

(1) Number of pages _____

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(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 692 (W)	Press Mis.
Dated 28-2-	1877.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
28th February 1877. No. 692.*

No. 717. Read the following letter from Captain J. L. L. MORANT, R.E., District Engineer, Nilgiris, to the Joint Secretary to Government, Public Works Department, Roads and Buildings Branch, dated Ootacamund, 6th February 1877, No. 514 :—

With reference to Public Works G.O., No. 139, of the 16th January 1877, I have the honor to submit for sanction a revised estimate, amounting to Rupees 5,280, for replastering the end walls of the four blocks of the married quarters at Wellington, for roofing in the steps, and protecting their sides from drift rain, as the estimate sanctioned in the above Government Order for the same work is now found to be incorrect, in the one item of replastering, Rupees 18 having been erroneously entered for Rupees 180 in each block, thus making, with extra contingencies, a total difference of Rupees 672 for the four blocks.

2. With reference to paragraph 2 of the above Government Order, I have the honor to report that Rupees 3,000 can be expended during the current official year.

No. 718. ORDER THEREON, 28th February 1877, No. 692.

MILITARY WORKS, No. 13.

(a) *Heads of Service.*—Imperial.
Fund.—Ordinary.
Class.—Original Works.
Main-head.—Military.
Sub-head.—Military Buildings.
Section.—Accommodation for general purposes.
Name of Work.—Plastering four blocks of married quarters and roofing steps, &c., at Wellington.
Amount.—Rupees 5,280.
To be carried out by the Public Works Department.

THE revised estimate of Rupees 5,280 for replastering the end walls of the four blocks of the married quarters at Wellington, and for roofing in the steps and protecting their sides from drift rain, is sanctioned.

2. The District Engineer should subject his estimates to more careful scrutiny before submitting them to Government, his attention has been called by the Chief Engineer to the necessity of revising his data for timber wrought and put up.

3. This sanction is registered as Imperial No. 142—W. of 1876-77, and cancels Imperial 118—W of the current official year.

(True Extract.)

Colonel,
Acting Joint Secretary to Government.

To the District Engineer, Nilgiris.
" Examiner of Public Works Accounts.
" Military Department.

Exd. S. T. Austin.

Spare Copies

(a) Heads of Service— *Imperial*

Fund. *Ordinary*

Class. *Original Works*

Main-head. *Military*

Sub-head. *Military Buildings*

Section. *Accommodation for general purposes*

Name of Work. *Plastering four blocks of married
quarters & roofing steps &c at Wellington*

Amount. *Rs 5280*

To be carried out by the *P. W.* Department.

Print in the margin of L.P. No 692 of 28/2/77—

*and Feb 1877
at office*

District Engineer

Revised Abstract Estimate No. 1 of 1876-77

Nilgiri District

Work. Cost of replastering the step ends of the 4 masonry quarters blocks and of covering the top and of enclosing the sides of the steps with corrugated iron in a similar manner to that in which the ends of the staff block have been treated.

No.	Particulars	Rate	Per	Amount	Total
54	cft of brick in chimney for building in				
	2 1/2 ft bolts in parapets of steps	40	..	100 cft	21 97
1879	square feet of plastering with sorker	10	..	sq ft	187 144
1984	cft of painting walls 3 coats	7	8	..	148 129
1294	cft of painting corrugated iron roof	7	8	..	97 9
63	cft of teakwood wrought and put up	4	..	cft	252 ..
56	cft of breaking down walls remaining debris	10	..	100 cft	5 97
64	7 ft corrugated iron sheets	4	8	.. each	288 ..
52	6 ft corrugated iron sheets	4	..	..	208 ..
240	6 inch iron bolts	..	3	..	48 ..
24	2 1/2 ft iron bolts	..	8	..	12 ..
	<u>Total</u>				1265 15
	<u> sundries</u>				54 1 ..
	<u>Total</u>				1320 ..
	add for 3 more blocks				396 ..
	<u>Total Estimate Rupees</u>				5280 ..

Dr. C. S. P. P. P.
Nilgiris
Botanicaund Feb 1877
(Central Office)
16-2-77 E. C. S.

James H. S. S.
Captain R. C.
District Engineer

Revised Detailed Estimate No. 1876-77

Neitcheing District

work. Cost of replastering the step ends of the 4 mained quarter blocks and of covering the top and of enclosing the sides of the steps with corrugated iron in a similar manner to that in which the ends of the staff block have been treated.

(11)

No.	Measurements			Contents	Particulars
	L	B	D		
2	12-0		20-0	480-0	Ends of steps rectangular portion
2	33-0		11-9	775-61	Triangular portion
2	4-6		4-9	42-9	Pillars to sides
2	46-3		0-9	69-6	Coriell
2	9-0	8-0		144-0	Intrados of centre arches
2	6-0	8-0		96-0	Small
4	8-0		6-0	192-0	Sides of centre arches
4	8-0		3-3	104-0	Small
2	6-0		6-0	72-0	Back wall of centre arches to springing
2	62 x 7854			28-3	Hemicircular portion
2	4-0		3-3	26-0	Back wall of small arches to springing
2	42 x 7854			12-6	Hemicircular portion
2	32-6		1-3	81-3	Basement as far as Pillars
				2123-9	Total
				244-9	Reduct
				1879-0	Total sq. ft. of taking off old plaster and replastering with sonkee
				1879-0	Same as plastering
				105-0	add for large archway & hemicircular portion
				1984-0	Total sq. ft. of painting walls, 3 coats at end step

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2 51-9 8-0 82.8-0 Roof of Steps
 2 51-9 4-6 465-9 Sides of Steps
1293-9 Total sqft of painting corrugated iron roof

Inches
 2 57-9 4 3 8-7-6 Sleepers in parapet walls
 26 4-3 4 3 9-2-6 Uprights
 26 1-3 4 3 2-8-6 Caps on top of uprights
 2 57-9 4 3 8-7-6 Longitudinal Purlins on top of uprights
 22 8-0 4 3 14-8-0 Cross Purlins
 22 8-0 2-0 1-3 3-0-8 Battens on top
 4 51-9 2-0 1-3 3-7-1 Sides
 1 4-6 3-0 3-6 0-3-11 Top of iron frame
50-9-8 Total

12-2-4 Sundries wastage.

63-0-0 Total cft of teakwood wrought and put up

24 2-3 1-0 1-0 5-4-0 Place for 2 1/2 ft bolts in parapet steps
 7 0-9 0-9 0-6 1-11 Holes for cross purlins in main wall
55-11 Total cft of breaking down walls removing sills

64 7 ft Sheds for roofing, including laps - 32 sheds each side
 52 1 ft Sheds for sides

26 6" iron bolts to fasten uprights to sleepers, 13 each side

26 Caps and uprights

26 Longitudinal Purlins to caps

22 One end cross purlin to longitudinal Purlins

88 Iron Sheds to cross purlins

52 Iron Sheds on sides

240 Total number of 6" iron bolts

24 2 1/2 ft bolts with nuts & cross pieces

Painted with 3 coats Carmine paint; the corrugated iron also painted with 3 coats

Woodwork. The woodwork to consist of a line of sleepers all around the top of the parapet walls & to be fastened with nuts to the bolts let into the wall, in the sleepers 13 uprights (one top) are to be fastened with bolt from bottom of sleeper going through a nut inserted in uprights, on top of uprights, horizontal piece to go the whole way (same length as sleeper) resting on cap fastened on by bolts to uprights; the horizontal piece to be bolted on to the cap and the cross piece fastens with one end fixed in the main wall; the corrugated iron to be fastened on top by battens and bolts to the cross purlins and the iron sheet at side to be fastened to sleepers & horizontal pieces by battens & bolts; Purlins, sleepers and uprights to be 4" x 3", battens 2" x 1 1/4"

Remarks. A difficulty existed in fixing the covering on top of steps owing to large open space 8' x 10' & the only way the difficulty could be overcome is by building up the floor space, leaving a passage 4 1/2' x 7' which will be ample. In the staff block, the iron at side is carried up only to top step leaving landing exposed but as these steps are very narrow it does not matter much, but the landing is very large and exposed to both winds and if the sides were not covered, the object would not be attained, the portion in line with front of verandah is to be open

D. 28 Feb 77. D. B. 7/77

S. C. 2/77

N. G. 2/77

Obadiah 2/77

J. H. 2/77

Captain R. C. District Engineer

Revised Abstract Estimate No. 1876-77

Nilgiri District

Work Cost of replastering the step ends of the 4 mained quarters blocks and of covering the top and of enclosing the sides of the steps with corrugated iron in a similar manner to that in which the ends of the staff block have been treated

Qty	Particulars	Rate Per	Amount	Total
154	cft. of brick in chunam for building in 2 1/2 ft. bolts in parapet of steps	40	6160	21 97
1979	Square feet of plastering with sorker	10	19790	187 14 4
1284	Sqft. of painting walls, 3 coats	7 8	10035 2	148 129
1294	Sqft. of painting corrugated iron roof	7 8	10035 2	97 9
63	cft. of teakwood wrought and put up	4	252	252
56	cft. of breaking down walls & removing debris	10	560	5 97
64	7 ft. corrugated iron sheets	4 8	2688	288
52	6 ft. corrugated iron sheets	4	208	208
240	6 inch iron bolts	3	720	45
24	2 1/2 ft. iron bolts	8	192	12
	Total		126515	
	Sundries		541	
	Total		1320	
	add for 3 more blocks		3960	
	Total Estimate Rupees		5280	

Brick in chunam - The parapets of steps to be broken down in 12 places each side & 2 1/2 ft bolts with iron cross pieces inserted in apertures and then rebuilt

Replastering - The whole of the old plaster under arches (4) & sides of steps to be removed and the whole replastered with sorker

Painting - The whole of the walls replastered, when thoroughly dry, to be

District Engineer's Office,
Cotacamund, 6 Feb 1877.

No 514

From

The District Engineer
Nilgiris

To

The Secretary to Government,
Public Works Department,
Madras.

Sir,

With reference to P.W. G.O. No. 139 of the 16th January 1877, I have the honor to submit for sanction a revised Estimate amounting to Rs. 5280 for replastering the end walls of the four blocks of the married quarters at Wellington, for roofing in the steps and protecting their sides from drift rain, as the Estimate sanctioned in the above G.O. for the same work is now found to be incorrect, in the one item of replastering Rs. 18 having been erroneously entered for Rs. 180 in each block, thus making, with extra contingencies, a total difference of Rs. 672 for the 4 blocks.

2. With reference to para 2 of the above G.O. I have the honor to report that Rs. 3000 can be expended during the current official year.

I have the honor to be

16.1.72 No 139 + original.

Sir

P.W.D.

105377

1601

Your most obedient servant,

John Morant Captain R.E.

District Engineer.

Note

It is pointed out that by oversight the Estimate did not go usual pass through the Technical Dept. in the Chief Engineer's Office for scrutiny and thus the error remained undetected. His Grace's Journals in reference to the data for timber weight and sent up have not been lost sight of. Manufacturers of Corrugated galvanized Iron Roofing sheets

On 24.2.72

recommended their
 being painted: a plan
 which has been generally
 followed in the
 Nilgherries. Further
 nearly all the new
 roof sheets received in
 India are more or
 less weathered with
 salt water the salt
 effects of which paint
 tends to remove

1601
 New Year

W. H. H. Colmel
 Chief Engr
 Building Roads
 Branch

N. O. H. 26.2.77

No 192 Public Works Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 28 Feb 77
 Read the following:—

From
 The District Engineer
 Nilgherries

(H.O. No. 514 dtd 6th Feb 1877)

ML

The proposed Estimate
 of Rs. 5280 for replastering
 the side walls of the four
 blocks of the mounds
 30 acres at Wellington,
 for scraping in the
 slope and protecting
 their sides from drift
 rain, is sanctioned.
 The District Engineer
 should submit his
 Estimates to the
 careful scrutiny before
 submitting them to
 Government, his attention
 has been called by the

Chief Engineer to the
necessity of furnishing
his data for Engineer
wrought and sent up.

3. This sanction is
registered as Imperial
No. 142 of 1876-77
and cancels sub. 19-2-77
11877 of the current year.

Govt. of 1877 Madras.
PUBLIC WORKS.

To The D. C. Engineer

Dated

Issued

Recd.

Encl.

G. O. 28th Feb 1877, No. 192

Nos. 717-718

Drained Quarters at
Wellington, Kildare
The revised estimate of Rs 5280
for refectory the end
of the sea of the four blocks
of —, cancelled. The D. C.
instructed to subject his
estimates to more careful
scrutiny before submitting
them for sanction.

Sub. 19-2-77

20/11/77