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MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No.	263 B	Press
B.P. No.		Mis. —
Dated	1 - 2 -	675
		195

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
1st February 1875.*

No. 3. Read the following letter from J. W. RUNDALL, Esq., District Engineer, Tinnevely, to Colonel G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Palamcottah, 29th December 1874, No. 149 :—

I HAVE the honor to forward herewith for sanction a supplemental estimate
2 Estimates. for the rifle range at Palamcottah, and a
1 Comparative Statement. revised estimate for that at Quilon.

2. With regard to the first,* I beg to state that in the original estimate a slope
of half to one was allowed for the stop
butt in accordance with the standard

* Amounting to Rupees 130.
plan, and the soil being somewhat gravelly on the surface I hoped this would be sufficient; but the soil was far less gravelly and stiff than I supposed, and the slopes of the butt which had just been completed slipped so much during the rains last month that I think it would be better to allow a slope of one to one throughout, at which I think the soil will stand.

3. When once put up at this slope, the butt will be kept in order by the Sepoys of the regiment, but at present it is too much washed down and gullied for them to put it right. I therefore trust the estimate may be sanctioned as supplemental to that for Rupees 640, already otherwise completed.

4. With regard to the Quilon rifle range, for which an estimate amounting to Rupees 1,335 has already been sanctioned, I beg to state that this work was originally commenced by the Regimental authorities prior to the receipt of the estimate by me, the estimate having been prepared by them.

5. As I found the estimate provided for all essentials required by the standard plan of rifle ranges, I forwarded it on, and as soon as it was reported finished I deputed Mr. Grant, Assistant Engineer, to inspect and measure up the work. That gentleman accordingly went to Quilon and reports that additional work has been done, owing to the original estimate having been prepared without due allowance being made for the inequalities of the ground on which the butt was to be built; also that platforms for firing from were not allowed in all cases where required, but that no gravel was allowed for the top of these platforms; also that gravel is required to prevent the sandy soil of which they are composed being trodden down by the feet of the men.

6. The additional work done has not been paid for pending sanction, which I request may, under the circumstances, be granted.

7. The additional sums required, viz., Rupees 130 and Rupees 195, will be entered in my statement of savings and demands.

No. 4. ORDER THEREON, 1st February 1875, No. 203B.

MILITARY WORKS, No. 1.

In G. O., No. 1,285, dated 12th May 1874, an estimate, amounting to Rupees 660, was sanctioned for constructing a rifle range and stop butts at Palamcottah, and in G. O., No. 1,964, dated 21st July 1874, sanction was accorded to a sum of Rupees 1,335 for a rifle range at Quilon.

Proceedings of the Madras Government, Public Works Department,
1st February 1875.

2. The District Engineer, Tinnevely, now submits a supplemental estimate of Rupees 130 for the former and a revised estimate of Rupees 1,530 for the latter work. The excess on the first estimate is due to the slope allowed for the stop butt having proved insufficient for soil of the nature of that met with during execution of the work; while, in the second case, the excess is caused by omissions in the original estimate prepared by the Regimental authorities and overlooked by the District Engineer.

3. The additional sums* required are passed for payment in anticipation of specific allotments later in the year. But the attention of the District Engineer is called to the Orders of the 28th October 1874, No. 3,083, in which more careful scrutiny of rifle range plans and estimates is insisted on in future.

(True Extract.)

Colonel, R.E.,

Secretary to Government.

To the District Engineer, Tinnevely.
.. Controller of Public Works Accounts.
.. Military Department.

Exd. S. T. Austin.

Spare Copies

No. 149 District Engineer's Office, Tinnevely
Palamcottah, 29th December 1874.
Front.
J. W. Randall Esquire.
District Engineer, Tinnevely.
Colonel G. W. Walker R.E.
Chief Engineer & Secretary to
Government S.D.W.

Enclosure. 3.

2 Estimates.
1. Comparative
Statement

✓ amounting
to Rs. 130.

I have the honor to forward herewith for sanction a supplemental estimate for the Rifle Range at Palamcottah and a Revised estimate for that at Quilon.

2. With regard to the first, I beg to state that in the original estimate a slope of $\frac{1}{2}$ to 1 was allowed for the stop butt in accordance with the standard plan, and the soil being somewhat gravelly on the surface I hoped this would be sufficient; but the soil was far less gravelly and stiff than I supposed, and the slopes of the butt which had just been completed, slipped so much during the rains last month, that I think it would be better to allow a slope of 1 to 1 throughout, at which I think the soil will stand.

3. When once put up at this slope, the Butt will be kept in order by the depots of the Regiment, but at present it is too much washed down and gullied for them to put it right. I therefore trust the estimate may be sanctioned as supplemental to that for

Ruppes. 611-0 already otherwise completed.

4. With regard to the Quilon Rifle Range, for which an estimate amounting to Ruppes 1335 has already been sanctioned, I beg to state that this work was originally commenced by the Regimental Authorities prior to the receipt of the estimate by me, the estimate having been prepared by them.

5. As I found the estimate provided for all essentials required by the standard plan of Rifle Ranges, I forwarded it on, and as soon as it was reported finished, I deputed

Mr. Grant Assistant Engineer to inspect

and measure up the work. That gentleman

accordingly went to Quilon and reports

that additional work has been done, owing

to the original estimate having been pre-

pared without due allowance being made

for the inequalities of the ground on which

the Butt was to be built, also that Platforms

for firing from, were not allowed in all

cases where required, but that no gravel

was allowed for the top of these platforms,

also that gravel is required to prevent the

sandy soil of which they are composed being

trodden down by the feet of the men.

6. The additional work done, has not

been paid for, pending sanction which

I request may under the circumstances

be granted. The additional sum required viz

Ruppes. 130 and Ruppes. 195 will be entered

in my Statement of Savings and demands.

I have the honor to be

Sir

Your most obed^t Serv^t

J. W. Sandalls

District Engineer

Detailed Estimate No. 3 of 1874-75.
Summerville District - Summerville - Saluk.
 Work - Constructing Rifle Range, Stop Butts &c at Palamcottah.

Particulars of work.

Measurements in
feet

No. Length Breadth Height Contents

Stop Butts

Earth work.

Butts	1	168	22	18	665.28
Buttresses	2	50	4	12	4.800
<u>Total</u>					<u>713.28</u>

Deduct work done as per Estimate.

Sanctioned in G.O. No. 1285, dated 12 May 1874

Butts	1	158	12	28	34.128
Buttresses	2	50	4	12	4.800
<u>Total</u>					<u>38.928</u>

Difference Earth work Cost.

Being equal to Cubic yards.

32.400
12.00

Abstract Estimate

Quantities	Description of work	Rate	Amount	Total
		R	A	P
1200	Cubic Yards of Earth	@	18	125
	Sundries		5	
<u>Total Estimate Rupees.</u>				<u>130</u>

District Engineer's Office Summerville
 Palamcottah, 29th December 1874

L. S. Randall
 District Engineer Summerville

Submits for sanction
 a supplemental estimate
 for the Rifle Range at
 Palamcottah &c Revised
 Estimate for that of
 similar work sanctioned
 G.O. No. 2575, 12/25.

Dated 29th December 1874.
 Received [Signature] 31/12/74

Enclosure. 3.

The District Engineer
 Summerville
 Deputed by to Govt.
 S. W. D.

For the District Engineer
 Summerville
 31/12/74

Estimate for constructing
 Rifle Range, Stop Butts
 at Quilon.
 13050.00

District Engineer
 Quilon
 1874-75

The District Engineer
 Quilon
 1874-75

Abstract Estimate No. of 1874-75.
 Constructing a Rifle Range, Markers' Ricochet
 and Stop Butts &c at Quilon.

Description of work.	Rate	Amount	Total.
Cyds of Earth works	at " 1 9 5 3 1 1		
cubic ft of Wrought timber	at " 11 " 19 4 1		
Sundries		30 6 9	84 1
<u>Markers' Butt with sand backing</u>			
<u>Right hand Butt (Temporary)</u>			
Cyds of Earth works	at " 1 3 13 2		
cft of Sawn Timber	at " 10 " 25		
Sundries		2 " "	40 2
<u>Left hand Butt.</u>			
Cyds of Earth works	at " 1 6 6 15		
cft of wrought Shambaroo timber	" 11 " 16 5 6		
11 sided Table 4x4		3 " "	
Sundries		15 " "	190 5
<u>Ricochet Butt Timber with sand backing</u>			
Cyds of Earth works	at " 1 6 2 13		
cft of wrought Shambaroo Timber	at " 11 " 43 12		
Sundries		8 " "	54 9
Another of the same dimensions			54 9
<u>Platforms.</u>			
Cyds of Earth works	at " 1 6 9 5		
Sundries		3 3 7	
" of Timber	at " 11 " 33 1 11	133 10 6	
Carried over			1314 3 6

	Leveling & filling up ground at 600 yds	Brought over	1314 3 6
163	Cyds of Earth work	16 15 4 6	15 4 6
	Leveling ground		30 "
18	Stone flags	at 1 12 "	31 8 "
	Superintendence at 10 per cent.		139 "
	<u>Total Estimate Rupees.</u>		<u>1530 0 0</u>

District Engineer's Office, Trivello
Palamcottah, 29th December 1944.

[illegible][illegible]

Enclosure n^o 2 in a letter
from the District Engineer
universally dated 29th Dec
=ember 1875. n^o 1119

To: The Chief Engineer &
Secretary to Govt. P.W.D.

PM/55
2

N^o 11 of 1875-75.

Estimate for constructing
Rifle Range, Markers
Ricochet & Stop Butts &c
at Quilon.

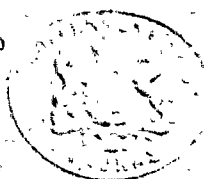
Rupers. 1530-0-0

Comparative Statement showing the difference between original and Revised Estimate for Constructing the Rifle Range with markers Piccochet and Stop Butts at Quilon

Description of work	Quantity of Procurement	Original Estimate		Revised Estimate		Revised Estimate In excess of Original		Less than Original		Remarks
		Quantity	Rate Amount	Quantity	Rate Amount	Quantity	Amount	Quantity	Amount	
Stop Butts										
Earth work	Cyds	6125	19	667 14 9	7235	19	791 53 11	110	121 6 6	
Wrought timber	Cft	22	14	19 4	22	14	19 4			
Sundries				30			30 6 9		6 9	
Marker's Butt and Backing										
Right Hand Butt (temporary)										
Earthwork	Cyds	168	13	13 2	168	13	13 2			
Sawn timber	Cft	40	10	25	40	10	25			
Sundries				2			2			
Left Hand Butt										
Earth work	Cyds	74	16	6 15	74	16	6 15			
Wrought Shambauu timber	Cft	189	14	165 6	189	14	165 6			
Fixed Table 4 x 4		4		3	4		3			
Sundries				15			15			
Picochet Butt timber with sand backing										
Earth work	Cyds	30	16	2 13	30	16	2 13			
Wrought Shambauu timber	Cft	50	14	43 12	50	14	43 12			
Sundries				8			8			
Another of the same dimensions				54 9			54 9			
Platforms										
Earthwork	Cyds	805	16	75 7 6	1038	16	97 5	233	21 13 6	
Sundries				4			3 3 7			12 5
of Plunker					27 ²³ / ₂₇	14	33 1 11	27 ²³ / ₂₇	33 1 11	
Leveling and filling up ground	Cyds	600			600					
Earth work	Cyds	163	16	15 4 6	163	16	15 4 6			
Leveling ground				30			30			
Stone flags		18	12	31 8	18	12	31 8			
Superintendence				120 3			139		18 15 9	
Total Papers				1335			1530		195 12 5	12 5

Annexed District Engineer's Office
Palanacottah. 29th December 1874

L. W. Randall
District Engineer
Annexed



From
The District Engineer
Jinnah

Read the following

(J.G. No 1492/29 Decr 1874)
2035

In G.O. No 1285 dated 12th May 1874 an estimate amounting to Rs 660 was sanctioned for constructing a Rifle Range and Shop Bn the at Calametta, and in G.O. No 1764 dated 21st July 1874 sanction was accorded to a sum of Rs 1335 for a Rifle Range at Quilow.

The District Engineer Jinnah now submits a Supplemental estimate of Rs 130 for the former and a Revised estimate of Rs 1530 for the latter work. The excess on the first estimate is due to the slope allowed for

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Inclosure No 3 in the letter from the District Engineer Jinnah dated 29th December 1874 No 1492/29 Decr 1874
The District Engineer Jinnah
+ Secretary to Govt
P.W.D.
Bombay
= meant skimming the dip
= fence between the Orgs
= and and Revised estimate
for constructing the Rifle
Range with the above details
and Shop Bn the at Quilow.

157

157

for the Stop Bath having
proved insufficient
for evil of the nature of
that met with during
execution of the work;
while in the second
case the excess is caused
by omissions in the
original estimate pre-
pared by the Regimental
authorities and ^{approved} passed
by the District Engineer.

The additional sums
required are passed for
payment in anticipation
of specific allotments
later in the year. But
the attention of the
District Engineer is
called to the orders of the
28th October 1874. No. 3083,
in which more careful
scrutiny of Rifle Range
plans and estimates
is insisted on in future.

G.W.

Attn. & Encl. sent to Genl. Secy.
27-10-75

12-1-75

Yr. Sincerely
C. H. J. J. J.
Mily Sept

Sept 23/2/75

Palamcottah No 130
Quilon 195

45
4

No 7

Govt. of Madras

PUBLIC WORKS.

To

The District
Minnelly

Dated

Recd.

Encl. 263/13

G. O. 1 Feb 1875, No. 254

Recd. 2-4.

Rifle Range & Slope Butts
at Palamcottah and
Rifle Range at Dindoor.

The additional sums
required for the works
passed for payment
in anticipation of specific
allotments later in the
year, & the attention of the
S. Dist. Minnelly called
to G.O. No. 3083 of 28th
Octr/74.