

(1) Number of pages

(2) Date of repair

(3) Initials of the Referencer

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 247
509-510Press
Mis.

Dated 22-1-18 66.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
22nd January 1866.*

No. 509. Read the following Proceedings of the Madras Government in the
Military Department:—

Approving of the plans and estimates for altera-
tions and additions to the existing privies
at the Barracks at Wellington, Coimbatore } (Here enter 9th January 1866, No 99.)
District.

No. 510. ORDER THEREON, 22nd January 1866, No. 247.

MILITARY WORKS, No. 21.

Communicated to the Superintend-
ing Engineer of the 7th Division, who
will proceed with the works approved
in the foregoing Proceedings in anticipation of the sanction of the Government of
India, and report the amount that can be expended on them during the current
official year. He will also state what funds, in addition to the 20,000 Rupees
recently transferred, can be spared from the allotment for the Lawrence Asylum
Works.

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R. E.,

Secretary to Government.

To the Superintending Engineer of the 7th Division, with two letters.

- „ Controller of Public Works Accounts.
- „ Accountant General.
- „ Military Department.

New York

30/10/65
7.10.65

Estimate No 41 of 1865-66
Mileberry Range
Pozimbato District.

Military.

✓

Work. Making alterations and additions to the Plan of the
Married men's Quarters at Wellington to adapt them to the Dry Earth System

Particulars of work	Measurements			Content
	L	B	H	
Foundation to earth street and urinals	47 $\frac{5}{8}$	2 $\frac{1}{2}$	3	355 $\frac{5}{8}$
Basement to do	47 $\frac{5}{8}$	2	2	189 $\frac{5}{8}$
Foundation to Pillars in Surplus passages	10	2	3	60
do to intermediate wall	21	1 $\frac{3}{4}$	3	110 $\frac{3}{4}$
Basement to Pillars	7 $\frac{1}{2}$	1 $\frac{1}{2}$	2	23 $\frac{1}{2}$
do to intermediate wall	23 $\frac{1}{2}$	1 $\frac{1}{4}$	2	58 $\frac{33}{64}$
Walls above	11 $\frac{1}{2}$	1 $\frac{1}{2}$	5 $\frac{1}{2}$	96 $\frac{5}{8}$
	6 $\frac{1}{2}$	1 $\frac{1}{2}$	7 $\frac{1}{4}$	71 $\frac{1}{8}$
Pillars above	29 $\frac{3}{4}$	1 $\frac{1}{2}$	9 $\frac{1}{2}$	423 $\frac{15}{16}$
	5 $\frac{5}{8}$	1 $\frac{1}{8}$	4	47 $\frac{23}{32}$
Intermediate wall above	25 $\frac{1}{4}$	$\frac{3}{4}$	7	130 $\frac{5}{8}$
	3	$\frac{3}{4}$	7 $\frac{1}{2}$	16 $\frac{3}{4}$
Gable on the Sur wall	6 $\frac{1}{4}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	15 $\frac{3}{16}$
Subtotal for openings				1777-11
Cft Bricks in Mud.				163-11
Roofing with thatched rafters and rafters wall				1644-0
plates nails fly & pen tie. Churn & ridge & ridge				562 $\frac{1}{2}$
Plastering with 2 coats of Gypsum				1410
Flooring with gravel well rammed down				148 $\frac{1}{2}$
Partition to 1st storey sent	37 $\frac{1}{2}$	5		157 $\frac{1}{2}$
do to normal	6	5		30
Corrugated Iron Shingles				188
Iron Rivet Pins				6
Iron nails				2
wooden sent				6
wooden steps for children				2
Blackening up 1 window in the rear wall of the latrine & removing it to the front wall				6
Making openings in the rear wall of the latrine				2
Making openings for doors				3
Panel Doors	2 $\frac{3}{4}$	6		3
Glazed chimney windows	3	2		5

Abstract estimate No 43 of 1865. 66

52

Quantity	Description	Rate	Amount	Amount of Sub-fund
385 1/2	Left Brick m. mng	24 "	928 "	✓
94 1/2	Left roofing with rafters gables flat & pan tiles	75 "	704 "	✓
417 1/2	Left plastering with lagoon	8 "	334 "	✓
27	Left flooring with gravel	5 "	135 "	✓
1	Door removing & fixing	5 "	5 "	✓
6	openings	2 "	12 "	✓
4	Patent Doors	15 "	60 "	✓
1	do	18 "	18 "	✓
	Bricking down & partition of existing green wall to	10 "	10 "	✓
	frame Plate from under Pans	36 "	36 "	✓
12	Wooden latome Sents	6 "	72 "	✓
12	Iron Rivet Pans	4 "	48 "	✓
270	Left Corrugated Iron sheeting with nail	45 "	1215 "	✓
	Excavating foundation & sundries at 5 per cent			549 1/2 "
	Total of estimate.			305 "
				610 "

Executive Engineer of the Warrenton
 Wilkeson Bank
 Certificate 24th October 1865 } Executive Engineer
 Matthew W. G.
 Supd. Eng.

Exd. S. A.

Abstract Estimate No 40 of 1865-66

72

Quantity	Particulars of work	Rate	Amount	Amount each part
3559	6 ft. Brick in Mud	24 "	854 3	
1324 1/2	6 ft. Brick in Chunnam	40 "	529 13	
3931	6 ft. Plastering	8 "	314 8	
456	6 ft. Flooring with square Brick in Chunnam	6 "	27 6	
520	6 ft. Flooring with gravel	5 "	25 8	
1853 1/2	6 ft. Roofing with teakwood trapezoidal corrugations	75 "	1390 5	
2	1/2 paneled and glazed doors	40 "	80 "	
2	Butter doors	25 "	50 "	
7	Glazed windows	10 "	70 "	
1	Panels door	50 "	50 "	
470	6 ft. corrugated iron sheets with nails &c	45 "	211 8	
23 1/2	6 ft. Teakwood wrought and put up	4 "	93 "	
16	Iron Purlins	4 "	64 "	
2	Iron windows	8 "	16 "	
	Gravels Platform	60 "	60 "	
	Pulling down present premises	300 "	300 "	
	Excavating foundations & Sundries at Site			4136 3
	Total for one			203 13
	do 3 more			4340 "
	Total			13020 "
	Reduct value of old materials			17360 "
	Total of Estimate			500 "
				16860 "
				10/30 "

Executive Engineer's Office
 Pudukkottai District
 Pudukkottai 27 October 1865
 Specification
 Amount of Estimate 16860 Rs.
 Major
 Executive Engineer

The building is to be raised on a basement of 9" above foundations which are to be sunk 2 1/2 ft. The foundations and basement are to be of brick and mud plastered with chunnam. The principal walls to be of brick & mud plastered in and outside to be struck outside & lime washed inside. The roofing to be of teakwood and purlins tied with iron rods & covered with corrugated iron sheeting. The whole of the

I'm a letter from the
Ladies' Bazaar, and
the story to Grade 1-4th
of 1874-1875
L. D. H. C.
1874-1875

30/10/35
Military

Estimate No. 42 of 1865/66
Milgherry Range
Fouzbare District.

New York

Work. Making additions and alterations to the Hospital
Privies at Wellington to adapt them to the Dry Earth System.

Particulars	Measurement			Contents
	L	B	D	
Foundation and basement to Earth store	16½	2½	3	123¼
	16½	2	2½	82½
Foundation and Basement to Earth shed	8½	2	4	70¾
	11½	2	5	115
	11½	2	3	69
Foundation and basement to Sweepers room	13	2	6	156
	10	2	5½	110
	11½	1½	6½	112½
Earth store walls above	10	1	8½	127½
Cart shed wall above	31½	1½	13½	644½
Sweepers room walls above -	13	1½	9½	185½
gable over the end wall of the cart shed	10	1½	10½	157½
Blocking up 3 doorways.	8½	1½	1½	19½
	9	1½	6	81
				2054¾
				163½
Subtract for openings				1891
ft Brick masonry				
Roofing with teakwood rafters, sweepers wall	13	34		442
plates, purlins, Nails, Flat and Pan tiles				1
Work complete				
Roofing with 2 Coats of Spunnam to Earth shed				1526½
Cart shed and Sweepers room				100
Flooring with gravel well rammed down				
Removal of Dms which are to be blocked and flying them				3
into the latrines and Earth store				1
Baken Dorr	3	6		1
Do do	2½	6		1
Glazed swing window	3	2		1
Do do	2	1		1
Partitions 16 to Latrines, Seats	31	5		155
Do to Urinals	27	5		135
Corrugated Iron sheeting with nails	6	5		30
Iron Rivets				320
Urinals 2x1½x3				12
Seats complete				2
				12

Quantity	Description of Charges	Rate	Amount	Amount of each part
1891	Cft. Brick w. Mud	24	453 13	
442	Sft roofing with teakwood rafters flat & painted	75	331 8	
1	Truss Complete	10	10	
1526 1/2	Sft Plastering with 2 coats of slumom	8	122 1	
100	Sft Flooring with gravel	5	5	
3	Dons removing blocking & spiling	2	6	
1	Batten Door	20	20	
1	Do	18	18	
1	Glazed window	10	10	
1	Do	6	6	
6	Opening	1	6	
320	Sft corrugated iron sheeting with nails	45	144	
12	Iron Rivet Bars	4	48	
2	Iron Annals	8	16	
12	Wooden Seats	6	72	
				1268 6
				63 10
				1332
	Excavating foundation & Shoring at 50 Cent			
	Total of Estimate			

Executive Engineer *W. H. S. S. S. S.*
Wilfrid S. S. S.
Atacamama 24 October 1865 *Executive Engineer*
Exd. S. S. *W. H. S. S. S.*
Superintendent

Mr. A. G. 5211/1865.
 P. W. Dept.
 Wellington, 4th Dec 1865.
 From the Secretary to Govt., P. W. Dept. | Here enter 11th December 1865.
 From the Quarter Master General. 21st .. No. 12,163.
 From the Superintending Engineer, 7th Division, Cannanore, 4th December 1865,
 No. 196; to the Secretary to Government, Department Public Works.
 I have the honor to submit four plans and estimates* for alterations and
 additions to the existing privies at Wel-
 lington, as explained in the accompanying
 letter from Major Farewell; in company
 with whom I inspected the buildings, and
 agreed on what was to be done.
 Enclosures 10.
 *No. 54, Rupees 16,180
 " 55 " 10,000
 " 56 " 1,332
 " 57 " 610
 2. The Sanitary Commission have suggested several alterations, but as they
 are not of a nature to increase the amount of the estimates on the whole, or to
 involve material changes of plan, I think it better to send up their Report, with the
 understanding that it shall be faithfully acted up to, in the execution of the work.
 It would waste time and give much trouble to alter plans and estimates now, but
 if a general sanction be immediately given, and funds (reported available) trans-
 ferred from the allotment of the Lawrence Asylum, the whole of the work will be
 carried out within the current official year, which it is a great object to effect.
 3. The return of the plans is requested.
 From the Executive Engineer Neilgherries, Ootacamund, 27th October 1865, No. 165; to the
 Superintending Engineer, 7th Division, Coimbatore.
 In compliance with your orders, dated 19th July 1865, on G. O. No. 1130, dated 27th April
 1865, I have the honor to submit the undermentioned plans, with the view of adapting the privies at
 Wellington to the system of the dry earth sewage, and to offer the following remarks on the subject.
 Rupees 16,180. 1 Plan and estimate for four new privies with passages for the four blocks
 of barracks in occupation at Wellington.
 Rupees 10,000. 1 Plan and estimate for alterations required to the eight privies for males
 and females, attached to the married men's quarters of the Wellington Barracks.
 Rupees 1,332. 1 Plan and estimate for the alterations required to the privies attached to
 the Hospital of the Wellington Barracks.
 Rupees 610. 1 Plan and estimate for the alterations required to the Staff quarters
 privy at Wellington.
 2. It being impossible to connect the two small privies now erected behind No. 5 and
 Nos. 2 and 4 blocks of barracks to these buildings, except by blocking up the roadway to the
 barracks with a long and expensive passages, in consequence of the distance of these privies from
 the main buildings, these privies being also so constructed as to render it next to impossible to
 adapt them, with any degree of comfort or uniformity, to the dry earth system of sewage, and
 the Sanitary Commission in paragraph 155 of their report on the Wellington Barracks, prepared
 by Order of Government No. 826, dated 19th July 1864, having condemned and recommended the
 removal of these, and that new privies be built connected by covered passages behind each block of
 barracks, I have estimated for entirely new buildings accordingly, deducting the value of the
 materials of the existing privies from the estimates.
 3. To the other privies, alterations have been made as directed, and earth stores, cart-sheds,
 urinals and iron screened seats provided for in all the privies, as urinals are said not to be required
 for females—vide Sanitary Commission's report on the subject—the space occupied by urinals in the
 privies for males in the married men's quarters, is in the privies for females to be used as an earth
 store, and the earth stores provided in the privies for males is in the privies for females to be used as
 cart-sheds, one cart being thus provided to each two privies or each block of married men's
 quarters, the privies for which are situated opposite to and within a short distance of each other.
 4. No carts are provided for in the estimates, as I am not aware of the description of cart
 the Sanitary Commission require for the removal of poudrette.

a letter from the
 Deputy Engineer, 7th Division,
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 dated 19th July 1865.
 P. W. Dept.
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MILITARY DEPARTMENT.
 PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following papers :—
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 4. No carts are provided for in the estimates, as I am not aware of the description of cart
 the Sanitary Commission require for the removal of poudrette.

5. In consequence of no sanction having yet been received for the construction of the buildings proposed for the Lawrence Asylum, I would recommend the transfer of the amount required for the construction and alteration of the Wellington Barrack privies being made from the budget sanction of the current year's item, No. 18, Rupees 1,48,542.

From the Officiating Secretary Sanitary Commission, Madras, 27th November 1865, No. 560 ;
to the Superintending Engineer, 7th Division, Coimbatore.

With reference to your letter No. 167, with enclosures as per margin, I have the honor to

Enclosures 9.

Plans 4.

Estimates 4, and one letter from the Executive Engineer Neilgherry range, to the Superintending Engineer, 7th Division, No. 165, dated 27th October 1865.

convey to you the views of this Commission upon the plans submitted, which are herewith returned.

1st.—With regard to the plan marked A, this Commission object to the arrangement of two earth stores in this privy, and suggest that the small earth store should be left as an open

passage. That the earth store at the other end should be increased in size by enclosing a portion of the front verandah. That the entrance for the cart should be at the back, and the present entrance should be closed.

2nd.—The plan marked B meets with the approval of this Commission.

3rd.—With regard to the plan marked C, this Commission do not quite approve of the position of the earth store which appears inconveniently situated, with regard to the cart-shed and latrine. It suggests that part of the proposed earth store-room should be given up as a sweeper's room, the other half to be left as a spare room. That the room proposed for a cart-shed, should be used as an earth store, and the sweeper's room be increased in dimensions so as to adapt it for a cart-shed. The steps into the cart-shed should, if possible, be thrown back into the sweeper's passage, so as not to interfere with the breadth of the room. There is no necessity for a separate earth store for the Apothecary's privy. Ridge ventilation should be provided.

4th.—With regard to the plan marked D, this Commission would dispense with the second earth store in the latrine on the left, and would make this correspond as to its entrances with that on the right.

The earth store in rear might be enlarged so as to include the sweeper's passage to the double latrine, by lengthening the rear wall so as to give more room for the cart-shed.

5th.—All these suggestions have been marked with pencil on the plans, to facilitate their being more clearly understood and carried out.

Referred to the Military Department.

11th December 1865.

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

Referred to the Commander-in-Chief, (Quarter Master General's Department)
with advertence to Proceedings of Government, No. 3977, dated 25th October 1865.
14th December 1865.

From the Quarter Master General, Fort Saint George, 21st December 1865,
No. 12,165; to the Secretary to Government, Military Department.

I have the honor to return, with the approval of His Excellency the Commander-in-Chief, the plans and estimates received with Order of Government, dated 14th instant, for alterations and

Enclosures 10.

additions to the existing privies at Wellington.

ORDER, No. 99, 9th January 1866.

Approved for execution.

(True Extract.)

Macmillan
Deputy Secretary to Government.

To the Public Works Department, with 10 enclosures. 20 spare copies.
,, Quarter Master General.

Exd. J. E. Cashart.

8 Nov 65-2 3332

Feb 1866
No. of Engrs for January
1866

22 Aug 66

10.99

to the surface

Appraising of
the Means & Activities for

them during the current official year

Start & Stop

2281

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of the
of the

doordien

1862

Dec 28. January

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1871

Empire of the Nations, who will prove
into the world approved in the foregoing

them during the current official year.

We will also state what funds, in addition

can be spared from the cotton and for the

Start & Stop

2281

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1862

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