M.R.O. 1—10,006—28-2-50.

(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. / ~~B.P. No.~~	3614	Press / ~~Mis.~~	
Dated	22-12-	1950	

Not to be folded or roughly handled

Read the following letters:—

No. 477. From T. MOSS, Esq., Controller of Public Works Accounts, to Colonel G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Madras, 1st December 1874, No. 7,738.

WITH reference to G. O., No. 3,323, of the 24th November last, I have the honor to invite attention to the Public Works Code of this Presidency, Chapter V., page 13, paragraph 2, according to which the work provided for should apparently not be treated as repairs but as new work. If this view be considered correct, I beg to suggest that the sanction of the Government of India to the increase of the grant for New Works by a reduction of the grant for Repairs be applied for.

Two Detailed Estimates.
Two Abstract do.

2. Judging, however, from the Appropriation Returns furnished to this office, the District Engineer, Malabar, is not likely to have a balance available from the Military Repair grant to meet the cost of the entire work during the current year, and if so, the Government of India could not be asked to sanction a transfer of funds except to the extent to which the transfer could be really effected, a point regarding which the District Engineer might be addressed. As regards the adjustment of cost in the next official year, I am not sure whether it is intended that payment for work done in the current year should be deferred till the following year, or that the progress of work in the current year should be so regulated as not to exceed the funds available, but I may observe that the latter arrangement would be more in accordance with rule than the former, *vide* G. O., No. 1,994, of the 23rd July 1874. Probably for a work so urgently needed, the Government of India would increase the grant for New Works under Military.

3. The estimates received with the above Government Order are herewith returned, as they are without abstracts, which alone are of use in this office. As abstracts in accordance with the existing orders of Government in the Public Works Code have been prepared in this office, I beg to enclose copies, and to suggest that Superintending and District Engineers be required to instruct Range Officers as to the proper preparation of abstracts of estimates which alone (not details) are required by Government* and in this office.

* Code, Chapter VII., paragraph 12.

No. 477A. From W. S. HARINGTON, Esq., District Engineer, Malabar, to Colonel G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Calicut, 3rd December 1874, No. 180.

ADVERTING to G. O., No. 3,323, dated 24th ultimo, I have the honor to state that from the sum of Rupees 21,000, sanctioned in G. O., No. 2,049, dated 29th July 1874, under head "Repairs Military," only Rupees 1,459 as per accompanying list are available for expenditure on this date; this sum I have reserved for any unforeseen expenditure that may be required for repairs to Military buildings for the remaining portion of the current official year. If, therefore,

no more funds can be allotted (which I earnestly hope may not be the case, as some Rupees 7,000 could be spent in this official year were funds provided,) I shall have no alternative but to include the amounts of both estimates* in my indent for 1875-76.

* *Rs.* 6,075.—Relaying the floors of the Military buildings at Calicut with timber and asphalte.
Rs. 4,800.—Do. do. at Maliapooram do. do.

No. 478. ORDER THEREON, 22nd December 1874, No. 3,614.

MILITARY WORKS, No. 15.

IT was not intended that the work should be executed as one of repair, but that a transfer to the extent of the expenditure of the current year should be proposed by the District Engineer for sanction. He now reports that there are no funds available. The work will accordingly be entered in the Budget of 1875-76.

2. It is not anticipated that an application to the Government of India for an allotment of additional funds on this account would be successful.

3. The attention of District Engineers is called to the last paragraph of the Controller's letter. Detailed estimates are not however objected to in the Government Office.

(True Extract.)

Colonel, R.E.,
Secretary to Government.

To the District Engineer, Malabar.
To all other District Engineers.
To the Controller of Public Works Accounts.
" Consulting Architect.
" Exec: Engr: Wynaad

Exd. S. T. Austin.

Spare Copies

Office of the Controller of
Public Works Accounts
Madras 1st December 1874.

№ 7738

From

The Controller of
Public Works Accounts

To

The Secretary to Government
Public Works Department
Fort St. George

Sir,

With reference to G.O. №3323 of the 24th November last I have the honor to invite attention to the Public Works Code of this Presidency Chapter V. page 13 para 2. according to which the work provided for should apparently not be treated as Repairs but as new work. If this view be considered correct, I beg to suggest that the sanction of the Government of India to the increase of the grant for new works by a reduction of the grant for Repairs, be applied for.—

2. Judging however from the Appropriation Returns furnished to this Office, the District Engineer Malabar, is not likely to have a balance available from the Military repair grant to meet the cost of the entire work during the current year and if so, the

the Government of India could not be asked to sanction a transfer of funds except to the extent to which the transfer could be really effected; a point regarding which, the District Engineer might be addressed.

As regards the adjustment of cost in the next official year: I am not sure whether it is intended that payment for work done in the current year should be deferred till the following year or that the progress of work in the current year should be so regulated as not to exceed the funds available, but I may observe that the latter arrangement would be more in accordance with rule than the former; vide G.O. No. 1994 of the 23rd July 1874. Probably for a work so urgently needed, the Government of India would increase the grant for new works under Military.—

3. The Estimates received with the above G.O. are herewith returned as they are without abstracts which alone are of use in this Office. As Abstracts in accordance with the existing orders of Government in the Public Works Code have been prepared in this Office, I beg to enclose copies and to suggest that Superintending and District Engineers be required

required to instruct Range Officers as to the proper preparation of Abstracts of Estimates which alone (not details) are required by Government and in this Office.—

Code Chapter VII para 12

I have the honor to be,
Sir,
Your most Obedient Servant,

Controller of
Public Works Accounts

P. W. 1874 Department
From No. 7541.
The Controller of
Public Works Accounts

To

The Secretary to Government
Public Works Department
Fort Saint George

Dated 1st December 1874
Rect 2nd " № 7738

States that the work of relaying the floors of the Military Buildings at Calicut and Malliapuram should, according to a Chapter of the P. W. Code, be treated as a new work, and suggests that the sanction of the India Government be obtained to the increase of the grant under that head.

No. 3614-22 Dec 74.

Feb 11-12-74 № 477

Malabar Dist. Engr's Office
№ 180. Calicut 3rd December 1874

From

The District Engineer
Malabar

To

The Secretary to Government
P. W. Department
Madras

435

Sir,

Adverting to G. O. № 3323 dated 24th Octr, I have the honor to state that from the sum of Rupees 21,000 sanctioned in G. O. № 2049 dated 29th July 1874 under head "Repairs Military", only Rs 1459 as per accompanying list are available for expenditure on this date - this sum I have reserved for any unforseen expenditure that may be required for repairs to Military buildings for the remaining portion of the current official year. If therefore no more funds can be allotted (which I earnestly hope may not be the case as Rupees 7000 could be spent in this official year were funds provided) I shall have no alternative but to

to include the amounts of both Estimates* in my Indent for 1875-76.

I have the honor to be
Sir
Your most obed.t Servant

W. Manning Low

District Engineer
Macabar

* Rs 6075 - Relaying the floors of the Military buildings at Calicut with timber & asphalt

Rs 4800 - do - do at Mallapuram

do - do -

to include the amounts of both Estimates* in my Indent for 1875-76.

* Rs 6075- Relaying the floors of the Military Lines

From 1874 Depart.
No. 807 for Dyer
To 1867.
The Dist. Engineer
Malabar

To
The Secretary to
Govt. D.P.W.
Madras

Dated 3rd Dec. 74
Recd. 5th Dec. 74

No. 180
Encls: 1

Forwarding a List shewing that only Rs 14-6 are at his disposal under "Repairs Military"

By Order
R. Sconce
Lieut.

No 4770
6th 11-12-74

Under the Orders of Lieut. Colonel Lawes Commanding Malabar Division of Sappers & Miners

List of amount allotted under head of "Military Repairs" in 1874-75-

Amount sanctioned in G.O. No. 2049 dy 29th July 1874						21,000	"	"
Deduct								
On account of West Hill Barrack rents	2,000	"	"					
Amount appropriated up to date	14,322	"	"					
Do. remains to appropriate for works estimated to cost above 600 Rs:	3,219	"	"					
						19,541	"	"
Balance available this day						1459	"	"

Calicut
3rd December 1874

W. Lawrence
(Distt. Engineer) Malabar

Tabular Number	Name of Work	Measurements. Number	Length	Breadth	Depth	Sup. Cont.	Cub. Cont.	Particulars	Rate per	Amount Article	Amount Work	Explanatory Memoranda by whom
								Brought forward.			3863.8.4½	
4		18	1	1	"		72	South end rooms bearing walls to				
4		18	¾	1	"		54	do do do				
3		22	1	1	"		66	Female Ward of Hospital				
3		22	¾	1	"		49½	do				
3		44	1	1	"		132	Mens room				
3		44	¾	1	"		99	do				
3		12	1	1	"		36	Surgery				
3		12	¾	1	"		27	do				
2		12	1	1	"		24	Dispensary				
2		12	¾	1	"		18	do				
2		12	1	1	"		24	do				
2		12	¾	1	"		18	do				
1		62½	4½	4½	"		352 31/32	Repairing basement of barrack				
1				Total			2881¾	Cubic feet of laterite in Chunam	@	14 " " 100 ft	403.55	
1								Earthwork — Excavating Foundations				
1		201	38½	¾	"		5803⅜	Main Room of Barracks				
5		201	1	1	"		1005					
1		15	6	¾	"		67½	North entrance				
2		13	1	1	"		26					

See letter from the Asst. Surgeon Madras to the Secy. to Govt. No. 870 Medical dated 5th Nov. 1874.

No. D 22 Dec. 1874
& 43 A. 477

Lieut. Murray
Executive Engineer
Sea Citadel
Pegu
15/12/74

Taken	Name of Work	Number	Measurements Length	Breadth	Depth	Qty: Cubic Feet	Particulars	Rate per	Amount Article	Amount Work
						674 3/4	Brought forward		1134 "	1133 12 7
		20	12	3"	6"	" 30	Joists for South end rooms.			
		4	19	9"	2"	" 9 1/2	Wall plates for — Do.			
							Hospital.			
		24	10	3"	6"	" 30	Joists for female ward.			
		3	22	9"	2"	" 8 1/4	Wall plates for — Do.			
		46	10	3"	6"	" 57 1/2	Joists for mens ward.			
		3	44	9"	2"	" 16 1/2	Wall plates for — Do.			
		14	10	3"	6"	" 17 1/2	Joists for Surgery.			
		3	12	9"	2"	" 4 1/2	Wall plates for — Do.			
		7	9 3/4	3"	6"	" 8 7/32	Joists for dispensary			
		2	12	9"	2"	" 3	Wall plates for — Do.			
		7	8 3/4	3"	6"	" 7 21/32	Joists for — Do.			
		2	11 3/4	9"	2"	" 2 15/15	Wall plates for — Do.			
							Total 871 5/8 Cubic feet.			
							Deduct 145 13/48			
							Net Total 725 17/48 Cubic feet of Good or Hammerdressed wood			
							Wrought and put up	@	1 4 " cft.	906 11
							Boarding.			
		1	202	40 1/2	"	8181 "	Barrack (main room).			
		1	15	6	"	90 "	North entrance of — Do.			
		2	15 1/2	12 1/2	"	387 1/2 "	North end rooms of — Do.			
		2	19 1/4	12 1/2	"	481 1/4 "	South — Do.			
							Hospital.			
		1	22 1/4	20 1/4	"	450 9/16 "	Female ward.			
		1	44 1/2	20 1/4	"	901 1/8 "	Mens Room.			
		1	12	20 1/4	"	243 "	Surgery.			
		1	11 3/4	9 3/4	"	114 7/16 "	Dispensary.			
		1	12	8 3/4	"	105 "	Ditto.			
							Total 10954 Sq: ft of planking 1 1/2 inches thick or			
							1369 1/4 Cubic feet.			
							Deduct 228 5/24 or one sixth of serviceable old planks.	@		
							Net Total 1141 1/24 Cubic feet of planking	@	1 8 " cub ft.	1711 9 "
						18 1/2	Squares Removing & Refitting one sixth of old timber with nails	@	6 " " Sqre	111 " "
							Masonry.			
		5	201	1	"	1005	Foundation to bearing walls for floor of barrack.			
		5	201	3/4	"	753 3/4	Bearing walls above. — Do.			
		2	13	1	"	26	Foundation to bearing walls for north entrance.			
		2	13	3/4	"	19 1/2	Bearing walls above. — Do.			
		4	15	1	"	60	North end rooms, bearing walls to			
		4	15	3/4	"	45	— Do. — Do.			
							Carried over			3863 " 8

Clerk of W. 18-8-74

Received 20th August 1874

Admitted & Examined Allocation

Estimates Examined & not Passed for reasons mentioned

151

Estimate of the probable cost of asphalting Verandah & Deboarding the floors of Barrack and Hospital at Mallipoorum in 4th Tier Cahuitt Range, Malabar District.

Taluq Name of work Number	Measurts. Length	Breadth	Depth	Cubic Contts	Cubic Contts	Particulars	Rate per	Amount Artizls	Amount Work.
						Asphalting.			
2	43½	8	"	696	"	Barrack Verandah.			
2	254½	8	"	4068	"	Do.			
1	32	10	"	320	"	Bath room.			
1	10¼	10	"	102½	"	Do.			
1	21¼	10	"	212½	"	Urinery.			
	Total	5399				Square feet of Asphalting ¾ inch thick	@ 20 " " Sqre	1079 12 9	
		5399				Do Repairing floor with 3 inches Jelly	@ 1 " " Do	53 15 10	
						Woodwork.			
408	10	3"	6"	"	510	Joists for main room of barrack.			
5	201	9"	2"	"	125 5/8	Wall plates for Do.			
1	5	3"	6"	"	4 3/8	Joists for north entrance.			1133 7
2	13	9"	2"	"	3¼	Wall plates for Do.			
16	12	3"	6"	"	24	Joists for north end rooms.			
4	15	9"	2"	"	7½	Wall plates Do			1134 " "
					674 3/4		Carried Over.		1133 12 7

Estimate of the probable cost of Asphalting Verandah & Deboarding floors of Barrack & Hospital.

Taluq Cahuitt Range.

Asphalting Verandah & Deboarding floors of barrack & Hospital.

Estimate for Asphalting Verandah & Deboarding floors of Barrack & Hospital at Mallipoorum in 4th Tier Cahuitt Range, Malabar District.

Estimate of the probable cost of Asphalting Verandah & Deboarding the floors of Barrack and Hospital at Mallipoorum in 4th Tier Cahuitt Range, Malabar District.

Submitted for the consideration of the Executive Engineer Malabar Division.

Calicut 18-8-74

Sd/ Thomas Jones
Sub Assistant Engineer

Examined & recommended for sanction.

Sd/ Patrick Cumming
Assistant Engineer

Examined & recommended for sanction.

Sd/ Thomas Jones
Sub Assistant Engineer

Examined & recommended for sanction. Workwork Estimate Rs 1133 12 7 Asphalting Rs 1079 12 9 Deboarding Rs 53 15 10 Requires Cumming & Verandah requires Asphalting.

Sd/ Patrick Cumming
Assistant Engineer

Examined & recommended for sanction.

Sd/ Thomas Jones
Sub Assistant Engineer

Examined & recommended for sanction

Specification to accompany Estimate for Asphalting Verandah & Rebarding the barracks & Hospital at Mallapooram in No II or Calicut Range, Malabar District.

Amount of Estimate Rs 4800—0—0

The whole of the planking having been removed, the ground below the planks to be excavated for the several depths shewn in the estimate, 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 + 10 feet apart from centre to Centre. and to have wall plates placed at top in Chunam.

The Round joists and planks selected from the existing Woodwork to be put up with new timber. The joists to be laid 2 feet apart from centre to centre and the planks nailed over. The new timber to be of well seasoned Errool or Hammanadu wood & free from cracks and flaws.

Iron grated Ventilators (12×9) to be put up in the basement of the walls for the circulation of the air beneath the boards to keep the Woodwork from Rot and decay.

The floor of all verandahs to be picked here and there, well watered, levelled and stamped over which a coat of concrete made of 1 of chunam, 2 of sand & 3 of Laterite jelly, to be laid over & over this a coat of

19

Asphalte consisting of equal parts of Asphalte and sand. ¾ inch thick

After the completion of work all rubbish thrown round the buildings to be removed and ground left clean.

Chief Superviser P.W.D.
In charge Calicut Range

No II or Calicut Range Office
Calicut 15th August 1874

Malabar District Engrs Office
Calicut 20th Augt 1874

W Stevens Low
District Engineer
Malabar.

P.W. 529/74

P.W. Dis. 2nd/74

Ex. No. 477.

In a letter from the District Engineer Malabar to the Secretary to Govt. P.W. Deptt. Madras No. 109 Dated 19th August 1874.

No. II or Calicut Range Malabar District.

Dated 15th August 1874
Received

P.W. 529/74

Estimate for Asphalting Verandah and reboarding the floors of Barracks and Hospital at Malleapo-=rum.

Estimate Rs. 4800—

Estimate & Specification for Asphalting Veranda & reboarding the floors of barracks & Hospital at Mallia-poorum.

Abstr. of Estimate Rs. 4800.

Estimate of the probable cost for Asphalting Verandah & reboarding floors at Mat. Mill Calicut.

Number	Measurement	Rate	Amount
		Asphalting	
2	43 8 1	@ 688 per Cent.	Verandah floor No. I
2	39 8 1	" 624	
1	40 20 1/2	" 1200 per Cent.	Flow No. I
"	23 16 1	" 368	do No. III
"	41 19 2	" 1558	do No. IV
"	24 15 1	" 360	do No. V
"	52 26 1	" 1352	do No. VI
"	16 9 1	" 144	Coconut Room
"	3 6 14 12	" 756	Cutcherry
			Barrack No. I
	20 12 2	" 480	Flow No. I
	30 20 2	" 1200	do No. II
			8730 Carried over.

Calicut
Reference to Executive Engineer's Estimate of Military Building, Range &c. as noted in the Calicut Cantonment.

Estimate of the probable cost for Asphalting Verandahs at Mat. Mill Calicut.

Abstract

Number	Measurement	Rate per Cent.	Amount
			Barrack No. I
2	43 8 1	@ 688	Verandah floor No. I
2	39 8 1	" 624	
1	40 20 1/2	" 1200	Flow No. I
"	23 16 1	" 368	do No. III
"	41 19 2	" 1558	do No. IV
"	24 15 1	" 360	do No. V
"	52 26 1	" 1352	do No. VI
"	16 9 1	" 144	Coconut Room
"	3 6 14 12	" 756	Cutcherry
			Barrack No. II
	20 12 2	" 480	Flow No. I
	30 20 2	" 1200	do No. II
			8730 Carried over.

Value	Name of Work	Number	Measured Length	Measured Breadth	Measured Depth	Deduct: Excep: Cubic Cubic	Particulars	Rate per	Amount Article Work	Explanation how the Measurements are taken & By whom recommended
						8730	Brought forward.			
		"	30	20	2	" 1200	Room No. III.			
		"	30	20	2	" 1200	do No. IV			
		"	20	20	2	" 800	do No. V.			
		"	20	12	2	" 480	do No. III.			
							Hospital.			
		2	20	15	2	" 1200	Rooms No. I and II.			
			20	20	2	" 800	do No. III.			
			20	10	2	" 400	Nursery.			
							Total 14810 Cubic feet or 548½ Cubic yards of Excavating foundations &c	@	" 3. cyd	102 136
							Barracks No. I.			
		2	43	9"	1½	" 96¾	Bearing walls for Verandah of Room No. I. all round.			
		2	39	9"	1½	" 87¾				
		2	23	9"	1½	" 51¾				
		2	59	9"	1½	" 132¾				
		2	41	¾	2½	" 153¾	Middle wall for — Ditto.			
		2	19	¾	2½	" 71¼	Bearing walls for Room No. III.			
		1	41	1½	2½	" 153¾	Middle wall for — Ditto			
		2	23	¾	1½	" 51¾	Bearing wall for Room No. III.			
		2	16	¾	1½	" 36				
		1	23	1½	1½	" 51¾	Middle wall for — Ditto.			
		2	24	¾	1½	" 54	Bearing wall for Room No. V.			
		2	15	¾	1½	" 33¾				
		1	24	1½	1½	" 54	Middle wall for — do			
		2	52	¾	1½	" 117	Bearing walls for Room No. VI.			
		2	26	¾	1½	" 58½				
		2	52	1½	1½	" 234	Middle wall for — Ditto			
		2	16	¾	1½	" 36	Bearing walls for Sergeants' Room.			
		2	9	¾	1½	" 20¼				
		2	36	¾	1½	" 81				
		2	14	¾	1½	" 31½	— Ditto — for Canteen.			
		1	36	1½	1½	" 81	Middle wall for Ditto.			
						2063¾	Carried over.			102 136

Salary	Name of Work	Number	Measurements: Length	Breadth	Depth	Cub: Cont.	Sub: Cont.	Particulars	Rate	Amount: Explanation, Quantity of work & Reference &c.
							206 3/4	Brought forward	per Article Work	10236
								Barrack No. II.		
		2	20	3/4	2 1/2	"	75	Bearing walls for Room No. I.		
		2	12	3/4	2 1/2	"	45			
		2	30	3/4	2 1/2	"	112 1/2	Bearing walls for Room No. II.		
		2	20	3/4	2 1/2	"	75			
		1	30	1 1/2	2 1/2	"	112 1/2	Middle wall for — Ditto.		
		2	30	3/4	2 1/2	"	112 1/2	Bearing walls for Room No. III.		
		2	20	3/4	2 1/2	"	75			
		1	30	1 1/2	2 1/2	"	112 1/2	Middle wall for — Ditto.		
		2	30	3/4	2 1/2	"	112 1/2	Bearing walls for Room No. IV.		
		2	20	3/4	2 1/2	"	75			
		1	30	1 1/2	2 1/2	"	112 1/2	Middle wall for — Ditto.		
		4	20	3/4	2 1/2	"	150	Bearing walls for Room No. V.		
		1	20	1 1/2	2 1/2	"	75	Middle wall for — Ditto.		
		2	20	3/4	2 1/2	"	75	Bearing walls for Room No. VI.		
		2	12	3/4	2	"	36			
								Carried Over		10236

Salary	Name of Work	Number	Measurements: Length	Breadth	Depth	Cub: Cont.	Sub: Cont.	Particulars	Rate	Amount: Explanation, Quantity of work & Reference &c.
								Brought forward	per Article Work	10236
								Hospital.		
		2	20	3/4	2 1/2	"	75	Bearing walls for Room No. I.		
		2	15	3/4	2 1/2	"	56 1/4			
		1	20	1 1/2	2 1/2	"	75	Middle walls for — Ditto.		
		2	20	3/4	2 1/2	"	75	Bearing walls for Room No. II.		
		2	15	3/4	2 1/2	"	56 1/4			
		1	20	1 1/2	2 1/2	"	75	Middle wall for — Ditto		
		2	20	3/4	2 1/2	"	75	Bearing walls for Room No. III.		
		2	20	3/4	2 1/2	"	75			
		1	20	1 1/2	2 1/2	"	75	Middle wall for — Ditto.		
		2	20	3/4	2 1/2	"	75	Bearing walls for Surgery.		
		2	10	3/4	2 1/2	"	37 1/2			
								Covered Drains at Verandah of Barrack No. II.		
		14	20	1 1/2	1 1/2	"	630	Front Verandah.		
		7	20	2 1/2	3/4	"	262 1/2			
		4	10	1 1/2	1 1/2	"	90	Side Verandah.		
		2	10	2 1/2	3/4	"	37 1/2			
							5189 1/4	Total Cub: ft of Laterite in Chunam	@ 14 " " 100 ft.	726 7 11

Sabbs Name of Work Number	Measmts. Length	Measmts. Breadth	Measmts. Depth	Rft. Cubic	Cubic Contents	Particulars.	Rate per	Amount.	Estimated Quantity of work to be executed by contract
						Brought forward.		82955	
						Barrack No. I			
82	8	3"	6"	"	82	Joists for Verandah of Room No. I			
164	9"	1½		"	15⅜	Wall plates on bearing walls for Do.			
20	20	3"	6"	"	50	Joists for Room No. 1			
2	40	9"	1½	"	7½	Wall plates on bearing walls for Room No. 1			
2	20	9"	1½	"	3¾				
1	40	1½	1½	"	7½				
21	19	3"	6"	"	49⅞	Joists for Room No. 4			
2	41	9"	1½	"	7 7/16	Wall plates on bearing walls of Room No. IV			
1	41	1½	1½	"	7 7/16				
2	19	9"	1½	"	3 7/16				
12	16	3"	6"	"	24	Joists for Room No. III			
2	23	9"	1½	"	4 5/16	Wall plates on bearing walls for Ditto			
2	16	9"	1½	"	3				
1	23	1½	1½	"	4 5/16				
6	15	3"	6"	"	11¼	Joists for Room No. V			
2	24	9"	1½	"	4½	Wall plates on bearing walls for Ditto			
1	24	9"	1½	"	2¼				
2	15	9"	1½	"	2 13/16				
13	26	3"	6"	"	42¼	Joists for Room No. 6			
2	52	9"	1½	"	9¾	Wall plates on bearing walls for Ditto			
1	52	1½	1½	"	9¾				
2	26	9"	1½	"	4⅞				
4	9	3"	6"	"	4½	Joists for Serjeants Room			
2	16	9"	1½	"	3	Wall plates on bearing walls for Sergeants Room			
2	9	9"	1½	"	1 11/16				
18	14	3"	6"	"	31½	Joists for Canteen			
2	36	9"	1½	"	6¾	Wall plates on bearing walls for Ditto			
1	36	1½	1½	"	6¾				
2	14	9"	1½	"	2⅝				
						Barrack No. II			
5	12	3"	6"	"	7½	Joists for Room No. I			
2	20	9"	1½	"	3¾	Wall plates on bearing walls for Ditto			
2	12	9"	1½	"	2¼				
8	20	3"	6"	"	20	Joists for Room No. II			
2	30	9"	1½	"	5⅝	Wall plates on Bearing walls			
1	30	1½	1½	"	5⅝				
2	20	9"	1½	"	3¾				
					463 5/16				
						Carried Over		82955	

Takings Nos. of pieces	Measured Length	Breadth	Depth	Sup: Cubic Contents	Cub: Contents.	Particulars	Rate per Article Work.	Amount	Explanations Quantities Prices &c when recommended
				463 5/16 ✓		Brought forward.		829 55 ✓	
8	20	3"	6"	"	20	Joists for Room No. III.			
2	30	9"	1½	"	5 5/8	Wall plates on bearing walls for Ditto.			
1	30	1½	1½	"	5 5/8				
2	20	9"	1½	"	3¾				
16	20	3"	6"	"	40	Joists for Room No. III.			
2	30	9"	1½	"	5 5/8	Wall plates on bearing walls for Ditto			
1	30	1½	1½	"	5 5/8				
2	20	9"	1½	"	3¾				
5	20	3"	6"	"	12½	Joists for Room No. V.			
4	20	9"	1½	"	7½	Wall plates on bearing walls for Ditto			
1	20	1½	1½	"	3¾				
5	12	3"	6"	"	7½ ✓	Joists for Room No. VI.			
2	20	9"	1½	"	3¾	Wall plates on bearing walls for Ditto			
2	12	9"	1½	"	2¼				
						Hospital.			
5	15	3"	6"	"	9 3/8	Joists for Room No. I.			
2	20	9"	1½	"	3¾	Wall plates on bearing walls for Ditto.			
1	20	1½	1½	"	3¾				
2	15	9	1½	"	2 13/16				

Takings Nos. of pieces	Measured Length	Breadth	Depth	Sup: Cubic Contents	Cub: Contents.	Particulars.	Rate per Article Work	Amount	Explanations Quantities Prices &c when recommended
						Brought forward.		829 55	
5	15	3"	6"	"	9 3/8	Joists for Room No. II.			
2	20	9	1½	"	3¾				
1	20	1½	1½	"	3¾	Wall plates on bearing walls for Ditto			
2	15	9"	1½	"	2 13/16				
5	15	3"	6"	"	9 3/8	Joists for Room No. III.			
2	20	9"	1½	"	3¾				
1	20	1½	1½"	"	3¾	Wall plates on bearing walls for Ditto.			
2	15	9"	1½"	"	2 13/16				
5	10	3"	6"	"	6¼	Joists for Surgery.			
12	20	9"	1½"	"	3¾				
2	10	9"	1½	"	1 7/8	Wall plates on bearing walls for Do.			
89	2½	2¼	3"	"	125 5/32	Lintels over Ventilators.			

Total 782 21/32 Cubic feet of Eroolor Harmmara-
du wood wrought and put up @ 1/4 " Sft. 97851 ✓

Carried Over 1807106 ✓

Salup	Name of Work	Number &c	Measured Length	Measured Breadth	Measured Depth	Fig: Cont:	Cal: Cont:	Particulars.	Rate per	Amount Artists Work	Amount Ex Labourers Journals &c.	Amount By whom remunerated &c.
								Brought forward		1807 106		
								Barrack No: I.				
		16	20	6"	1½	"	20	New Planks for Veranda of Room No: I				
		10	20	6"	1½	"	12½	Do: for Room No: I.				
		10	20	6"	1½	"	12½	Do: for Do: No: IV.				
		8	24	6"	1½	"	12	Do: for Do: No: III.				
		7	24	6	1½	"	10½	Do: for Do: No: V.				
		35	20	6"	1½	"	43¾	Do: for Do: No: VII.				
		5	16	6"	1½	"	5	Do: for Sergeants Room.				
		12	20	6"	1½	"	15	Do: for Canteen.				
								Barrack No: II.				
		3	20	6"	1½	"	3¾	New Planks for Room No: I				
		8	20	6"	1½	"	10	Do: for Do: No: II				
		16	20	6"	1½	"	20	Do: for Do: No: III.				
		32	20	6"	1½	"	40	Do: for Do: No: III.				
		6	20	6"	1½	"	7½	Do: for Do: No: V.				
		6	20	6"	1½	"	7½	Do: for Do: No: III.				
								Hospital.				
		5	20	6"	1½	"	10	Planks for Rooms No: I and II.				
		6	20	6"	1½	"	7½	Planks for Room No: III.				
		3	20	6"	1½	"	3¾	Do: for Surgery.				
								Total 241¼ Cubic feet of planking with 1½ inch thick planks, store nails &c. @ 1 8 " c/f. 3614 "				
								Barrack No: I.				
		2	43	8	"	688	"	Veranda of Room No: I.				
		2	39	8	"	624	"					
		"	40	20	"	800	"	Room No: I.				
		"	23	16	"	368	"	Do: No: III.				
		"	41	19	"	779	"	Do: No: IV				
		"	24	15	"	360	"	Do: No: V				
		"	52	26	"	1352	"	Do: No: VII.				
		"	16	9	"	144	"	Sergeants Room.				
		"	36	14	"	504	"	Canteen.				
								Barrack No: II.				
		2	20	12	"	480	"	Rooms No: I and VII.				
								Carried Over		21986		

Taking Measurements Number	Measurements Length	Measurements Breadth	Measurements Sq. ft.	Cub: Cont.	Cub: Cont.	Particulars.	Rate per	Amount Article Work	Explanations Quantities Prices By whom recommended
			6299			Brought forward.		216986	
3	30	20	"	1800	"	Rooms No. II, III and IV.			
	20	20	"	400	"	do No. V.			
						Hospital.			
2	20	15	"	600	"	Rooms No. I and II.			
	20	20	"	400	"	do No. III			
	20	10	"	200	"	Surgery.			
	Total	9499	Square ft or 95 squares of Removing and Relaying existing planks with Iron nails &c				@ 6 "	Rps 570 "	
	56	8	"	448	"	Verandah floor of Barrack No. I			
	49	7	"	343	"				
	52	6	"	312	"				
	42	7	"	294	"				
	40	7	"	280	"				
	60	7	"	420	"				

Taking Measurements Number	Measurements Length	Measurements Breadth	Measurements Sq. ft.	Cub: Cont.	Cub: Cont.	Particulars.	Rate per	Amount Article Work	Explanations Quantities Prices By whom recommended
						Brought Forward.		273986	
	32	7	"	224	"	Verandah floor of Barrack No. I			
	18	7	"	126	"				
	17	7	"	119	"				
	17	7	"	119	"				
	11	7	"	77	"				
	90	7	"	630	"				
	60	7	"	420	"				
2	49	10	"	980	"	Verandah floor of Barrack No. II all Round.			
2	145	20	"	5800	"				
2	100	10	"	2000	"	Main Verandah of Hospital			
2	55	10	"	1100	"				
1	100	12	"	1200	"	Verandah all Round.			
1	100	6	"	600	"				
2	55	6	"	660	"				
	33	6	"	198	"	Canteen Verandah.			
	31	6	"	186	"				
	Total	16536	Square feet or 165 3/8 Squares of Asphalting Verandah 3/4 Thick				@ 15 "	Rps 2480 10 "	
						Carried over		522026	

Sabbs	Nature & Number	Measurements Length	Breadth	Depth	Sup. Cubic Cont.	Cubic Cont.	Particulars	Rate per Article	Work	Amount	Explanatory Documents with Estimate Remarked
							Brought forward.			522026	
Total	1653 6						Square feet or 165 3/8 Squares of levelling floor and filling up holes with concrete for Asphalting.	@ 1 " " sqre		1656 "	
							Barrack No. I.				
6	" " " "						For Verandah of Room No. I.				
6	" " " "						do Room No. I.				
2	" " " "						do do No. II.				
2	" " " "						do do No. III				
4	" " " "						do do No. IV				
4	" " " "						do do No. V.				
6	" " " "						do do No. VII.				
2	" " " "						do Serjeants Room.				
5	" " " "						do Canteen.				
							Barrack No. II.				
7	" " " "						For front Side.				
							do Verandah.				
9	" " " "						do Partition Wall.				
2	" " " "						do Side Verandah.				
							Hospital.				
15	" " " "						For front rear and middle walls.				
12	" " " "						do end and partition walls.				
Total	89 " " " "						Iron Grated Ventilators (12"×9") with wooden frames, Iron gratings &c	@ 3 " " each	267 " "		
							Total			56528 6	
							Charges & Superintendence at 7½ per cent.			4227 6	
							Total Amount of Estimate Rs.			6075 " "	

No. II for Calicut Range Office
Calicut 15th August 1874

Exd
19-8-74

Malabar Dist. Engineer's Office
Calicut 20th August 1874

Chalot Superior Dt. W.
In charge Calicut Range

Dist. Engineer Malabar

Estimate of Work
done by Contractor
for the Month ending 30th June 1874

Chief Engineer's Office
Port Adelaide
30th June 1874

Sir,

I have the honor to forward herewith the Contractor's Estimate for Work done by him on the Breakwater during the month ending this day, amounting to £1,610.

I have the honor to be,
Sir,
Your obedient Servant
[illegible]

To
The Commissioner of Public Works
Adelaide

Description of Work	Unit	Quantity	Price	Amount	Quantity	Price	Amount	Quantity	Price	Amount
Excavating foundations and depositing rubble in Breakwater & channel	Cubic Yard	281	4s 6d	£63 9 6	1981	3s 6d	£347 3 6			
Quarrying Limestone in Quarry & depositing in Breakwater	Ton	2881	20.13	£2892 13 6	29.78	2s 2d	£232 0 6	7.37	16s 6d	£58 2 6
Trimming rough faced Limestone in Quarry	Cubic Yard	4114¾	1s 6d	£308 11 6	1713/4	2s 1d	£196 16 6	196¾	2s 6d	£24 12 6
Trimming Limestone in Breakwater	do	1813/4	do	196 14 "	68¾	2s 1d	£133 2 6	113/4	2s 6d	£2 19 6
Trimming and depositing Rubble Limestone in Breakwater	Cubic Yard	2607.20	1s 6d	£391 1 "	26.50	1s 6d	£39 15 "	12.20	2s 6d	£1 10 "
Trimming Limestone in Quarry	do	41.96	do	41 19 "	6.80	2s 6d	£8 10 "	22.60	2s 6d	£2 16 6
Trimming Limestone in Breakwater	do	41.96	do	41 19 "	6.80	2s 6d	£8 10 "	22.60	2s 6d	£2 16 6
Trimming Limestone in Breakwater	do	669.7	do	669 14 "	67.82	2s 6d	£8 9 "	1017.0	2s 6d	£127 2 6
Trimming Limestone in Breakwater	do	41.96	do	41 19 "	6.80	2s 6d	£8 10 "	23.60	2s 6d	£2 19

Enclosure in a letter from the Controller of P.W. Accounts to the Secretary to Government Public Works Department dated 1st December 1874

P.W. Accounts
5
Rs. 7790
Ap. 13 A.D. 1877.

Calicut Range
Malabar District
No 64 of 1874 75

Imperial Ordinary
Military
New Works

Abstract of an Estimate amounting to Rupees 4790 for Asphalting the Verandah and reboarding the floors of the Barrack and Military Hospital at Thalliaparamb.

Description of Work	Rate At	Rate Per	Barrack Quantity	Barrack Cost	Hospital Quantity	Hospital Cost	Quantity	Cost	Total Quantity	Total Cost
Excavating foundations and filling in	3	Cu. yd	272½	51 1 6	55	10 5			327½	61 6 6
Laterite in chunam in basement	14	" 100 cu. ft	20.35	284 6	8.46	118 7			29.81	402 13
Timber wrought and fixed in joists and wall plates	1	4 Cu. ft	569	711 4	156½	195 10			725½	906 14
Do. Do. Do. in boarding	1	8 " Do.	952	428 "	188	282 "			1140	1710 "
Taking up and relaying old boarding	6	" Square	15¼	91 8	3	18 "			13¼	109 8
Repairing surface with jelly for asphalting	1	" " Do.	54	54 "					54	54 "
Asphalting ¾ inch thick	20	" Do.	54	1080 "					54	1080 "
2 Low glazed ventilators (12" + 9") framed & fixed	3	" " each	28	84 "	14	42 "			42	126 "
Total				3784 3 6		866 6				4450 9 6
Petty Superviion at 2½ per cent										112 8 "
Contingencies at 5 per cent										226 11 6
									Grand Total Rs.	4790 "

Office of the Controller of P.W. Accounts
Fort St. George 1st December 1874

GD

\+ Contingencies calculated according to Chapter V para 19 of the Madras Code

Controller of P.W. Accounts

Enclosure in a letter from the Controller of P.W. Accounts to the Secy to Government P.W.D. Fort St George 1st December 1874 No 7738

P.W. 7541/74
4

P.G. Dy 22nd Dec. 1874
Ex B.A. 477.

P.W.D. 41

Proceedings of the Madras Government,

Under date the 187

Read the following:—

From
The Controller of P.W. Accts
D.E. of Malabar

(P.W. No 7738 dy 1st Dec 1874)
180 - 3? Dec.

It was not intended that the work should be treated as one of Repair, but that a transfer to the Extent of the Expenditure of the Current year should be proposed by the District Engineer for sanction. As you report that there appear no funds available to provide promptly provisable - The Estimate supplemented from work will succeed: savings in other quarters might be entertained later in the year.

Pl. Reduce to 1875-76 —

Is Supplementary Estimate posted in Estimation?

It is also hoped
[The suggestion of the
Controller] that an appli-
-cation be made to the
Govt. of India for an
allotment of additional
funds for "New Works"
[is not at present approved]

Letter noted for
Govt. 18
Govt. Order -
754 1 - 1907

[2. The Abstract Es-
-timates prepared in the
Controller's Office are
not sufficiently in detail
for the purposes of the
Government.

It is not anticipated
that an application
to the Govt of India
for an allotment of
addl funds on this
account would be
successful -
The attention of
District Engineers
is called to the last
para. of the Control-
-ler's letter. Detailed
Estimates are not
Civil 12-7-11 however directed to be

I suggested the Controller may not be necessary

I think that this requires some explanation - Why are such as will suit the Controller's Office - Why not Govt. Order only? Why deny the Executive that discretion?

[illegible]

[illegible]

[illegible]

no funds available. The work will accordingly be entered in the Budget of 1875-76.

2. It is not anticipated that an application to the Govt. of India for an allotment of additional funds on this account would be successful.

3. The attention of District Engineers is called to the last para of the Controller's letter. Detailed Estimates are not however objected to in the Govt. Office

Genl.

477-478.

District Engr. Malabar
all other Distt. Engineers
Controller
Consg. Architect
Essr. Engr. Wynaad
Despd. all 23/12/76

Copy 11-12-76

7541 / 7607

Govt. of {1874} Madras.

PUBLIC WORKS.

To

The Dist. Engineer
Malabar.

Dated

Recd. Encl. 75

G. O. 22nd Dec. 1874 No. 3614

Nos. 477-478.

Military Buildings at Calicut and Mallcà:

Program - The work of relaying the floors of the buildings with timber and asphalte to be entered in the Budget of 1875-76 — and the attention ~~of the Executive Engineer called to~~ of Executive Engineers called to the last para of the Centre

~~Re~~ letter regarding the preparation of abstracts of Estimate