed to be erected at Bangalore.

(True Extract.)

Colonel, R. E.,
Secretary to Government.

To the Superintending Engineer, 5th Division:
,, Military Department.

Ed. S. T. Augustin.

MILITARY DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following papers:—

From the Controller of Military Accounts, Fort Saint George, 4th August 1866, C; to the Secretary to Government, Military Department.

I have the honor, with advertence to paragraph 2 of the Order of Government, No. 2442, dated 13th July 1866,

Dated 30th July 1866, No. 1971.

to forward a letter from the Commissary

General, with statement of the mortality among the public bullocks at the various stations during 1864 and 1865, and estimates for the erection of ordinary thatched sheds and for sheds with tiled roofs at Bangalore.

2. It will be observed that the mortality at Bangalore until the appearance of the rinderpest has not been great—not half of that at Trichinopoly, and much below Wellington, Bellary and Hoonsoor—It will be observed that the mortality last year at Bangalore was only 1.71 per cent, the lowest rate in the whole table excepting that at Kamptee.

3. The Commissary General now states that the shelter recommended is more particularly required when disease breaks out and rages for a long time, as it has been doing at Bangalore.

4. It appears to me that the proper remedy in such contingencies is to provide a temporary shed as has been already done, and that these statistics do not support the opinion that the public bullocks require to be kept ordinarily under cover at Bangalore.

5. They seem to be ordinarily very healthy there, nor has it even, as far as I am aware, been alleged that the climate is unfavorable to them.

6. If it is determined to put all the bullocks under cover, the erection of substantial sheds by the Public Works Department will probably be the most economical measure; but, unless it is decided, on the fullest consideration, that such a measure is likely to be generally advantageous at the various stations in the Army, the present out-break appears to be an insufficient reason for incurring the expense exceptionally at Bangalore.

7. It would be satisfactory to have more extensive statistics, drawn from the experience of at least a decade, and more definite information as to the probable benefit which would ordinarily accrue from cover for the public bullocks generally than has yet been before Government. The conclusions which have led to the present proposal appear to have been arrived at from a limited and partial view of the subject.

From the Commissary General, Madras, 30th July 1866, No. 1971; to the Controller of Military Accounts, Fort Saint George.

I have the honor, with reference to paragraph 2 of the Order of Government, No. 2442, dated 13th July 1866, to forward herewith a statement showing the actual loss in bullocks by death during the years 1864 and 1865.

2. I have also to forward a memorandum showing the probable expense of erecting thatched sheds at Bangalore, and in doing so, I would refer to the letter quoted in Order of Government, No. 2374 of 24th June 1865, from the Quarter Master General, containing the expression of His Excellency the Commander-in-Chief's strong objection to this description of roof.

3. The Executive Officer has also forwarded estimates for tiled roofs,—these I also forward.

4. I have only to add that the shelter now recommended is more particularly required when disease breaks out and rages for a long time as it has been doing at Bangalore, and where since the beginning of the year no less than 41 animals have been carried off, many of which Dr. Thackes is of opinion might have been saved or have escaped disease altogether had proper shelter been provided.

STATEMENT of casualties amongst draught bullocks during the years 1864 and 1865.

	1864			1865		
	Strength.	Dead.	Per centage	Strength.	Dead.	Per centage.
Madras.....	72	5				
Bangalore.....	131	13	9.92	132	6	4.55
Hoonsoor.....	46	2	4.35	351	6	1.71
Trichinopoly.....	46	10	21.74	36	6	16.16
Bellary.....	23	4	17.39	72	14	19.45
Cannanore.....	93	14	15.5	21	1	4.76
Secunderabad.....	32	1	3.12	150	3	2
Kamptee.....	271	19	7.1	85	2	2.45
	456	8	1.75	588	21	3.57
	1,170	76	6.5	1,817	62	3.41

COMMISSARY GENERAL'S OFFICE,
MADRAS, 30th July 1866.

(Signed) E. E. MILLER, Lieut.-Colonel,
Commissary General.

From Major J. P. WATTS, Staff Corps, and Assistant Commissary General, Bangalore, 24th July 1866, No. 502; to the Commissary General, Madras.

With reference to your letter, No. 165, dated 6th July 1866, I have the honor to forward, as requested, an estimate* of the cost at which ordinary thatched sheds can be erected departmentally for the draught bullocks. I

would however mention that His Excellency the Commander-in-Chief strongly objected to thatched roofs and insisted upon having all buildings connected with the cattle lines tiled—vide letter from the Quarter Master General to the Officer Commanding Mysore Division, No. 4641, dated 22nd April 1865, published with Proceedings of Government, No. 2374, dated 24th June 1865. It would therefore be impolitic while the attendants' huts were tiled, that the Government bullock sheds should be thatched and the risk from fire would be great. I therefore beg to forward

3 estimates of tiled sheds prepared by different parties. I beg to state that 41 draught bullocks have died since January last, 1 from Moopanny and 40 from rinderpest, the value of these bullocks amounts to 5,000 and odd Rupees.

MEMORANDUM showing the probable expense for erecting ordinary thatched sheds departmentally at Bangalore.

For 1 Shed.	
12 Choppers, at 5 Rupees each.....	60 0 0
16 Stone pillars, small, at 2 Rupee each.....	32 0 0
8 do. do. large, at 3 Rupees each.....	24 0 0
8 Surruns, at 1 Rupee each.....	8 0 0
60 Bamboos, large, at 3 per Rupee.....	20 0 0
Ropes.....	3 0 0
Contingencies.....	3 0 0
Total Rupees...	150 0 0
For 6 sheds, Rupees...	900 0 0

COMMISSARIAT OFFICE,
BANGALORE—July 1866.

(Signed) J. P. WATTS, Major,
Staff Corps, and Asst. Commy. Genl.

No. 1.

MEMORANDUM of estimate showing the probable cost of bullock shed of Karkhana 66 feet long and 22 feet broad, with jungle wood for each shed.

		Rate.		Amount.	
		RS.	A. P.	RS.	A. P.
18	Stones 9 feet long	3	0 0	54	0 0
9	Stones 13 " "	4	0 0	36	0 0
24	Cuddies	3	8 0	336	0 0
96	Rafter	5	8 0	110	0 0
20,000	Tiles	5	0 0	100	0 0
20	Bandies or carts of jungle reapers			45	0 0
	Bricklayers' cooly			60	0 0
	Carpenters' "			15	0 0
	Nails, &c				
Total Rupees.....				900	0 0

(Signed) DOOGIA NAIDU.
(") E. SEEGIROW.

BANGALORE,
10th July 1866

No. 2.

Estimate of the probable expense of constructing a shed as per annexed Plan.

Detail measurements.					Abstract of quantities and cost.			
No.	Length.	Breadth.	Depth.	Area or Content.	Detail of work.	Rate.	Per.	Quantity.
						RS.	A. P.	RS.
18	11	1	9	18	Excavating and filling foundation.....	2	8 0	18
9	11	1	13	9	Upright stones	3	0 0	27
0	66	28	0	1,848	Do.			
24	81	1	1	47	Roofing with pan tiles, respers, &c.....	16	0 0	1,848
82	14	1	1	144	Teak-wood Summers	3	0 0	47
2	66	11	0	1,352	Do. rafters.....			144
					Flooring with gravel tumping, &c.....	0	8 0	131
					Total..			948
					Contingencies at 5 per cent.....			47
					Grand Total Rupees..			995

(Signed.) N. C. & Co.

[Statement

No. 3. ESTIMATE for erecting a bullock-shed.													
Number.	Breadth.	Depth.	Length.		Rate.			Cost.			Total.		
					RS.	A.	P.	RS.	A.	P.	RS.	A.	P.
27	6" x	1' x	2	Excavating foundation.....	0	0	1	0	2	3			
18	6" x	1 1/2 x	9	Stone pillars.....	2	4	0	40	8	0			
9	6" x	1 1/2 x	13	Do. do. each.	3	4	0	29	4	0			
88	5' x	4' x	14	Jungle wood rafters.....	3	8	0	308	0	0			
24	6 x	8' x	9 1/2	Summers jungle wood.....	6	0	0	144	0	0			
	68' x	2-8	...	Roofing with bamboos, black tiles, &c.....	14	0	0	266	0	0			
	66 x	22	...	Flooring with gravel..... Sqr.	0	4	0	3	8	0			
100	...	...	...	Square stones.....	3	0	0	3	0	0			
				Hire for lifting the stone pillars. each.	0	4	0	3	12	0			
				Contingencies at 5 per cent.....	0	0	0	40	0	0			
Total Rupees...					...	...	...	...	...	...	833	2	3

30th June 1866.

(Signed) MOORE

30th June 1866.

(Signed) MOONESAWMY,
Maidry.

ORDER, No. 3013, 29th August 1866.
Ordered to be communicated to the Department Public Works, in view to Plans and Estimates for sheds, with tiled or corrugated iron roofs, for the Government bullocks at Bangalore, being called for and submitted to Government.
(True Extract.)

To the Controller of Military Accounts, with 7 enclosures.
" Public Works Department.
" Commissary General.
" Quarter Master General.

M. Sullivan Colonel,
Deputy Secretary to Government.

P. W. B. Depto
Pro: of Govt for September
A 3002
Pro: of the Major Genl
in the Military Depto

I 27. Sept
Recd 1st Sept 1866

A 3013

Calling for Plans
and Estimates for sheds,
with tiled or corrugated
iron roofs, for the Govt
bullocks at Bangalore.

A 88.

ev 28th Sept/66

Daily Works

Public Works Department
No. 2875

Proceedings of the Madras Government

Under date the 1st Sept. 1866

Read the following
Proceedings of the Madras
Govt in the Public Works Department (H.E. No. 3013 dated 29th Aug. 1866)

Communicated to the
Superintending Engineer of
the 5th Division, who is
requested to submit, at
an early date, the requisite
plans and estimates for the
bullock sheds with corrugated
iron roofs proposed to be
erected at Bangalore -

6 To the Superintending Engineer of
7 - - - - - Military Department

Supd. 5th Div.

23.
3

[Signature]

P. W. 1886 Depatt
Propo of Govt for Sept 1886

No 2815

Propo of the Madras Govt

Dated 14th Sep 1886

(The Super-
intending Engineer of
the 6th Division re-
quested to submit plans
and estimates for the
erection of Bullock sheds
(Government.) at Bangalore
with tiles or corrugated
iron roofs.

Ann. 89.