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MADRAS RECORD OFFICE.

Government of Madras.

Public Works **DEPARTMENT.**

G.O. No. <u>1542</u>	Press
<u>146-147</u>	~~Mis.~~
Dated <u>6-6-</u>	<u>1965</u>

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
6th June 1865.*

No. 146. Read the following Proceedings of the Madras Government in the Military Department:—

Approving of the plan and estimate, amounting to Rupees 4,500, for the construction of a set of Rifle Ranges at Bellary. } (Here enter 29th May 1865, No. 1,973.)

No. 147. ORDER THEREON, 6th June 1865, No. 1,512

MILITARY WORKS, No. 11.

1. Communicated to the Superintending Engineer, 3rd Division, whose attention will be requested to paragraph 2.

2. The cost of the work will be charged against the Reserve under "Military."

(True Extract.)

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

To the Superintending Engineer, 3rd Division, with Specification Report.
" Accountant General.
" Controller of Public Works Accounts.

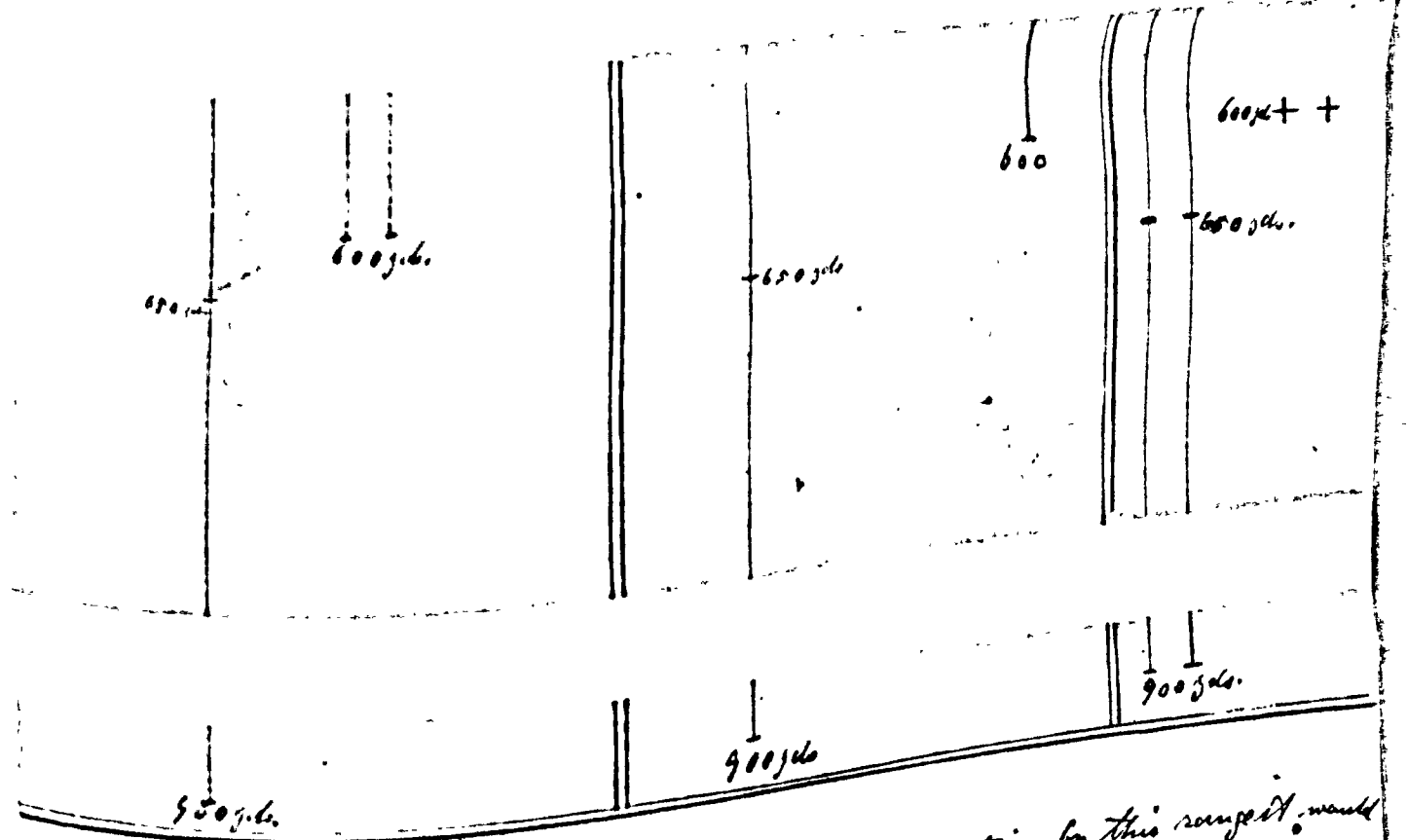
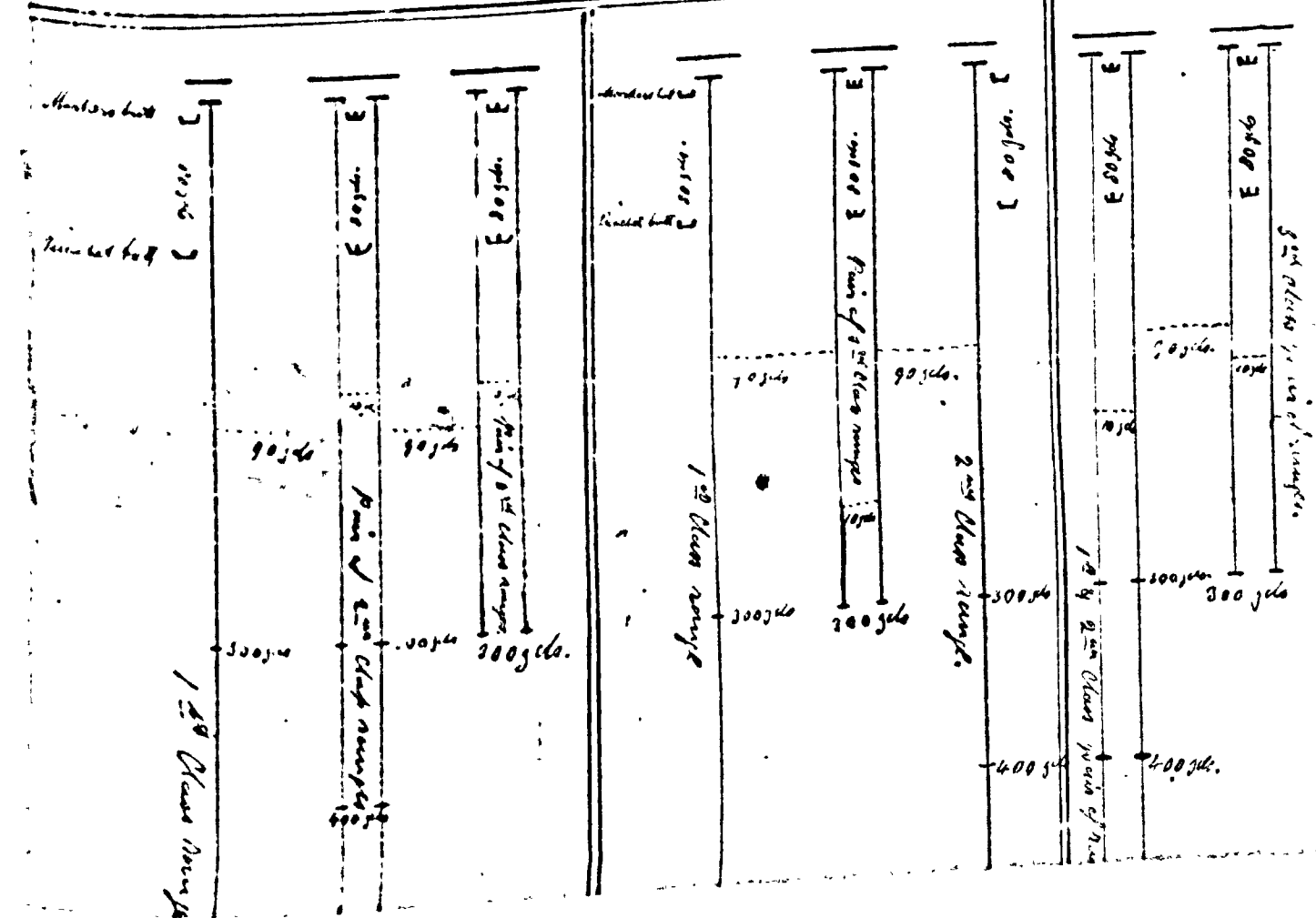
Exd S. T. Augustin.

Abstract Estimate for constructing a set of Rifle Range Stop Butts &c. for the use of the European Infantry stationed at Bellary.

Qty.	Description of Charges	Rate	Per	Amount	Total
<u>For 1 Stop Butt (large)</u>					
509 1/3	C. Yards of Tamping and Excavation	3	c yds	1470 8	
	For 2 Stop Butts required				941
<u>For 1 Stop Butt 1 1/2 Chaps 1/2 Size</u>					
1386 2/3	C. Yards of Tamping and Excavation	3	"	260	260
	Total Stop Butts				1201
<u>For 1 Maskers Butt (double)</u>					
687 1/4	C. feet of Stone in Chumam	2	c feet	73 6 6	
77 1/4	C. feet of concrete Bedding under Foundations	1	"	4 13 3	
383 1/2	S. feet of Plastering	1 8	sq ft	3 12	
150	S. of Flooring with Earth well rammed	2	"	3	
162	S. of Roofing with lugguwood joists, mats Bamboo 1/2 mud	20	"	32 6 8	
2-8	Teak wood wrought and put up	3 8	c feet	9 8 4	
111	Tamping and Excavation. C. Yards	3	c yds	20 13	
1	Table 6x8	20	each	20	
1	Seat 18x1 1/2	25	"	25	
	For 2 required			194 8 8	389 1
<u>1 Single Maskers Butt</u>					
649 3/4	C. feet of Stone in Chumam	2	c feet	68 11 6	
69 3/4	C. feet of concrete Bedding	1	"	4 3 9	
331 1/2	S. feet of Plastering	1 8	sq ft	4 15 7	
150	S. of Flooring	2	"	3	
162	S. of Roofing	20	"	32 6 8	
2-8	C. feet of Teak wood	3 8	c feet	9 8 4	
111	C. Yards of Tamping and Excavation	3	c yds	20 13	
1	Table	20	each	20	
1	Seat	25	"	25	182 9 7
<u>For 1 Ricochet Butt (double)</u>					
489	C. feet of Stone in Chumam	2	c feet	61 2	
67 1/2	S. of concrete Bedding	1	"	4 3 6	
295 1/2	S. feet of Plastering	1 8	sq ft	4 8 8	
80	S. of Flooring	2	"	1 9 7	
99	S. of Roofing	20	"	19 12 10	
1-6	C. feet of Teak wood	3 8	c feet	5 4	
93 1/2	C. Yards of Tamping and Excavation	3	c yds	17 14 6	
1	Seat	13	each	13	
	For 2 required			127 7 1	254 14 2
					2833 8 9

Qty	Description of Charges	Rate	Per	Amount	Total
	For 1 Single Ricochet				2833 9 9
481 1/2	6. feet of Stone in Chimney	at	2. cft	56 7	
60	Do of Concrete Bedding	at	1. "	3 12	
288 1/2	1. feet of Pointing	at	1 8. sq. ft.	3 14	
80	Do of Flooring	at	2. "	1 9 7	
99	Do of Roofing	at	20. "	19 12 10	
1 1/2	6. feet of Teak wood	at	3 8. cft	5 4	
9 1/2	6. Yards of Tamping and Excavation	at	3. cys.	17 14 6	
1	Seat	at	13. "	13	121 9 11
212 1/2	6. feet of Stone in Mud	at	1 6. cft	19 14 9	
13500	6. yards of Gravel laid & tamped for Pathways	at	2. sq. ft.	168 8	
11	Plat forms at firing Stations	at	20. "	220	1927 6 9
	Total				4002 9 5
	Surplus 1/2 at 10 per cent				414 6 4
	Total Estimate Required				4500 .

Proposed scheme for two pairs of ranges.
 Plan. No 1. Plan. No 2. Plan. No 3.



W. H. Munniford
 U.S. Army Captain U.S.
 Supdy. Engineer 3rd Division. Assistant Engineer

Plan No. 1. 1905/06
 No. 102539 of 1865
 Plan No. 1. 1905/06

Plan No 3. Two pair of ranges laid down according to regulation. On this range it would be impossible to fire three classes at the same time, which it is necessary to do in the 1st period of target practice. Although the practice of the Battalion would be greatly delayed in a pair of ranges laid down according to plan No 2. 1 section first class, 1 section 2nd class and two sections 3rd class could fire at the same time; this plan would not do well, as in the 3rd period. I. H. there is generally more than one section - the practice would be over.

On a range laid out according to plan No. 1. two sections 3rd class, two sections 2nd class, and one section 1st class, could fire at the same time. This plan would answer well, as there is seldom a sufficient number of men living in the first class, to form two sections. The number of targets required to mark the three ranges, would be 14.

Walter Sumner Captain
Member

Edward Walker 2nd Lt.

2nd Bde 21st Fusiliers

J. Mitton Esq.

21st Fusiliers

Members

Bellary.

November 16th 1864

From 6 June/65 to 31/11/66

39/03/65

10-0-50 of 1865

39/03/65

*Report of Committee on
 proposed new site for
 Rifle Ranges at Bellary.*

Rec^d Sec^y 10th 1864

Ret^d "

John A. Q. A. Esq.

P.P. 10/4/65

M. D. 202539 of 1865.

MILITARY DEPARTMENT.
PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following letter:—

From the Superintending Engineer, 3rd Division, Bellary, 11th May 1865, No. 8;
 to the Secretary to Government, Public Works Department.

I have the honor, with reference to the Order of Government, No. 226 of the
 24th January last, to submit a Plan* and
 Estimate for constructing a set of Rifle
 Ranges for this Station, and request that

Rupees 4,500.
** Forwarded by Banghy.*

sanction may be granted for their execution from the Reserve Fund.

2. In preparing the Plan, I have been guided by the Standard Plan forwarded
 with Government Order No. 149 of 16th January last, and the Plan attached to the
 report of the Committee assembled at
 Bellary, and which was forwarded to me
 with the Government Order.

3. The rate for earthwork is calculated on the supposition that the Sappers
 carry out the work.

Referred to the Military Department.
 (Signed) C. A. ORR, Colonel, R. E.,
 Secretary to Government, P. W. D.

16th May 1865.

ORDER, No. 1973, 29th May 1865.

Approved:

2. The Plan should have been countersigned by the Officer Commanding the
 Division.

(True Extract.)

Manmohan Singh
 Under Secretary to Government.

To the Public Works Department, with 4 enclosures. *100 copies*
 " Quarter Master General.
 " Adjutant General,
 " Controller of Military Accounts, } for information.

Exd. J. E. Cashart.