

(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.	1421-A	Press
~~B.P. No.~~		~~Mis.~~
565-A 565-B		
565-C 565-D		
Dated	25-6-1874	195

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
25th June 1874.*

Read the following papers :—

No. 565A. From W. S. HARRINGTON, Esq., District Engineer, Malabar, to Colonel G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Calicut, 17th February 1874, No. 16.

WITH reference to G. O., No. 87, dated 15th November last, I have the honour to forward a plan and estimate for constructing officers' quarters and out-offices at Malliappooram.

G. O., Military Department, No. 3,598, dated 31st October 1873.

2. The estimate amounts to Rupees 28,000, and provides for the erection of three blocks as per plan, viz.:—

1. Quarters for Commanding Officer.
2. Do. for Surgeon and Mess-room.
3. Do. for two Subalterns.

REFERRED to the Inspecting Engineer for Buildings for early disposal. He will report if the accommodation provided is consistent with Regulation; will call for a site plan showing situation with reference to the barracks, etc; and will authorize the collection of materials meanwhile on the allotment of Rupees 8,200 made in the Budget of 1874-75.

FORT ST. GEORGE,
25th February 1874.

(Signed) G. W. WALKER, Colonel, R.E.,
Chief Engineer, P.W.D.

No. 565B. From Colonel E. A. FOORD, R.E., Inspecting Engineer for Civil and Military Buildings, to Colonel G. W. WALKER, R.E., Chief Engineer, Public Works Department, dated Chepauk, 1st June 1874, No. 770.

WITH reference to your endorsement, dated 25th February 1874, on a letter from the District Engineer of Malabar,

- I have the honour to forward the plan and estimate for officers' quarters at Malliappooram, accompanied by a site plan, showing the position of the quarters with reference to the barracks and other buildings.
- 1 Estimate, Rupees 27,660.
 - 1 Specification.
 - 1 Plan.
 - 1 Site plan.

1 Letter from the District Engineer of Malabar, No. 16, dated 17th February 1874, with Chief Engineer's endorsement.

2. The plan is in general accordance with that approved in G. O. of the 20th of June 1866, No. 1,928. The estimate exceeds the limit of 4,000 Rupees for each unit including out-offices, but the District Engineer states that the rates for labour and materials are high in the district, and the estimate has been made on the rates prevailing at Calicut. The scantlings of the timber in the estimate have been altered, and the attention of the District Engineer has been called to the construction of the ceiling and the omission of windows in the rooms of the out-office.

Proceedings of the Madras Government, Public Works Department,
25th June 1874.

No. 565C. From W. S. HARRINGTON, Esq., District Engineer, Malabar, to Colonel G. W. WALKER, R.E., Chief Engineer, Public Works Department, dated Calicut, 18th June 1874, No. 62.

In compliance with the requisition of your memorandum, No. 425, dated 11th instant, I have the honour to annex in the margin a memorandum of the cost of each double unit block of officers' quarters proposed to be built at Malliappooram as also the cost of each set of godowns separately.

Constructing Officers' Quarters at Malliappooram.		Rs.	A.	P.
Cost of each double unit block ...	7,059	11	0	
.. each set of out-houses ...	2,273	10	4	
Total...	9,333	5	4	

No. 565D. ORDER THEREON, 25th June 1874, No. 1,721-A.

MILITARY WORKS, No. 18A.

His Excellency the Governor in Council sanctions the construction of the two outer double unit blocks of officers' quarters shown in the site plan, at an estimated cost of Rupees 18,660, as sufficient for the immediate wants of four officers on detachment at Malliappooram, leaving the centre block for future consideration.

2. The District Engineer will arrange for the completion of the buildings before the monsoon of 1875. The Budget allotment of Rupees 8,200 will be supplemented later in the year should additional funds be then wanted.

(True Extract.)

Colonel, R.E.,
Secretary to Government.

No. 470

OFFICE OF THE INSPECTING ENGINEER
FOR CIVIL AND MILITARY BUILDINGS,
Chapauk, 1 June 1874.

From THE INSPECTING ENGINEER
FOR CIVIL AND MILITARY BUILDINGS,

To The Chief Engineer
P.W. Department

Sir,

Enclosure 5. With reference to your endorsement dated 25th February 1874, on per letter from the District Engineer of Malabar, I have the honour to forward the plan and estimate for Officers Quarters at Malliappooram, accompanied by a site plan, showing the position of the quarters with reference to the barracks and other buildings.

The plan is in general accordance with that approved in G.O. of the 20th of June 1866 No. 1928. The Estimate exceeds the limit of 4000 Rupees for each

each unit including out office, but the District Engineer states that the rates for labor and materials are high in the District, and the Estimate has been made on the rates prevailing at present. The Scantling of the timber in the Estimate have been altered, and the attention of the District Engineer has been called to the construction of the ceiling and the omission of windows in the room of the out office.

I have the honor to be
your most obedient servant
E A And for R E
Inspecting Engineer
for Buildings

Approved
District Engineer

W. H. Thompson

Accommodation for your officers.

Quantity	Unit	Particulars	Per	Article	Work
2	49 1/2	Front and rear steps			
2	6	Side			
2	23 1/4	Bearing wall under floor			
			69 3/4		
			<u>Total 3200 25/32</u>		
2	52 1/2	Longitudinal walls of center rooms			
3	18	Ends			
1	152 1/2	Verandah walls			
7	1 1/2	Doors			
1	18	Gate			
4	10	Verandah pillars (front & rear)			
4	12	Doors			
			<u>Total 1419 1/2</u>		
10	8	Part of center rooms			
5	7	Doors			
12	4	Windows			
10	6	Arch and new door in center			
6	5 1/2	Doors			
12	4 1/2	Windows			
			<u>Total 1338 3/4</u>		
			<u>Total 1860 3/4</u>		
			<u>Total 330 3/4</u>		
2	84	Walls of center rooms (inside)			
1	135	Doors			
1	194	Verandah walls (outside)			
1	260	Doors			
2	18	Gable of main wall			
8	12	Doors of Verandah walls			
8	10	Doors			
1	250	Apartment all round (including steps)			
8	4	Sides of steps			
7	8	Pillars			
10	20 1/2	Sides & soffits of doors to center ground			
6	18	Doors			
12	14	Sides, soffits & sills of Windows			
			<u>Total 14615 1/2</u>		
			<u>Total 1860 1/2</u>		

1/2" 8" 8" 115 3/4
 20 14 4" 8" 62 3/4
 Total 177 1/2
 2 25 19 1/2" 39 3/4
 2 19 13 1/2" 20 3/4
 Total 60 1/2
 4 28 2" 1/2" 112
 2 44 2" 1/2" 88
 8 10 1" diameter 63
 Total 263
 8 4 1/2 8" 288
 8 4 7" 234
 12 3 4 164

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 8 10 1" diameter 63
 Total 263
 8 4 1/2 8" 288
 8 4 7" 234
 12 3 4 164

26 20 4" 8" 115 3/4 Center rooms large. (Joints 2 feet apart from center to center).
 20 14 4" 8" 62 3/4 Ditto small ditto ditto ditto
 Total 177 1/2 Cub: feet of Board in Karamandoo wood
 2 25 19 1/2" 39 3/4 Joints wrought & put up @ 1 2" off 200"
 2 19 13 1/2" 20 3/4 Center rooms (large) planking.
 Total 60 1/2 Ditto (small) - Ditto
 Cub: ft of Board in Karamandoo planking
 wrought & put up @ 1 8" 50 90 4"

4 28 2" 1/2" 112 Straps for principal rafters
 2 44 2" 1/2" 88 20. lbs King post
 8 10 1" diameter 63 Ribs with ribs & heads
 Total 263
 8 4 1/2 8" 288 263 2 inches of wrought iron (263 x 263) = 725 lbs
 8 4 7" 234 20 lbs (outside half parallel, half vertical
 12 3 4 164 inside half parallel and half glazed) @ 2 1/2" 8 1/2" 828"
 8 4 7" 234 Deck with frames complete @ 1 2" 20002"
 12 3 4 164 Posts parallel complete @ 1 2" 20002"
 Windows half vertical and half glass @ 1 8" 50 90 4"
 complete @ 1 8" 50 90 4"

Excavating Foundation and filling
 in Basement @ 50" 50"
 Levelling site 100"
 Compensation for land 40"

1 29 1/2 2 " 59 Ridge beam
 2 29 1/2 2 " 198 Purlins
 2 78 2 " 312 Pole plates
 2 20 2 1/2 " 113 1/3 Tie beams
 4 11 1/3 " 58 2/3 Principal rafters
 4 5 1/3 " 26 2/3 Struts
 2 7 2 1/2 " 39 1/3 King posts
 Square feet of Wood siding @ 5" 5" 84 60 5 10
 Total 804 1/3

" 8 4 1/2 " 612 Pons to front & rear Verandahs
 16 7 4 " 668 Ditto parallel
 12 4 3 " 144 Windows half vertical & half glazed
 Total 1204 19: ft of painting door and windows with traps
 Cardons chocolate brown paint @ 5" 5" 80 60 3 2
 Carried over 6798 14 8

Collected in
the month of
Aug. 1894
from the
mountain
side.

Particulars. Rate. Amount of each.
Con. article. W.A.
Brought forward 698 14 8

Longitudinal

2	95 1/2	1 1/2	3 1/2	1002 3/4	main walls
4	12	1 1/2	3 1/2	441	front walls
2	16	1 1/2	3 1/2	168	End - 200
1	95 1/2	1 1/2	3 1/2	501 3/4	Verandah wall
10	2 1/4	3/4	3 1/2	59 1/6	Pillars
Total				2172 3/16	

Transverse

1	96 3/4	3/4	12	852 3/4	front wall
1	74 3/4	3/4	8	448 1/2	Rear - 100
4	12	3/4	8	504	Grate walls
2	12 3/4	3/4	8	153	End - 100
10	1 1/2	1 1/2	8	180	Pillars
4	12	3/4	4	324	Gables
2	12	2	3 1/2	168	Five places
Total				2630 3/16	

Total 4802 3/16 cubic ft of masonry

Roof

6	3	3/4	6	81	Roof
6	4 1/2	3/4	1 1/2	30 3/8	Arch with over doors (segmental)
Net total				469 1/16	C. ft of article in masonry
Total				507 1/16	

@ 14 " = 7096 56 12 "
@ 18 " = 9157 5

Back wall (outside)

1	96 3/4	"	8	758	Back wall (outside)
1	88	"	8	704	Ditto (inside)
1	73 1/2	"	12	879	front wall (outside)
1	68	"	12	816	Ditto (inside)
2	13 1/2	"	8	216	Grate walls (outside)
2	12 3/4	"	8	204	Ditto (inside)
14	12	"	8	1344	Grate walls
10	6	"	8	480	Pillars
1	22 1/2	"	1	22 1/2	Basement all round
18	12	"	4	864	Gables
Total				6492 1/2	sq ft of plastering

Roof

12	6	3	2 1/2	216	Roof
Net total				6246 1/2	sq ft of plastering with mortar and hair @ 1 8 " 1000 94 24

Carried over 7558 4 5

Specification to accompany Es-
timate for constructing Officer's Quarters with
out houses but well equipped.
Amount of Estimate Rs. 28,000

The main building will be
raised on a Basement 2 1/2 feet high, and
2 1/2 feet broad with foundations 3 ft. broad
and 3 ft. deep, and will consist of 2 centre
rooms each 24 ft. by 18 ft.; two verandah
rooms (large) each 18 ft. by 12; 4 Verandah
rooms (small) each 12 x 10 feet, and front &
rear verandahs each 44 ft. long x 10 feet
wide with steps attached.

The principal walls are to be
15 ft. high, and 1 1/2 ft. thick. The verandah walls
8 ft. high and 1 1/2 ft. thick; the verandah pillars
8 ft. high and 1 1/2 ft. square. The masonry to
be of picked laterite infusum composed of
1 1/2 parts of sharp clean river sand to one of
freshly burnt shell lime well mixed together.

The roof will consist of two
king post trusses, complete, of well seasoned
teak, with rafters, rippers, wall plates, and
brassmums of local or Karamandoo wood
and covered with a double course of pan tiles,
(for scantling of timbers see Plan.)

The two centre rooms to have a
boarded flooring consisting of joists (3" x 5") &
planking one inch thick. Joists to be placed
1 1/2 ft. apart from centre to centre, and planks
not to exceed 6 inches in breadth. A bearing
wall 9 inches broad will run longitudinally
through each room for the cross joists to
rest on.

1/2 of estimate of
maximum estimate.

Each in a letter of 1/2
dated 1/2/1914
Dated 12/1/14
Respectfully
1914 1/2/14

On a letter from the
M. Eng. Headmaster to
the Secy. to Govt. of M.
dated 1/2/1914

P. H. 1/2/14

Estimate for construction
of Officer's Quarters
with out houses in the
existing compound
at M. C. C. M. M.

1914-15 1/2/14
1/2/14

Amount of Estimate Rs. 28,000

The verandah rooms and front and rear verandahs to have a catch stone flooring, laid on 6" jelly water & well rammed.

The two centre rooms (24' x 18') and two verandah rooms (18' x 12') will have a boarded ceiling consisting of joists & planks. Joists to be 8" x 4" and placed two ft. apart from centre to centre; planks to be 1/2 inch thick and not to exceed 6 inches in breadth.

The doors and windows will have segmental arches over them 1 1/2 ft. deep.

Seven doors (8' x 4 1/2') will be fitted in the principal walls of the Building and 6 doors (7' x 4') & 12 Windows (4' x 3') in the walls of verandah rooms. The doors facing the front & rear verandahs will be double, outside being half pannelled and half venetian, and inside half pannelled and half glazed; the remaining doors will be single pannelled. The whole of the windows will be half venetian & half glazed.

^{joists} in the masonry to be scraped to a depth of half an inch and the Building throughout plastered with 2 coats of Chumam, the first coat being composed of 1/2 of sand to one of lime well mixed together to be at least quarter of an inch thick, and when it is properly dry, the second coat of equal parts of lime and sand as above to be laid on & properly smoothed & rubbed.

The out houses consisting of four rooms &c. according to the dimensions shown in the Plan. The masonry & plastering are

to be as specified for the main Building, principal walls having a Basement 6 ft. deep and 1 1/2 ft. broad with foundations 1 1/2 ft. broad and 2 1/2 ft. deep; verandah walls, basement 1 ft. deep and 2 1/2 ft. broad and foundations 2 1/2 ft. broad and 2 1/2 ft. deep.

The flooring will be of Laterite jelly 6 inches thick.

The roof will consist of well plates (5' x 3') ridge beams, bressumers, rafters, piers &c. of well seasoned Eoal, and to be covered with iron tiles.

A batten door (6' x 3') is to be fitted in the front wall of each of the rooms.

Out houses to be constructed 50 feet from rear of main Building and to be connected by a covered walk 6 ft. broad.

The site now in terraces to be properly levelled all rocks &c. about the surface of the ground, & in the way of the buildings to be removed.

All the iron straps, bolts, hinges, nails, &c. to be heated & dipped in coal tar before being put up. ~~and~~ ^{and} ~~siding~~ ^{siding}. Woodwork of trusses to be oiled with two coats of good oil.

Doors and windows to have two coats of Carson's chocolate brown paint.

All scaffolding & materials required for the proper erection of the Building to be provided and all rubbish & surplus materials

22565 B
Sept 26 Oct 20 1874

22562
QO No: 17212. 2556-74
Representing the cost
of each double unit
block of the pro-
posed officers'
quarters at Madras.
-J. M. S. -

Recd 15th
20th June 1874

22562
The Chief Engineer
Madras
1874

22562
The Chief Engineer
Madras
1874

N: 16
Madras Distt Engrs Office
Calcut 17th February 1874

June
The District Engineer
Madras

The Secretary to Government
Madras

Sir,
With reference to G.O. No. 17212 dated
15th November last, I have the honor to
acknowledge the receipt of your letter and
to forward a plan and estimate for
constructing officers' quarters and out-
posts at Madras.

The estimate amounts to Rs 22,000
and provides for the erection of 5 blocks
as per plan viz:

1. Quarters for Commanding Officer.
2. do for Surgeon and Messengers.
3. do for two Subalterns.

I have the honor to be
Sir,

Your most obedient servant

W. M. S.

District Engineer
Madras

By Order: 1721/94 of 25 June 1874.
Public Works Department

Proceedings of the Madras Government.
Read the following
From the of the Malabar. (H.E. No. 16 of 17th July 1874)
The Supply Engineer
for Buildings (H.E. No. 770 dated
1st June 1874)
" St Engineer Malabar (H.E. No. 62 dated
18th June 1874)

His Excellency the
Governor and Council
sanctioning the construc-
tion of the two outer
double Unit Blocks
of Officers' Quarters shown
in the site plan, at an
estimated cost of Rs. 18,660
as sufficient for the im-
mediate wants of the
Officers on detachment
at Mallappuram, leaving
the Centre block for
future

M
2/16
H.E.

Mr. 3286/94.
2

P.O. No. 1721/94. Malabar
Supply Engineer
H.E. No. 1011
H.E. Engineer
Malabar.

The Secretary to Govt. of
Madras

By Order: 1721/94. 25-6-74
20th February 1874

H.E. No.

Enclosure 3.
P.O. No. 1721/94. 25-6-74
Forwarding plans
estimate and specification
for erecting Officers
quarters and out office
at Mallappuram.

Refence 3

For the Govt.
25th July 1874

Referenced to the Secy.
of the Engineer for Buildings.

For early disposal. It will
be of the communication
presented is consistent with
Regulation; will call for
a site plan showing situation
with reference to the Government
will authorize the estimate
of materials meanwhile
on the estimate of
Rs. 8200 made in
the Budget of 1874-75
Annexure C. 288.
Chief Engineer 29th
21st 666/94

future consideration.

The District Engineer
will arrange for the
completion of the buildings
before the monsoon
of 1875. The Budget
allotment of Rs. 8200
will be supplemented
later in the year should
additional funds be then
wanted.

Done

50
7

S. P. Engr. General
Cont. ✓

565 A-565 D

Engr. Dehant ✓
S. Engr. Dehant to Engr. 11/7/74.
M. S. Dehant only to Engr. 26/6/74.
S. Engr. Dehant to Engr. 11/7/74.

By 24/6/74 Rs 26/1/74

3286
372⁰
1011

Govt. of 1824 Madras
PUBLIC WORKS.

To
The Dist. Ingr.
Maulan

Date

Recd.

Encl 5

25 June 1874 No. 1721A

For S.D.

Officers Quarters at Malacca
Programme -

The construction of two
outer double Unit Blocks of
Quarters at an estimate of
cost of Rs. 18,660 sanctioned
with remarks -