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MADRAS RECORD OFFICE

Government of Madras

Public Works

DEPARTMENT

G.O. No. 2220-21	Press
-B.P.-No.	Mis.
Dated 22-8-1956	CRJ6

Not to be folded or roughly handled

Read the following papers —

No. 520. Endorsement of the Secretary to Government, Military Department, dated Ootacamund, 1st May 1876, No. 2,162.

From Brigadier-General A. HOWLETT, c b, Quartermaster-General, to Colonel J MICHAEL, c s i, Secretary to Government, Military Department, dated Fort St George, 19th April 1876, No. 2,812.

I HAVE the honor, by desire of His Excellency the Commander-in-Chief, to forward for transmission to, and examination in, the Public Works Department, the plans and estimate for the proposed new barracks, Apothecary's and Family quarters for Poonamallee.

2 In regard to the barracks, His Excellency considers it would be well if the external design of the building corresponded with that decided on for the new hospital, as far as circumstances admit.

3 The plan of the family quarters is in accord with Bangalore quarters and which were approved of by the late Commander-in-Chief.

4 The dry-earth system of latrines at Bangalore has been found to answer exceedingly well, and in designing those for these new barracks, His Excellency recommends for inquiry whether, on economical grounds, it might not be advantageous to adopt the same system.

5 The plans and estimates for alterations to the existing buildings also accompany with a covering letter* from the Officer Commanding Centre District detailing the works to be undertaken in connection with the general scheme for improving the Poonamallee sanitarium.

TRANSFERRED with the plans and estimates to the Public Works Department with advertence to Proceedings of Government, No. 2,079, dated 26th April 1876.

(By order,)

(Signed) J MICHAEL, Colonel,
Secretary to Government

No. 520-A.

MEMORANDUM

THE plans and estimates for the alterations and additions to the barracks at Poonamallee have been examined and compared where such exist with standard plans.

2 The plans and estimates have been approved of in the Military Department, and are in accordance with G O. issued on the subject of these additions.

3 The following list gives the works contemplated.—

	<i>New Works</i>	RS
Barrack for 200 men		1,40,000
2 Cook-rooms ..		6,370
1 Lavatory . .		16,700
2 Dry-earth latrines .		5,000
Apothecary's quarters with out offices		7,150
Family quarters, classes 1, 2 and 3, for 9, 18 and 3 families		80,150
Total .		2,55,370

Proceedings of the Madras Government, Public Works Department,
22nd August 1876 No 2,220

Alterations and Additions	Rs
Depot Hospital showing proposed additions, &c	5,755
European Barracks showing proposed additions, &c	9,165
Canteen showing proposed ridge ventilator roof, &c	530
French Barracks showing proposed ridge ventilator roof, &c, and alterations to latrine	1,770
Front and rear verandah to Garrison Sergeant Major's quarters	470
	<u>17,320</u>
Deduct for old materials	4,320
	<u>13,000</u>
Total	2,68,370

New Barracks

4 The design for the new block of barrack differs slightly from the standard design published in Circular No 89 of 1864 and No. 22 of 1865.

5 The barrack is designed for 200 unmarried Soldiers, and 4 quarters for Sergeants in a double-storied building with verandahs.

6 The latrines and lavatories are not attached to the building; the measurements of the rooms are given below. The superficial area and cubical space per man in some rooms are slightly in excess of that laid down by the Government of India.

<i>Lower Story</i>		Superf. ft.	Cub. ft.
2 Rooms	45' x 24' x 20' =	2,160	43,200
2 Do	151' x 24' x 20' =	7,218	144,360
2 Sergeants' quarters	16' x 18' x 20' =	576	11,520
2 Bath-rooms and stair-case	10' x 18' x 20' =	360	7,200
<i>Upper Story</i>		Superf. ft.	Cub. ft.
2 Rooms	45' x 25' x 20' =	2,275	45,500
2 Do	152' x 25' x 20' =	7,600	152,000
2 Sergeants' quarters	17' x 18' x 15' =	629	9,435
2 Bath-rooms and stair-case	10' x 11' x 15' =	418	6,270

7. The basement of the building is 3 feet above ground level, and the rooms are 20 feet in height.

8 The upper story is ventilated by a ridge ventilator, the lower is to be supplied with air shafts, &c, recommended by the Sanitary Commissioners for the improvement of barracks in India, &c, &c, &c.

9. The upper story is reached by double stairs in a central hall, and a set of stairs at each end of the building and private stair-cases are supplied to the Sergeants' quarters.

Cook-rooms.

10 The design for constructing two cook-rooms with Duff's cooking ranges to the new barrack, differs slightly from the standard design issued by the Government of India with Circular No 86 of 7th October 1868.

<i>Each building consists of—</i>		Superf. ft.	Cub. ft.
1 Kitchen	24' x 16' =	384	
1 Superintending Soldier's room	16' x 16' =	256	
1 Cook-room	10' x 10' =	100	
1 Scullery	10' x 10' =	100	
1 Verandah	10' x 18' =	180	

Proceedings of the Madras Government, Public Works Department,
22nd August 1876. No 2,220

affording 1,025 square feet, while the standard gives only 740 square feet; the increase is due to the addition of a scullery and verandah.

Lavatory

11. The design for constructing a lavatory to the new barrack is not in accordance with the standard design issued by the Government of India with Circular No 16 of 27th February 1866, communicated with Public Works G O, No 2,982, of 17th September 1866.

12 The lavatory, 94 feet x 33 feet, is to be erected 125 feet directly behind the centre of the barrack. It contains a cistern at each end 24 feet x 15 feet, the bed being raised 4 feet above the ground, so as to allow of a supply of water being passed to 32 bathing tubs, and a double row of 54 basons, on a masonry stand, running along the centre, 82 feet long 4 feet wide and 2½ feet in height.

13 The supply of water to tubs and basons to be carried by iron pipes, laid in the wall 6 inches above the tubs, and the latter on iron standards with taps to each tub and bason.

14 The water is to be supplied to the cisterns from a well which will be excavated about 55 feet from the barrack, a force pump will be employed to raise the water.

Dry-earth Latrines.

15. The design for constructing two dry-earth latrines are prepared in accordance with the design circulated with G O, No 318, of 1st February 1872.

16. Each latrine has been designed to afford accommodation for 12 men at one time.

17. The building contains—

1 Sweeper's passage 42 feet x 5 feet

1 Set of latrine containing 12 compartments 3 feet x 5 feet each

18. Each compartment is provided with a Roger's dry-earth apparatus, 4 earth bins, 9 feet, 11½ inches x 4 feet x 3 feet, 1 cart shed 13 feet x 10 feet.

Apothecary's Quarters and Out-offices.

19 The design for constructing quarters for the Apothecary attached to the hospital is prepared in accordance with the latest standard design communicated with G O, No 1,930, of 28th June 1867.

20 The building consists of—

1 Room	24' x 16' =	384 square feet
1 Do	16' x 16' =	256 do
1 Do	16' x 10' =	160 do
1 Do	10' x 10' =	200 do
2 Do	43' x 10' =	430 do.
1 Verandah	25' x 10' =	250 do
1 Do	16' x 10' =	160 do
1 Do		
Total	1,840	do

21 The out-offices consist of—

1 Cook-room	10' x 14' =	140 square feet,
2 Godowns	10' x 10' =	200 do
1 Stable	10' x 14' =	140 do
1 Latrine	8' x 10' =	80 do.
Total	560	do.

*Proceedings of the Madras Government, Public Works Department,
22nd August 1876. No. 2,220.*

22. The plan for out offices is prepared in accordance with the standard design approved of by His Excellency the Commander-in-Chief and by Government in 1858.

Class I.

Nine Family Quarters.

23. The design for constructing quarters for 9 families is not in accordance with the specimen plan issued by the Government of India with Circular No 89 of 1864.

24. The design is planned to accommodate 9 families, and is to be constructed in one block of single story, containing for each family—

1 Room 16 x 14 = 224 square feet.

1 Bath-room 10 x 8 = 80 do

with a cook-room 6 x 8 and latrine 6 x 6 in a yard behind.

25. The building provides verandah in front and rear 10 feet wide

Class II.

Eighteen Family Quarters.

26. The design for constructing quarters for 18 families is prepared in accordance with the specimen plan issued by the Government of India with Circular No 89 of 1864.

27. The design is planned to accommodate 18 families, and is to be constructed in one block of single story, containing for each family—

1 Room 16 x 14 = 224 square feet.

1 Do 14 x 10 = 140 do

1 Bath-room 10 x 8 = 80 do.

with a cook-room 6 x 8 and latrine 6 x 6 in a yard behind

28. The building provides verandah in front 10 feet wide

Class III.

Three Family Quarters.

29. The design for constructing quarters for three families is prepared in accordance with the specimen plan (so far as the arrangements are concerned) issued by the Government of India with Circular No 89 of 1864.

30. The design is planned to accommodate 3 families, and is to be constructed in one block of single story, containing for each family—

1 Room 16 x 18 = 288 square feet

1 Do 10 x 16 = 160 do

1 Bath-room 10 x 10 = 100 do

with a cook-room 6 x 8 and latrine 6 x 6 in a yard behind

31. The building provides verandah in front 10 feet wide

32. The plans and estimates for the proposed alterations and additions to the depot hospital, barracks, &c., &c., &c., at Peonamallee—

Depot Hospital

No 1 Raising walls of No 2 wards adding ridge ventilator, and removing Nos 1 and 3 wards	Rs. 1,115
" 2. Removing part of western range	250
" 3 Adding ridge ventilator to northern range	3,300
" 4 Removing out-houses	130
" 5 Do temporary hospital	500
" 6 Do ball alley	200
Total	5,355

*Proceedings of the Madras Government, Public Works Department,
22nd August 1876. No 2,220.*

<i>European Barracks.</i>		Rs
A-8 Removing east and west ranges	...	385
B-9 Alterations of north-east range to form 7 quarters for married Serjeants	...	2,150
D-10 Alterations of south-west range	...	1,700
E-11. Do to do east do	...	2,500
C-12 Do to north-west do	...	1,150
F-13 Removing women's wash-house attached to the barracks	...	23
G-14 Do cook-room of south-east corner of the barrack	...	70
H-15 Converting present guard-room into 2 solitary cells attached to the barracks	...	100
J-16. Constructing 2 solitary cells attached to the barracks	...	757
K-17 Do partition walls to the western latrine on south side of the barracks	...	30
L-18 Converting store-room, &c., into kitchen to Serjeants' Mess and Serjeant Major's quarters	...	330
		9,195

Canteen

19 Constructing ridge ventilator to the roof and providing iron-barred ventilators to bottom of windows of bar-room in the Canteen	530
--	-----

French Barracks.

20 Constructing ridge ventilator to the roof, &c	850
21 Removing and reconstructing latrine	920

Garrison Serjeant Major's Quarters

22 Constructing front and rear verandahs	470
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(Signed) W FAREWELL, Colonel,
Offg Deputy Chief Engineer, P.W.D.

FORT ST GEORGE,
12th July 1876

No 521.

ORDER THEREON, 22nd August 1876, No 2,220.

MILITARY WORKS, No 18.

* Rupees 27,050
† " 2,200

ORDERED that the plans and estimates be forwarded for the sanction of the Government of India. Provision has been made for filling in the Fort ditch* and ground near the cemetery† This cannot be regarded as an essential part

of the project. The necessity for the work must also be established on sanitary grounds before the cost can be admitted. No details are given of the depths to be filled in, and it is not stated whether the object in view can be accomplished by draining the hollows in question. A deduction of Rupees 29,250 will be made on this account.

(Here enter No. 2,221, dated 22nd August 1876)
(True Extract.)

Colonel,

Offg. Under Secy. to Govt, P.W.D.

To the Superintending Engineer, Chingleput
" Military Department
Exd. E C Shunker
Spare Copies

PUBLIC WORKS DEPARTMENT,
FORT ST. GEORGE, 22nd August 1876

No. 522

No 2,221

FROM

MAJOR-GENERAL G. W. WALKER, R.E.,
*Secretary to the Government of India,
Public Works Department,*

TO

THE SECRETARY TO THE GOVERNMENT OF INDIA,
Public Works Department

MILITARY WORKS, No 19

SIR,—I am directed to forward
herewith plans and estimates aggregating
Rupees 2,68,370 for additions and altera-

tions to the barracks for European Troops at Poonamallee.

2 The necessity for this work has been fully discussed in former correspondence, and finally recognized by the Government of India as communicated in docket from the Military Department, No. 1,372 of 1876. And the accompanying memorandum by the Officiating Deputy Chief Engineer in the Public Works Department gives a detailed description of the accommodation proposed to be provided

3 The plans which accompany this letter meet the requirements of the scheme. They have generally received the approval of Sir Frederick Haines, His Excellency the Commander-in-Chief of India, when at Madras, and of His Excellency now commanding the Madras Army. The estimates for the works are, in the opinion of His Grace in Council, moderate. I am accordingly directed to request that the sanction of the Government of India may be extended to them

I have the honor to be,

Sir,

Your most obedient servant,

Colonel,

*Offg Under Secy to Govt, P W D,
for Secretary to Government*

Exd E C Shunker
Spare Copies

Act. of 1870, No. 11
PUBLIC WORKS.

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No. 11504. Superintending Engineer
Mount 26 July 1876.
Despatch 27 — " —

From
The Superintending Engineer
Chief Deputy

To the Dy. Chief Engineer
Department Public Works.

Sir;

In reply to your No. 572 of 12th instant
I have the honor to observe that the
schedule rates have been decided
from the average of a number of
buildings of different dimensions.
The small ones tending to keep
down prices.

2. The new buildings at Ponamallee
are lofty; moreover there is a tendency
of rates to rise; the estimate for
the Royal Artillery Barracks at the
Mount has been exceeded; I thought
it better therefore to allow a small
addition to the rates.

3. The price of any earth work
near Ponamallee is specially dear;
we can do very little in the Canton-
ment which is but slightly raised
above the neighbouring paddy fields.

4. I do not know where you
have obtained the prices of No. 12

13-14. Those of doors are a little less than their actual cost in Royal Artillery Barracks.

5. The rates for granite flooring vary according to the distance of the new work from the place where the material now is.

6. The scantlings of timber of the roof have been entered in the detailed estimate. It has not been customary to repeat this information in the specification.

7. The estimates for nos 2-4-5-6-7 and 13 are for removing old buildings. I do not understand what specification could be submitted.

8. Asphalt $\frac{3}{4}$ inch thick is considered generally sufficient, but in the South Coast wing of the European Barracks it has been already laid in places $\frac{1}{2}$ inch thick and the estimate provides for filling in the spaces to an uniform thickness.

9. The ventilation of lower story as provided in plan was only through sunning shutters in the semicircular over doors. but there would be no difficulty in carrying out the method proposed of the

lower

lower story of the hospital as shown in plate II of "suggestions for the improvement of Indian Stations."

10. A site plan of the buildings discussed with the Military authorities and approved was sent to you with my No 145 dated 20th April 1876.

11. Nature of soil in foundation was stated on the plan as has been customary in the Department. Borings taken in different places showed a similarity to the ground as exposed by the Fort Ditch, ponds &c.

I have the honor to be
Sir

Your most obedient servant

J. H. M. Colwell
Super Engineer Chief Dept

6813-6-76-18157.
 14-6-75 - 1002
 27-5-75 - 2027 July 24
 12-11-75 - 5259 - do -
 26-2-76 - 5258
 24-4-76 - 10779 - do - ^{hanging}
 5-6-76 - 14010/1402 ^{ch 1173}
 memo by O. C. Sept. 1876

8. 8. 1876 ^{to present}
 8-8-76

The Plans and Estimates for the alterations and additions to the Barracks at Poonamallee have been examined and compared where such exist with standard plans.
 The Estimates are correct, but certain items of estimate have been changed for at higher rates than those of the District Schedules. The Superintendant has vide copy of memo enclosed been called upon to show cause for the increase.
 The Plans and Estimates have been approved of in the Military Department and are in accordance with the Board on the subject of these additions.
 The following list gives the works contemplated:

The Plans and Estimates for the alterations and additions to the Barracks at Poonamallee have been examined and compared where such exist with standard plans.
 The Estimates are correct, but certain items of estimate have been changed for at higher rates than those of the District Schedules. The Superintendant has vide copy of memo enclosed been called upon to show cause for the increase.

New Works.		No.
Barracks for 200 men	1,40,000	
2 Cookhouses	6,370	
1 Lavatory	16,400	
2 Dry earth-Latrines	5,000	
Apothecary's Quarters with dist. office	7,150	
Family Quarters. Classes 1, 2 and 3 for 9, 18 and 3 families	80,150	
	2,55,370	

6813-8-76 Pte 28-8-76
 Rep to 6-8-76

Alterations and Additions

Defect Hospital showing proposed	5355
additions 2200	
European Barracks showing proposed	
additions 2200	9175
Canal, showing proposed Ridge vent.	
trials of Def. 2200	530
French Barracks showing proposed	
Ridge ventilator Prop. 2200 and other	
trials of Def. 2200	1770
Paint and paper for outside to quarters	
Sergeant Major's Quarters	440
Painting the 2200 to quarters	17320
educt for old materials	4320
	13000
Salal Ro. 2200	268370

New Barracks

5. The design for the new block of Barracks differs slightly from the standard design published in Circular No. 29 of 1864 and No. 23 of 1865.

6. The Barracks is designed for 2000 men married Soldiers and is constructed in a double storied building with verandahs.

7. The Latrines and Lavatories are not attached to the building. The water supply of the house is a very pure source. The

Superficial area and Cubical space per man in some rooms are slightly in excess of that laid down by the Government of India.

Lower Story

	Depth	Cub. ft
2 Rooms - $45' \times 24' \times 20' = 2160$		43200
2 do - $151' \times 24' \times 20' = 7248$		144960
2 Sergeants Ro. - $16' \times 18' \times 20' = 576$		11520
2 Bath rooms		
4 Hair cases - $10' \times 18' \times 20' = 360$		7200

Upper Story

2 Rooms - $45' \times 25' \times 20' = 2250$	45000
2 do - $152' \times 25' \times 20' = 7600$	152000
2 Sergeants Ro. - $19' \times 18' \times 15' = 629$	9435
2 Bath rooms	
and Hair cases - $19' \times 11' \times 10' = 209$	6270

8. The basement of the building is 3 feet above ground level, and the rooms are 20 ft in height.

9. The Upper Story is ventilated by a ridge ventilator the lower is ventilated by the Sanitary Chimneys for the improvement of Barracks in India.

10. The Upper Story is reached by double stairs in a Central hall and a set of stairs at each end of the building and private stair cases are supplied to the Sergeants Quarters.

Cook rooms.

11. The design for constructing Cook rooms with Duplex Cooking Range in the new Barracks differs slightly from the standard design issued by the Government of India with circular No. 86 of 7 October 1868.

Each building consists of

1. Kitchen	24' x 16' = 384
4. Sub-including Cold storage	16' x 16' = 256
2. Cook room	10' x 10' = 100
1. Scullery	10' x 10' = 100
1. Verandah	10' x 18' = 180

affording 1020 square feet with the standard given only 920 square feet. The increase is due to the addition of a Scullery and Verandah.

Lavatory

12. The design for constructing a Lavatory

Lavatory in the new Barracks is not in accordance with the standard design issued by the Govt of India with circular No. 16 of 27 February 1866, communicated with G.O. No. 2982 of 17 September 1866.

13. The Lavatory 9'4" x 33' ft is the erected 13'5" ft directly behind the centre of the Barracks. It contains a cistern at each end 2'4" x 1'5", the bed being raised 4 ft above the ground so as to allow of a supply of water being passed to 32 bathing tubs, and a double row of 64 basins, and a masonry stand running along the centre 32 ft long 4 ft wide and 3 1/2 ft in height.

14. The supply of water to tubs and basins is carried by iron pipes, laid in the wall 6" above the tubs and the latter are iron standards with taps each tub and basin.

15. The water is brought to the kitchen from a well. This well is situated about 50 ft. from the building, & is from 10 ft. to 12 ft. deep. It is covered with a wooden frame.

Dispensary Building

16. The design for constructing the dispensary is prepared in accordance with the design, similar to that of the 318 of the 1st Army, 1900.

17. Each patient has been designed to afford accommodation for 12 patients in each division.

18. The building consists of a central passage 4 ft. x 8 ft. 6 in. at each end of the building containing 12 compartments 8 ft. x 8 ft. each.

19. Each compartment is provided with a Rega's drug apparatus, & each has a 4 ft. x 4 ft. x 5 ft. 1 Case shed 7 ft. x 10 ft.

Apothecary

Apothecary Quarters and Out Offices

20. The design for constructing quarters for the Apothecary attached to the Hospital is prepared in accordance with the latest standard design, communicated with J. No. 1930 of 38-June 1898.

21. The building consists of:
 1 Room - 34' x 16' = 544 Square ft.
 1 do - 16' x 16' = 256 do
 1 do - 16' x 10' = 160 do
 2 do - 10' x 10' = 200 do
 1 Verandah 43' x 10' = 430 do
 1 do - 25' x 10' = 250 do
 1 do - 16' x 10' = 160 do
 1 do - 16' x 10' = 160 do
1840 Square ft.

22. The Out Offices consist of:
 1 Cook Room - 10' x 12' = 120 Square ft.
 2 Kitchens - 10' x 10' = 200 do
 1 Stable - 10' x 10' = 100 do
 1 Latrine - 8' x 10' = 80 do
500 Square ft.

23. The design for the quarters prepared in accordance with the standard design approved of by the Executive Committee in 1858.

Class I

3 Family Quarters

24. The design for constructing quarters for 3 families is in accordance with the specimen plan issued by the Govt of India with Circular No. 89 of 1864.

25. The design is planned to accommodate 3 families and is situated in one block of single story containing for each family:

- 1 Room $16' \times 14' = 224$ square ft.
- 1 Bath room $10' \times 8' = 80$ do
- with a latrine $6' \times 8'$ and latrine $6' \times 6'$ in a yard behind.

26. The building provides verandah in front and rear 10 ft wide.

Class II

12 Family Quarters

27. The design for constructing quarters for 12 families is prepared in accordance with the specimen plan issued by the Govt of India with Circular No. 89 of 1864.

28. The design is planned to accommodate 12 families and is situated in one block of single story containing for each family:

- 1 Room $16' \times 14' = 224$ square ft.
- 1 do $16' \times 10' = 160$ do
- 1 Bath room $10' \times 8' = 80$ do

with a latrine $6' \times 8'$ and latrine $6' \times 6'$ in a yard behind.

29. The building provides verandah in front 10 ft wide.

Class III

3 Family Quarters

30. The design for constructing quarters for 3 families is prepared in accordance with

Depot

General Barracks.

A. 1. Removing East and West Range — 380
B. 2. Removing East and West Range — 380
C. 3. Removing East and West Range — 380
D. 4. Removing East and West Range — 380
E. 5. Removing East and West Range — 380
F. 6. Removing East and West Range — 380
G. 7. Removing East and West Range — 380
H. 8. Removing East and West Range — 380
I. 9. Removing East and West Range — 380
J. 10. Removing East and West Range — 380
K. 11. Removing East and West Range — 380
L. 12. Removing East and West Range — 380

2200

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Rupers. 9/195

Caribbean.

19. Constructing Ridge Ventilator to the Roof
and removing transoms Ventilators to
bottom of windows on Barracks in
the Canton.

General Barracks.

20. Constructing Ridge Ventilator to the
Roof.

21. Removing and reconstructing Latrine.

Harrison's Barracks.

22. Constructing front wall and transoms.

Caribbean.

23. Laying the hall near the cemetery
with a brick built premises
lined of 1 1/2 miles from Panama.

Massachusetts Colony
H. J. Chief Clerk
S. P. B.

12 July 1876

Head Quarters Centre District
Madras 5th April 1876.

1.45.

Tham, Brigadier General J. P. B. B.
Commanding Centre District.

To, The Quarter Master General
Fort Saint George

Sir, In continuation of my letter No. 38 dated
18th March 1876, I have the honor to forward
plans and estimates for improving and altering the
existing buildings at Panamulla named below for
the approval of His Excellency the Commander
in Chief and for transmission to Government
for sanction.

Enclosures.
29 Plans.
5 General
abstract of
estimate.
23 Estimates.

<u>Depot Hospital</u>	
No. 2 Ward Raising wall and adding ridge Ventilators	1115
No. 1 and 3 Wards remaining	250
Western range remaining part	3300
For No. 1 range Ridge Ventilators	130
Out houses remaining	300
<u>Temporary Hospital</u>	
Remaining	260
Part of Ditch	27950
Filling	

European Buildings

Eastern and Western ranges - Remainsing	85
North Eastern ranges - Altering into	
Stores & Quarters for married Sergeants	2150
South Western ranges - Altering	1700
South Eastern ranges - Altering	2500
North Western ranges - Altering	1150
Women's Wash Room at north end	
remains - Remainsing	95
East room at South East end	
Remainsing	70
Ground room, conversion of into 2 celling	
Cells	100
Celling Cells, construction of two more	757
Latrine on South Western side, partition	
Walls to	90
Store room conversion of into kitchen	350
Crantew	
Bridge and tower Ventilates	121
Spurth Barnacks	
Bridge Ventilates	350
Latrine alterations of	720
Garrison Sergeant Major's Quarters	
Constructing Verandah	470
Whitewash and painting	
Refining	2200
<u>Total Repairs</u>	<u>46570</u>
Balance on account of fittings in stores	30,000
	76570

1912

I have honor to be,
Sir,
Your Obedient Servant.

Herbert R. B. Brig. General
Commanding Centre District.

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R.

Indilora

Pr. 9477/96
1

<i>Quantities</i>	<i>Description of Charges</i>	<i>Rate Per</i>	<i>Amount Total.</i>

65536 6 yds of Earth work for filling
the ditch brought from a
distance average 2 miles—

12000 sq. earth work for levelling } " 3 " " 2250 " " }

Parade ground _____ 226 x 71

Sum Dues _____ 224 " " ✓

Total Rupees — 27050 ✓

Not Sanctioned
 4th April 1876
 Dr. Dyke 1881
 Approved
 1/My order
 En Moritue
 Dyant Bluefau

Chas. A. Chubb

A² Takig, Amerseen

Al Smith Capt. R.E.
Ex Eng Mount Range

H. M. S. by Coll. R. E.
L. S. by Coll. R. E.

30. March 1876

New Work

Military

Abstract Estimate No of 1875/76
District - Chingapat Cantonment Poornallee
Work For filling the hollow near Cemetery at
Poornallee.

Rs. 3477/76

Quantities Description of Charges Rate Per Amount Total

5838

6 cys of Earthwork for filling
the hollow with earth brought from a distance of 1/2 miles

For carrying
4 April 1876
By the order
Approved
Em Marie King
By Asst Quarter Master

the Earth at 10 12 1/2

Total Rupees 2200

Asst Quarter Master
Asst Quarter Master

Asst Quarter Master
Asst Quarter Master
Asst Quarter Master

30 March 1876

Mount Range
Estimate No of 1875/76
Work: Filling the hollow
near Cemetery at
Poornallee

Rs. 24000

Rs. 24000

Quarter Master Generals Office
Fort Saint George - 19 April 1876

N^o 2812

From, Brigadier General A Howlett C.B.
Quarter Master General

To, Colonel J Michael CSI.
Secretary to Government
Military Department

Sir, I have the honor, by desire
of His Excellency the Commander in Chief,
to forward for transmission to, and
examination in the Public Works De-
partment, the Plans and Estimate for
the proposed new Barracks, Apothecary's
and Family Quarters for Poonamallee.

In regard to the Barracks His
Excellency considered it would be well if the
external design of the Building correspond-
ed with that decided on for the new
Hospital as far as circumstances admit.

The Plan of the Family Quarters
is in accord with Bangalore Quarters
and which were approved of by the late
Commander in Chief

4

No 23

Mount (Rang)

Estimate & 1875/76

Mount. Friday, 11th Novem-
ber 1875, at Green-
march 102 2200--

Ch. 1875 2250

9. 4. 1876/76
24

4. The dry Earth System of latrine at
Bangalore has been found to answer
hygienic well and in designing the
for three new Barracks, His Excellency
recommends for considering whether on
economical grounds it might not be
advantageous to adopt the same system.

5. The Plans and Estimates for alter-
ations to the existing Buildings also
accompany with a covering letter from
the Officer Commanding Cistric District
detailing the work to be done to be
in connection with the general scheme
for improving the Pomanice Sanit-
arium. —

No 45 dated
5 April 1876

I have the honor to be
Sir
Your obedient Servant
J. Miller, B. S. General
Quarter Master General

14.

3411

used as
with

1876

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11

July: 1876 Dept.

28-11-76
29-11-76
30-11-76
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3 Dec 76
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No 2812

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Home and Buildings

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FORMER CASES

Current No of 187

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M WORKS FORM No 3

Current No

3477

From

The Secy. to Govt,
Mily. Dept.

No 2162
Dated 13
Recd 13

1876

Subject:— Transferring
letter of the Dr. Master
General forwarding plans
of estimates for the
proposed new Barracks
at Ponnammallee.
3-8-76

ENCLOSURE 148

From

to

"

"

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"

"

Orders and Proceedings in file

Department	No	Date	ENDORSEMENTS		
			Department	No	Dated

Public Works Department

No 2220

PROCEEDINGS of the MADRAS GOVERNMENT.

UNDER date the 22nd Aug 76

Read the following —

Endorsement from
the Milly Dept. in letter
from the Master Master Genl. } (H.O. No. 2162 d. 11th May 76)

By Chief Engineer } (H.O. No. 12th July 76)

Superintendent } (H.O. No. 1404 d. 26th July 76)

Ordered that the
plans and estimates
be forwarded for the
sanction of the Government
at India. Provision has
been made for fillings
in the Fort Ditch and
ground near the Cemetery.
This cannot be regarded
as an essential part
of the project. The necessity
for the work must also
be established on sanitary
grounds.

* Rs 27,050
" 27,000

Seen by no means convinced
of the necessity of filling in the
ditch. I believe a Committee must
do all that is required as far as
drainage of the present ditch
is concerned. 19th August 1876.

LATER CASES

Current No of 187

"
"
"

No 520

For
Can be admitted. In details
see given of the depths, the
filled in and it is not
stated whether the object
in view can be accom-
plished by draining
the hollows in question.
A deduction of Rs. ²⁹²⁵⁰ ~~45000~~
will be made on this
account.

(A.C. No 2221 d 22nd Aug 1876)

To The Secretary to the
Government of India
Public Works Dept

Sir, I am directed to forward
herewith plans and esti-
mates aggregating Rs. ²⁶⁸³⁷⁰ ~~77700~~
for additions and alter-
ations to the Barracks
for European Troops at
Ponamallee.

32 Estimated with specifications
13 8th Aug.
Capt. G. G. Munnick
Chingleput
Military Dept. 13/8/76

Ponamallee.
2. The necessity for this
work has been fully
discussed in former
correspondence; and
finally recognized by the
Government of India as
communicated in Docket
from the Military De-
partment No. 13728/1876.
And the accompanying
Memorandum by the
officiating Deputy Chief
Engineer in the Public Works
Department gives a detailed
description of the ac-
commodation proposed
to be provided.
3. The plans which
accompany this letter
meet the requirements
of the scheme. They have
generally received the
approval of Sir Frederick
Daries, His Excellency
the

the Commander-in-Chief
of India, when at Madras,
and of His Excellency
now Commanding the
Madras Army. The
Subordinates for the several
cases in the opinion of
His Grace in Council,
moderate. It is accordingly
directed to request
that the sanction of the
Government of India
may be extended to them.

11/11/18

Dated on the 13/9/18
with 32 B's & Specifications
and 13 Plans.

No 520/22

10/11/18

3477

Col. of 1870

PUBLIC WORKS.

The Lat^o Long^o Chong^o Chong^o

Date

Loc

Recd

Ex

G O, 22 Aug 1871, No 22207222

Nov 15 20 @ 6 22

Forwarding plans &
Estimates for certain
alterations and
additions to the
Baracks for Indian
troops at Poonamallee

Baracks for European
troops at Poonamallee

Passing orders on
plans & Estimates for
additions and alterations
to the —

1871
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