

(1) Number of pages _____

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MADRAS RECORD OFFICE

Government of Madras

Public Works

DEPARTMENT

G.O. No.	<i>1866.</i>	Press
B.P. No.		Mis.
Dated	<i>3-7-195</i>	<i>195</i>

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
3rd July 1875.*

Read the following letters :—

No. 69. From T. D. HARRIS, Esq., Officiating District Engineer, Malabar, to Colonel G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Calicut, 8th May 1875, No. 18.

In obedience to your orders conveyed in G. O., No. 3,555, dated 17th December last, I have the honor to forward an estimate, amounting to Rupees 2,700, for asphalt-ing verandahs and boarding floors of officers' quarters at West Hill, Calicut.

2. Adverting to the latter part of the 1st paragraph of G. O., No. 2,136, dated 4th August last, I have the honor to state that the following is the accommo-dation :—

	Present avail- able accommo- dation.	Accommodation prescribed in G. O., No. 1,923, dated 20th June 1866.	Present available accommodation out- houses.	Accommodation prescribed.
1. Commandant ... Square feet.	3,127	2,952	1,613	1,626
2. Subalterns (2) ... Do. ...	2,832	2,952	809	1,626
3. Apothecaries' quarters occupied by Surgeon (rank as Captain.)	1,661	2,952	664	1,626

It will be observed that while the accommodation provided for the Commandant is according to the rules and the out-houses available for the Subalterns are insufficient.

3. Although Captain Money, the former Officer Commanding Detachment 43rd Regiment, Calicut, occupied Subalterns' quarters, yet he paid Rupees 25 from 1st July to 14th February last, but since that Lieutenant Miller, who commands the station, and occupies Subalterns' quarters, objects to pay more than 15 Rupees a month as he is only a Lieutenant, I refer the matter for your orders as to whether Lieutenant Miller is right or not. I would here mention that the Commandant's quarters are used as Mess-room by the officers, and is not occupied by Lieutenant Miller.

“ IMPERIAL ” — “ ORDINARY ” — “ MILITARY ” — “ NEW WORKS. ”

*Estimate of the probable cost of asphaltting verandahs and boarding floors of Officers' quarters
at West Hill, Calicut.*

Quan- tity.	Particulars.	Rate.	Per	Amount.	Total.
		RS. A. P.		RS. A. P.	
4,900½	Cubic feet, or 181½ cubic yards of excavating basement ...	0 3 0	C. yard.	34 1 0	
1,540½	Do. of latario in chunam ...	14 0 0	100 C. ft.	315 9 7	
60½	Do. of wall plates of Erool or Karamaradu wood wrought and put up ...	1 4 0	C. foot.	87 3 6	
334½	Do. of joists of Erool or Karamaradu wood wrought and put up ...	1 4 0	Do.	418 10 9	
468½	Do. of planking of Erool or Karamaradu wood wrought and put up ...	1 8 0	Do.	702 12 0	
2,949½	Square feet, or 39½ squares of asphaltting ½ inch thick ...	15 0 0	Square.	692 3 0	
2,477½	Square feet, or 24½ squares of ceiling with dungary cloth, do. ...	10 0 0	Square.	347 3 0	
154	Square feet of windows with glass shutters inside ...	1 6 0	Square ft.	211 12 0	
	Sundries and Superintendence ...	...	...	...	2,316 3 7
	Total ...	...	...	...	189 12 5
					2,700 6 6

CALICUT,
12th April 1875.

(Signed) J. LALOR,
Supervisor, D. P. W., in charge of Calicut Range.
(Signed) T. D. HARRIS,
Offy. District Engineer, Malabar.

*Proceedings of the Madras Government, Public Works Department,
3rd July 1875.*

No. 70. From T. D. HARRIS, Esq., Officiating District Engineer, Malabar, to Lieutenant-Colonel J. MULLINS, R.E., Officiating Secretary to Government, Public Works Department, dated Calicut, 2nd June 1875, No. 32.

In reply to yours No. 22, dated 25th ultimo, I have the honor to inform you that the bearings of joists of all the rooms vary in length from 6½ to 11½ feet, the latter being the greatest bearing; the rooms are all on the ground floor.

2. The lengths of the joists given in the estimate are continuous lengths from end to end of rooms. The wood selected is the best and most durable, next to teak, and the cost thereof is little more than one-third of teak wood. The total cost of the wood work provided in the present estimate is Rupees 1,208-13-0, and for teak it would amount to Rupees 3,056-11-3, or an average of Rupees 3-8-0 per cubic foot at Calicut.

3. With reference to the concluding paragraph of yours under reference, I thank you for calling my attention to the omission in the estimate and specification for painting with tar the wall plates and all parts of the wood work resting in masonry; but, though it has been omitted by oversight, orders have been issued by me over the district that the ends of all wood work resting in masonry shall be set only after receiving two good coats of a preparation of tar and asphalt, wood work exposed to be painted or tarred as the position or locality demands in all cases in future in this district. The amount provided for sundries in this case will cover the outlay.

No. 71. ORDER THEREON, 3rd July 1875, No. 1,866.

MILITARY WORKS, No. 2.

The estimate, amounting to Rs. 2,700, for asphaltting verandahs and boarding floors of officers' quarters at West Hill, Calicut, is sanctioned.

2. On the completion of the improvements to the barracks now sanctioned, the District Engineer will re-assess the rent to be charged to the officers provided with quarters in strict accordance with the General Order of the Government of India, No. 460, of the 11th December 1866, circulated by order of this Government, No. 270, of the 28th January 1867. In the meantime, the charges levied will be those approved of

No. 2,136.

in the Proceedings of Government of the 4th August 1874, viz., Rupees 25 and

Rupees 15 per month for Captains and Subalterns, respectively.

(True Extract.)

(Signed) J. O. HASTED, Major, R.E.,

Offg. Joint Secretary to Government.

To the District Engineer, Malabar.

„ Controller of Public Works Accounts.

„ Military Department.

Exd. A. Grubert.

Spare Copies

*No order bearing No. 1928 on
the subject of accommodation
for military officers can be
found in my Dept. here
G. O. No. 270 of 28 January is
herewith sent as it is
thought to contain the
information required.*

R.P. 19/6/75

8.6.75

[Faint handwritten notes and markings]

11. If owing to quarters suitable to his rank not being available, an Officer is provided with quarters inferior to those authorized for his grade, he will only be charged according to the scale of quarters he actually occupies. If, on the same grounds of suitable quarters not being available, he is provided with the quarters of a superior grade, he will only be charged rent according to the scale laid down for his rank. But if, at his own request, he is provided with quarters superior to those allotted to his rank, he will be charged the prescribed rent for such superior quarters.

FORT SAINT GEORGE, 11TH DECEMBER, 1866.

No. 460 of 1866.—The following Extracts from General Orders by the Government of India, are re-published :—

Head Quarters, Simla, 11th October 1866.

No. 859 of 1866.—His Excellency the Governor General in Council is pleased to lay down the following revised Rules regarding rent of public quarters, which will have effect from the 1st January 1867 :—

1. No deduction will be made from the pay and allowances of any Officers supplied with public quarters who have heretofore, under proper authority, been so provided free of charge.
2. When public quarters are provided for Commissioned Officers not entitled to free quarters, rent will be charged by the Public Works Department, and will be paid to the credit of that Department. No other deduction will be made from pay and allowances on this account.
3. The rent will be assessed on the principles laid down in paragraphs 11, 12, and 13, Chapter XI of the Code of Regulations for the Public Works Department of 1866, by the Executive Engineer on the Return which will be furnished to him by the Barrack Master, as regards Officers' quarters and other Regimental buildings under his charge. In all other cases, the Executive Engineer must arrange for the recovery of the proper amount of rents.
4. Having determined the amount of rent to be charged, the Executive Engineer will furnish to the Regimental or Circle Paymaster a monthly Statement countersigned by the Commanding Officer, or head of the Department concerned, showing the amount to be recovered from each Officer.
5. In the event of the rent fixed by the Executive Engineer being objected to by the occupant as too high, an appeal may be made through Commanding Officers, or local heads of Departments, to the Executive Engineer, and, with the approval of the Officer Commanding the Station, a final appeal may be made to a Station Committee, of which the Executive Engineer shall be a member.
6. The rent fixed for Commissioned Officers' quarters shall in no case exceed the amount laid down in the scale entered in this General Order, or such other scale as may be hereafter substituted for it.
7. The rent of quarters provided for the Officers of a British Regiment will be recovered by the Regimental Paymaster, and the amount transmitted by a Remittance Transfer Receipt to the Executive Engineer.
8. The rent of quarters occupied by Staff and other Officers who are not paid through Regimental Paymasters, will, when it is not more convenient to the Executive Engineer to receive the amount immediately from the Officer concerned, be recorded by Circle Paymasters, and transmitted in like manner by a Remittance Transfer Receipt direct to the Executive Engineer.
9. The authorized scale of quarters for Commissioned Officers is prescribed in the Public Works Department Code, Chapter IX., and the monthly rent chargeable for such quarters, when the full accommodation is provided, will, for the present, be as follows :—

	Rs.
Colonel or Lieutenant-Colonel	100
Major	80
Captain	50
Lieutenant	30
Ensign	25

10. Medical Officers according to their relative rank.
11. If owing to quarters suitable to his rank not being available, an Officer is provided with quarters inferior to those authorized for his grade, he will only be charged according to the scale of quarters he actually occupies. If, on the same grounds of suitable quarters not being available, he is provided with the quarters of a superior grade, he will only be charged rent according to the scale laid down for his rank. But if, at his own request, he is provided with quarters superior to those allotted to his rank, he will be charged the prescribed rent for such superior quarters.

*Proceedings of the Madras Government, Public Works Department,
3rd July 1875.*

No. 70. From T. D. HARRIS, Esq., Officiating District Engineer, Malabar, to Lieutenant-Colonel J. MULLINS, R.E., Officiating Secretary to Government, Public Works Department, dated Calicut, 2nd June 1875, No. 39.

In reply to yours No. 22, dated 25th ultimo, I have the honor to inform you that the bearings of joists of all the rooms vary in length from 6½ to 11½ feet, the latter being the greatest bearing; the rooms are all on the ground floor.

2. The lengths of the joists given in the estimate are continuous lengths from end to end of rooms. The wood selected is the best and most durable, next to teak, and the cost thereof is little more than one-third of teak wood. The total cost of the wood work provided in the present estimate is Rupees 1,208-13-0, and for teak it would amount to Rupees 3,056-11-3, or an average of Rupees 3-8-0 per cubic foot at Calicut.

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in the Proceedings of Government of the 4th August 1874, viz., Rupees 25 and

Rupees 15 per month for Captains and Subalterns, respectively.

(True Extract.)

(Signed) J. O. HASTED, Major, R.E.,

Offg. Joint Secretary to Government.

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

Exd. A. Grubert.

Spars Copies

*ings of the Madras Government, Public Works Department,
28th January 1867.*

Read the following papers :—

From the Controller of Military Accounts, to the Secretary to Government, Public Works Department, dated Fort Saint George, 12th December 1866, B.

have the honor to forward a letter from the Examiner, Pay Department, dated 8th December 1866, No. 3,242, y, British Cavalry, British Infantry, bringing to notice that the new system of payment of British Troops, introduced st October 1866, under instructions from the Government of India, it deductions for rent of public quarters from Officers of *British Regiments* aid to the Public Works Department.

no check will, therefore, rest with the Officers of that Department, and quest that the necessary instructions may be issued to the Executive concerned.

could it be in the power of the Pay Department in any way to facilitate e of that check, I shall feel obliged by your informing me on the point.

ly Examiner, to the Controller of Military Accounts, dated Fort Saint George, 8th December 1866, No. 3,242.

paragraphs 55 and 56, page 399 of the Pay Code, all deductions for rent of public a, been checked by this office, but under the new system of accounts for European as of European Troops, these deductions should not appear in the Accounts of Regiments and Batteries rendered to this office, as heretofore; the sums pay- th September 1866, No. 188 B.

cers are due to the Public Works Department, and are now to be paid to the Officers of lment by Regimental Paymasters, &c.; it seems, therefore, unnecessary for this office, any check on such payments, which indeed it could not do without a separate statement ctions for which no provision is made in the rules, and I would, therefore, suggest that ted to the Public Works Department that all recoveries from European Regiments, &c. of rent of quarters, should now be checked by the Officers of that Department.

ferred to the Controller of Public Works Accounts for report.

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

Secretary to Government.

December 1866.

9. From the Controller of Public Works Accounts, to the Secretary to Government, Public Works Department, dated Madras, 8th January 1867, No. 3,172.

r from Controller, Military Accounts.
do. Pay Examiner.
of letter from Accountant General,
Public Works Department.

to state that it appears to me the assessment and collection of rents of public buildings are, by G. O. of the Government of India, published in the No. 460, dated 11th December 1866. Saint George Gazette, dated 11th December 1866, to be made by the Executive

1. With reference to the letter from the Controller of Military Accounts, dated 12th December 1866, referred for my report, I have the

*Proceedings of the Madras Government, Public Works Department,
23th January 1867.*

Engineer of the Division or Range, and the duty of collecting the rent payable by Officers of British Regiments should also, it appears, be similarly entrusted to the Public Works Officer.

2. But the Sections of the Code of the Government of India, under which the assessment and collection are to be made by this Department, have not been specially made applicable to this Presidency by a G. O. of this Government, and this is left for the orders of Government to determine upon.

3. In paragraph 6 of my letter of the 16th May 1865, No. 1,156, to the address of the Board of Revenue, recorded in G. O. 14th June 1865, No. 1,615, it was pointed out that this office was to be hereafter held responsible for proper records of rents of buildings being kept up in Ranges, and for the due realization of the rents as they become due; but in the orders of Government, in the Revenue Department, passed on this reference, it was decided that these instructions had reference to only rents realized by Public Works Officers, and it was not then the practice in this Presidency for Public Works Officers to realize rents for public buildings. It is left to the Government to determine whether this system is to be adopted for the future, in which case Range Officers will have to be furnished with periodical reports by Barrack Masters and Regimental Paymasters, &c., and this office will have to be in communication with them, in order to the keeping up Registers of such rents as well as their due recovery.

4. The accounting for, to this Department, of all rents from public buildings is also noticed in paragraph 4 of a letter from the Secretary to the Government of India, dated 21st September 1865, No. 843 A., as also in the letter of the Secretary to the Government of India, dated 9th February 1866, No. 154 A; but no special orders on the subject were passed in the G. O. of this Government, dated 25th October 1865, No. 3,205.

5. In a letter from the Accountant General, Public Works Department, dated 17th December 1866* No. 1,531, a copy of which is herewith forwarded, that Officer gives it as his opinion that the rents realized in the Military Department should be paid over by the Military Paymaster, to the Executive Engineer of the Division, to be accounted for in the manner laid down in the Chapters XI. and XXI. paragraphs 13, 3, 17 of the Code of the Government of India, quoted by him, and the Accountant General desires that the Accountant, Military Department, may be referred to, with a view to ascertain if he would conform to the above rule which has been done by this office.

No. 550. Memorandum from the Controller of Public Works Accounts, to the Secretary to Government, Public Works Department, dated Madras, 16th January 1867, No. 3,329.

Submitted to Government, in originals, for information and orders, with reference to the letter from the undersigned, No. 3,172, dated 8th January 1867.

*Proceedings of the Madras Government, Public Works Department,
23th January 1867.*

From the Military Accountant, to the Controller of Public Works Accounts, dated Madras, 11th January 1867, No. 2,501.

Adverting to your letter, No. 3,168, dated 8th January 1867, and its enclosures, I have the honor to observe that the attention of Executive Officers in the Military Department has been directed to G. O. G., No. 460, dated 11th December 1866, laying down rules regarding the rent of public quarters realized from Officers, &c., being remitted by means of Remittance Transfer Receipts from January 1867.

No. 551. ORDER THEREON, 28th January 1867, No. 270.

ACCOUNT, No. 51.

1. The General Order of the Government of India, No. 460, dated 11th December 1866, will be circulated to

the Superintending Engineers for communication to Executive Officers for their information and guidance.

2. Orders will be issued in the Military Department for the Returns referred to in paragraph 3 of the G. O. being regularly furnished to Executive Officers of the Public Works Department.

3. The mode of recovering the rents of Public Buildings in the occupation of Commissioned and other Officers is defined in paragraphs 7 and 8 of the General Order.

4. The Controller will see that proper records of rents due on account of Public Buildings in the occupation of Military Officers, in the same manner as the State demands for such rents are duly realized.

5. Captain Fischer will issue such subsidiary instructions as he may deem necessary for giving effect to these orders, and he will be specially careful to guard against unnecessary complications.

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

To the Superintending Engineers.

„ Controller of Public Works Accounts. } With General Order.
„ Military Department.
„ Accountant General.

Exd. T. O'Connor.

Specification to accompany Estimate
for asphaltting Verandahs & Boarding the
floors of Officers Quarters at West Hill Calicut

Amount of Estimate Rs 2700-0-0

The basement to be excavated
to a depth of 12 feet. the earth removed and
left open. Masonry walls 9 inches thick
to be then constructed all along contiguous
to the existing walls of the Buildings
and to have wall plates placed at top
in Chunnam. The joists to be laid 12
feet apart from centre to centre and
the planks nailed over.

The timber to be of well seasoned
Erool or Karumaru free from cracks
and flaws.

The floors of Verandahs and all bath-
rooms to be asphalted with a coat
3/4 inch thick consisting of equal parts
of asphalt and sand.

The ceiling to be of dungery cloth
prepared with a ground of one coat
of wheat flour paste and painted
with 3 coats of milk white paint.

After the completion of work all sub-
stance to be removed and the site left
clean.

Chao.

Not of Calicut Range Office
Calicut 12th April 1875

Superior S.P.O.

In Charge Calicut Rge.

D. K. M.
offg. S. Engineer Malabar

N^o 18

Malabar Distt Engr's Office
Calicut 8th May 1895.

From

The Officiating District Engineer
Malabar.

To

The Secretary to Government
P. O. No. Madras.

Sir,

In obedience to your orders conveyed in G. O. N^o 3555 dated 17th December last, I have the honor to forward an Estimate amounting to Rs 2700 for asphalting Terandahs and Boarding floors of Officers' Quarters at Trist Hill Calicut.

2. Adverting to the latter part of the 1st paragraph of G. O. N^o 2136 dated 4th August last, I have the honor to state that the following is the accommodation.

Present available accommodation	Accommodation prescribed in G. O. N ^o 1928 of 20 th June/88	Present available accommodation	Accommodation prescribed in G. O. N ^o 1928 of 20 th June/88
mandant - Sq: ft	3127	2952	1618
alters / 21 - do -	2832	2952	809
Secaries grs. occu. by Surgeon / rank / main	1661	2952	664
			1626

mandant - Sq: ft	3127	2952	1618	1626.
alters / 21 - do -	2832	2952	809	1626.
Secaries grs. occu. by Surgeon / rank / main	1661	2952	664	1626.

Not of Calicut Range
Malabar District.

Received
18/5/95

Estimate of Rs 2700
for asphalting
Terandahs & Boarding
floors of Officers' Quarters at Trist Hill Calicut.
P. O. No. 2136/95
Amount Rs 2700

It will be observed that while the accommodation provided for the Commandant is according to the Rules and the out-houses, available for the Subalterns are insufficient.

3. Although Captain Mancey the former Officer Commanding R. S. Attachment 43rd Regiment, Calicut occupied Subaltern's quarters yet he paid Rs 25 from 1st July to 14th February last, but since that Lt. Miller who commands the Station, and occupies Subaltern's quarters, objects to pay more than 15 Rs. a month as he is only a Lieutenant. I refer the matter for your orders as to whether Lt. Miller is right or not. I would here mention that the Commandant's quarters are used as Mess-room by the Officers, and is not occupied by Lt. Miller.

I have the honor to be.

Sir

Your most obt. Servant

R. Harris
Offg. Distt. Engr, Malabar.

Explanation
of necessity
of work
By whose
recommendation

for Article 10.

66 17. Dec. 1905. 267-368
 8. Aug. " 82-83
 23. Dec. " 89-90

Mr. L. B. Jones

170-15

16.188.3-9.95

C. 22.6.70-DB 2.0/6/34
 22.6.70-DB 2.0/6/34

Lot 1175

Journal

Explanation
Of necessity
of work
By whom
recommended

Total 6367

② " 3000 341 "

8 10 2 2
8 18 12 1 " 2/6 } — 0° — 44° north latitude

2	13	$\frac{3}{4}$	"	148	} Do Small coat Room
2	13	$\frac{3}{4}$	"	39	
2	13	$\frac{1}{2}$	"		

2 1/3 1/2 1 " 39 } — 20 — north room —
2 1/3 3/4 3/4 " 14 5/8 }

[illegible]

$\frac{2\frac{1}{2}}{4}$ " $\frac{2\frac{1}{2}}{4}$ } $\frac{10\frac{3}{8}}{8}$ " Small Room
 Total 5782 cubic feet.

$3 \frac{15}{16}$ $\frac{1}{2}$ 1 " $68 \frac{5}{8}$
 $3 \frac{15}{16}$ $\frac{3}{4}$ $\frac{3}{4}$ " $25 \frac{3}{4}$ } Large west room.

[illegible]

Small north rooms.

Small cat house.

$\frac{1}{6} \frac{1}{4} \frac{1}{2}$ / " "
 $\frac{1}{3}$ } $\frac{1}{3}$
 Largest worth known: _____

Total 505 1/2 cubic ft.

6 15 1/2 1 " 16 4 1/2
6 15 3/4 3/4 " 6 1/2
✓ Large Centre Room.

418 $\frac{1}{2}$ $\frac{3}{4}$ " 448 } North and east rooms.
418 $\frac{1}{2}$ $\frac{1}{2}$ " " "
418 $\frac{1}{2}$ $\frac{1}{2}$ " " "

2 18 $\frac{1}{4}$ 3 3 $\frac{3}{4}$ " 20 $\frac{1}{2}$ }
2 18 $\frac{1}{4}$ 12 1 " 57 $\frac{3}{4}$ }
Small west room

$\frac{113}{2}$
 Total 106 $\frac{5}{8}$ cub. ft. —————
 Landed ones ————— 341 "

Calicut.
Asphalting, boarding & boarding floors
of Officers Quarters at West Hill Calicut

22	13	12	"	149	West Room.
25	18	12	"	1350	Large north and south rooms.
13	9	12	"	175 1/2	Small east Room.
13	13	12	"	233 1/2	Small west Room.
9 1/2	9 1/2	12	"	122 1/2	Small - do.
20 1/2	16 1/4	1 1/2	"	499 3/4	Large - do.
18	9 1/2	1 1/2	"	256 1/2	Small east Room.
Total 2022 1/2 cub. ft.					

Taking
Name of
work
Dimensions
Length
Breadth
Depth
Superficial
Cubic contents

Particulars.

Date
Drawn by
per Article Work.
Explained
by whom
Recommended
ed.

Estimate of the probable cost of asphalting, boarding & boarding floors
of Officers Quarters at West Hill Calicut.

New floors are much required.
Recommended by Government in
G.O No 3555 dated 17th Decr 1894.

6	18 1/2	9	1 1/2	"	10 1/2	Large centre room.
4	15 1/2	9	1 1/2	"	6 1/2	North east room.
2	18 1/4	9	1 1/2	"	3 1/2	Small west room.
1	12				20 1/2	Small - do
2	25	18	12	"	1350	Large north and south rooms.
2	20 1/2	16 1/4	1 1/2	"	499 3/4	Large - do
2	18	9 1/2	1 1/2	"	256 1/2	Small east room.
Total 2022 1/2 cub. ft.						
2	22	18			690	Cubic feet of wall plates of roof as
2	25	18				Prismatic load weight put up @
15	13	3	6	"	28 3/8	Joists to west room.
34	18	3	6	"	76 1/2	Large north and south rooms.
9	9	3	6	"	10 5/8	Small east room.
9	13	3	6	"	14 7/8	Small north room.
7	9 1/2	3	6	"	8 3/4	Small - do
29	10 1/2	3	6	"	137 1/2	Cubic feet
24	18 1/2	3	6	"	260 1/2	Joist to large west room.
11	8 1/2	3	6	"	12 1/2	Small - do
30	9 1/2	3	6	"	35 1/2	Small north rooms.
22	10 1/2	3	6	"	28 3/8	Large north room.
13	9 1/2	3	6	"	15 7/8	Small east room.
Total 117 1/2						Cub. ft.
						Carried over.

95 lbs of 1 1/2" @ 14" 87 1/2

15	10	3	6	"	28 1/2	Port to west room.
34	18	3	6	"	76 1/2	Large north & south rooms.
9	9	3	6	"	10 1/2	Small east room.
9	10	3	6	"	14 1/2	Small west room.
17	9 1/2	3	6	"	8 1/2	Small - do
20	20 1/2	16 1/4	1 1/2	"	499 3/4	Large - do
2	18	9 1/2	1 1/2	"	256 1/2	Small east room.
14	18 1/2	3	6	"	26 1/2	Port to large west room.
11	8 1/2	3	6	"	12 1/2	Small - do
30	9 1/2	3	6	"	35 1/2	Small north room.
22	10 1/2	3	6	"	23 1/2	Large north room.
13	9 1/2	3	6	"	15 1/2	Small east room.
Total 117 1/2						Carried over.

166

Carried over.

*Taking
down with
the hammer
knock
out
the
square
right
half: count*

Particulars.

Robert

Arted. Wash.

10 might forward, — 337 "1

13	104	3"	6"	"	29 $\frac{11}{32}$	Joint to large center room.
26	104	3"	6"	"	13 $\frac{11}{16}$	North and east rooms.
13	104	3"	6"	"	16 $\frac{21}{32}$	South west room.
2	12	3"	7"		Total 79 $\frac{1}{2}$	acres of lot.
2	12	3"	7"		Total 394 $\frac{1}{16}$	acres of 4 parts of road on corners.

when wood might put up — @ 14 " cfr. 418 109

1	22	13	$1\frac{1}{2}$ "	"	35 $\frac{3}{4}$	West room.	
2	25	18	$1\frac{1}{2}$ "	"	11 $\frac{1}{2}$	Large north & south rooms	
1	13	9	$1\frac{1}{2}$ "	"	14 $\frac{5}{8}$	Small east room.	
1	13	13	$1\frac{1}{2}$ "	"	21 $\frac{1}{8}$	North room.	
1	9 $\frac{1}{4}$	9 $\frac{1}{4}$	$1\frac{1}{2}$ "	"	10 $\frac{1}{2}$	Small room.	
Total						67	Culture feet.

1	20 $\frac{1}{2}$ 15 $\frac{1}{4}$ 1 $\frac{1}{2}$	"	39 $\frac{1}{8}$	Large west room
1	16 $\frac{1}{4}$ 8 $\frac{3}{4}$ 1 $\frac{1}{2}$	"	17 $\frac{3}{4}$	Small do.
2	20 $\frac{1}{2}$ 9 $\frac{1}{2}$ 1 $\frac{1}{2}$	"	48 $\frac{3}{4}$	Crunkle north room.
1	20 $\frac{1}{2}$ 16 $\frac{1}{4}$ 1 $\frac{1}{2}$	"	44 $\frac{3}{8}$	Large do.
1	18 9 $\frac{1}{2}$ 1 $\frac{1}{2}$	"	21 $\frac{3}{8}$	Small east room.
			Total 169 $\frac{9}{16}$	cubic feet

1	$18\frac{1}{4} \times 10\frac{1}{4} \times 1\frac{1}{2}$	"	$4\frac{1}{8}$	Large centre room
2	$18\frac{1}{2} \times 10\frac{1}{4} \times 1\frac{1}{2}$	"	$4\frac{1}{8}$	North and east rooms.
1	$18\frac{1}{4} \times 10\frac{1}{4} \times 1\frac{1}{2}$	"	$2\frac{3}{8}$	Small west room.
Total $106\frac{1}{8}$ cubic feet.				
Total $468\frac{1}{2}$ cubic feet of planing of brook or hardwood under wood brought up @				

1	13 12 "	106 "	Bath room.
1	30 10 "	300 "	North Verandah.
1	24 7½ "	180 "	East — 00
25	10 "	250 "	Corner of North Verandah.
14	12½ "	175 "	West Verandah.
34	10½ "	357 "	North — 00 — Carried over

Ann D. 2 Malabar No 18. Dated 8 May 1875
Write Lsh.

Memorandum.

It is observed that the beams of the joists vary in length from 9 to 18 1/2 feet but that they are all of the same dimensions. Bearing braces should be constructed so as to equalize the length of bearing if the rooms are all on the ground floor & if not the scantlings should be adjusted to the length of bearing.

The D. is requested to explain why word or Kammamuruk word is used instead of Teak & if for the sake of economy in final cost, whether it is certain that the greater durability of teak would not justify its use & prove more economical in the end & what would be the addition to the cost entered.

3. It is suggested for the consideration of the D. whether the wall plates & joists should not be treated to preserve them in the damp climate of the coast.

Yr obed
Attly

Imperial Machinery - Milling - New York
 Estimate of the probable cost of replating
 iron and steel and repairing plates of office
 furniture at West Hill Island

Quantity	Particulars	Rate Per	Unit	Total
4909 3/4	Lbs. of iron or steel for of the same length and width as of the same length and width as	14 00	lb	68735 25
1080 3/4	Do of plate in Churn	14 00	wt	15120 00
17 1/2	Do of wall plates of wood brought and put up at	1 50	ft	262 50
334 1/2	Do of joist of wood or of the same length and width and put up at	1 50	ft	5017 50
468 3/4	Do of plank of wood or of the same length and width brought and put up	1 50	ft	7031 25
3947 8	Lbs. of iron or steel for replating of iron plates	10 00	lb	39478 00
247 1/2	Lbs. of iron or steel for bolting with nuts and washers	10 00	lb	2475 00
1500	Lbs. of iron or steel for bolting with nuts and washers inside	16 00	lb	24000 00
	Amalgam and Lapidary			189 12 50
	Total			27000 00

Latent
 17th Dec 1875
 Signed / Major
 Supervisor D. M.
 in charge of the
 Signed / J. D. Harris
 Offg. Supt. Malabar

Public Works Dept.
Public Works

Proceedings of the Madras Government

Under date the 18th 1875

Read the following

From

The Offg. Dist. Eng. Madras (H.C. No 18 of 5th May 1875)

do do (do 39 of 2nd June 1875)

G.O. no 1881 of 3rd July/75

The estimate
amounting to Rs 2700,
for asphaltting veran-
dahs and boarding floors
of Officers' Quarters at
West Hill, Calicut, is
sanctioned.

2. On the completion
of the improvements to
the barracks, now sanc-
tioned, the District Engineer
will reassign the rent
to

to be charged to the
 Officers provided with
 quarters in strict accord-
 ance with the General
 Order of the Govt of India
 No 400 of the 11th Decr.
 1866, circulated by
 Order of this Govt No.
 270 of the 28th Jan'y 1871.
 In the meantime the
 charges levied will
 be those approved of
 in the proceedings of
 Govt of the 24th August
 1874, viz Rs 25 and
 Rs 15 per month for
 Captains and Subalterns
 respectively.

Ames

May 25/6

To The Dist. Engr. Malabar
 " Contr. of P.W. Accounts.
 " Military Dept. 13
 GC Depd - 27-7-

No 2438

48
 4

11/12/37/2
 130
 PUBLIC WORKS.

The Dist. Engr.
 Malabar

3 July 1871
 1871

Officers Quarters at Fort
 St. Vincent, Malabar.
 The Estimate for asphalt
 Verandahs & boarding
 of - sanctioned with
 remarks.

200/2