M.R.O. 1—27,004—2-4-31.

(1) Number of pages _____

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public (Regl.) DEPARTMENT.

G.O. No. [illegible] Press
Mis.

Dated [illegible] 18[illegible].

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department,
13th June 1864.

No. 271. Read the following Proceedings of the Madras Government in the Military Department :—

Approving, for execution, of the Estimates amounting to Rupees 6,545 for alterations to certain Military buildings at Calicut, Malabar District. (Here enter 30th May 1864, No. 1,830.)

No. 272. ORDER THEREON, 13th June 1864, No. 1,721.

1. Communicated to the Superintending Engineer, 7th Division, who will be authorized to carry out the works referred to from the sum of Rupees 20,000 provided for in the Supplemental Budget for the Infantry Barracks at Cannanore.

2. The sanction of the Government of India will be requested for the proposed diversion of funds, in accordance with their Orders communicated in Proceedings dated 9th May 1864, No. 1,340.

(True Extract.)

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

To the Superintending Engineer, 7th Division.
„ Controller and Auditor of Public Works Accounts,
„ Accountant General.

Eid, S. T. Augustin.

Cont. Erecting Privies for Recruits Shelter, Officers Quarters	12	14		168.	Qr. Ft.	Qty of Laterite in Chunam	"		3	0	0	Qr. Ft.	55	9	7	
				68	"	Roofing with Rafters rafters Battens & Chunam Ridges	"		18	0	0	Hdd.	30	3	10	
				68	"	Flooring in Laterite in Chunam	"		10	0	0	Sqr.	6	12	10	
				600	"	Plastering with Chunam	"		2	0	0	Sqr.	12	0	0	
	6	3				1 Batten Door complete	"						13	0	0	
						1 Privy Plate	"						3	0	0	
						Excavating Foundations &c	"						1	0	0	
							Total						121	15	2	
						Superintendence & Contingencies	about						8	5	9	
							Total for one Privy									130 0 0
							Add for 2 more									260 0 0
							Total of Estimate &c									1200 0 0

Here are the Privies attached to Officers Quarters

Public Office
Calcutta
12th March 1856

W. Barley
Public Architect

Recorded Lieut Colonel
Supg Engineer 2d Div

Brigadier General
Comg. M. & Cavalry

Checked

Estimate of the probable expense of Fitting the Out Offices attached to Comm.g Offs.e &c. & Constructing a Stable for the Offs.e Comm.g the Sev.n Div.n Cabul Column

Buildings —

Cabul Column	Work	Measurements L	B	D	Sup.e Content	Cubic Content	Nature of Work	Rates	Cost of Each Artists	Work	Explanation of necessity &c	Qty & hour recommended
							Fitting Out Offices of Comm.g Offs.e &c. West Hill Cabul —					
		53	25		1325		Fitting Cookroom & Godown					
		12	14		168		— " — Privy					
			Total		1493		Cost of Fitting with Rafters, Reepers, Pantiles & Chunam Ridge	@ Rs 18 0 0 Sq.t	268 11 10			
		18	1'	9"		52-0-0	4 Beams for Roof					
		6	9"	6"		9-0-3	4 King Posts					
		32	8"	5"		8-10-8	Ridge Beam					
		136	5"	3"		15-10-0	Wall Plates					
			Total			87-8-8	Cost of Woodwork wrought & put up	@ Rs 1 2 0 Sq.t	98 11 0			
							Total		367 10			
							Superintendence & Sundries	about 10 0 0 p.ch	32 9 2			
							Total for Fitting out offices			400 0 0		
							Constructing a Stable for Comm.g Offs.e West Hill Cabul —					
		58¾	2¼	3½		462-2	Foundation & Basement to Walls					
		5¼	2¼	3½		41-4	" " " " 2 Pillars					
		48¼	1½	11		796-1	Walls above & Centre Pillar					
		17½	1½	7		141-9	Verandah End Walls above & Centre Pillar					
		12	1½	2		36-0	2 " Gables					
		26	1½	2		78-0	2 End "					
			Total			1555-4	Cost of Laterite in Chunam	@ Rs 13 0 0 Sq.t	202 31			
		24	27½		660		Cost of Roofing with Rafters, Reepers, Pantiles & Chunam Ridges	" " 18 0 "	118 20			
					350		" " " Flooring with pillis in Clay	" " 1 0 0 "	3 80			
							Excavating Foundations &c	"	4 0 0			
							Carried forward		328 11 10	400 0 0		

Cabul

Estimate and Plan of Buildings to be erected for the Accommodation of Offs.e Guards West Hill Cabul & Constructing a Stable

Sketch

Calicut

Surveyed Necessary Alterations

Estimate of the Probable Expence of Improving the 41st Regts Quarters and Out Offices, and Constructing Service for Assistant Surgeons and Subaltern Officers Quarters at Mt Eliott, Calicut

Work	Measurements			Sup. Contents	Cubic Contents	Nature of Work	Rates	Amt of Work Executed	Amt of Work Done	Explanation of Necessity &c	Authority for Execution
						41st Regt Surgeons Quarters					
	119½	3/4	9½		857-5	Enclosing Bank & Fill Verandahs					
	22¼	2¼	3		157-10	Foundation & Basement for Pillars of Outer Verandah					
	15	1½	6½		146-3	Pillars above of Outer Verandah					
	50	1/4	3/4		121-10	Gables of Verandah Cross Walls					
	14	5/4	4		294-0	Steps					
				Total	1565-5						
						Deduct 2×7×4×3/4 + 3×6×3×3/4 + 4×4½×3/4×1/4					
					143-3	+2×3×3×3/4					
					1422-2						
	104	7½		802-6		Cleft of Roofing with Rafters Purlins Battens & Cheenam					
						Sadge	" 1800	144 72			
						Cleft of Woodwork for Breasummers	" 120	32 20			
						Cleft of Flooring with Cheenam	" 200	38 00			
	117½	5	7	1900		Cleft of Plastering with Cheenam					
						2 Half Pannelled Half Venetian Doors	" 2000	Each 40 00			
	7	4				Frames &c Complete	" 1500	64 00			
						4 Do Do	"	18 00			
	6	3				1 Do instead of Window of Land Room	" 480	18 72			
	6	3½				4 Frames for Venetian Windows					
	4½	3½				4 Pair of Glazed Shutters for French Windows					
	4½	3½				instead of present Venetian shutters	" 1200	" 48 00			
						2 Glazed Windows with Frames &c Complete	" 800	16 00			
	3	3					" 300	Each 33 82			
				1117		Cleft of Flooring with Cheenam	" 150	" 9 11½			
				645		Pointing Exterior Floor of Verandah	" 100	" 5 4½			
				530		Flooring outer Verandah with Jelly					
						Carried forward		651 15½			

The Work of the Building to be Executed to the Land Wards Part the Building to be Executed of no Leasy Necessity

Supdg Engr 7th Division

Measurements

Class	Sub	Measurements 2	3	D	Rifle Contract	Public Contract
		46	5"	7"		
		23	5"	5"		11-2-2
						2-6-5
				Total		13-8-11

Nature of Work

Woodwork

Carried over

Measurement

Add Part

Cost of Woodwork brought from Part

Total

Superintendence & Charges

Total for Woodwork

Reduced Value of Materials & old Woodwork &c

Balance for Woodwork

Total of Estimate

Rate

Cost of Work

Actuals

Work

Captain's Measurement &c

Ry. Inspector's Measurement &c

Ordnance Office
Southampton
14th March 1854

Approved
Master Gunner

Approved
Master Gunner & Inspector

Approved
Director of Ordnance

Approved
Surveyor General of Ordnance

Approved
Principal Storekeeper

Approved
Comptroller

Approved
Secretary

Approved
Master General & Board

97

No 3

Re. Repairs of 1865.

12th Class &c

Estimate Flooring Hospital
Camp of Queen's Battalion
Left wing Quarantine Station
Quarantine 1st Dec 700-0-0

Barrack Stores Cable

Estimate of the probable Expence of Flooring the Hospital for the European Detachment at West Bell's Cabinet

No. 3

Public Buildings

Estimate of the probable Expence of Flooring the Hospital for the European Detachment at West Bell's Cabinet

Island	Work	Measurements L	B	D	Sup. Content	Cubic Content	Nature of Work	Rate	Cost of Each Article	Work	Explanation if necessary &c	Signature Recommended
Cabinet	Flooring the European Hospital, Westbells						— Planked Flooring to Rooms —					
		1210	3"	6"		153-9-0	60 Joists each 20½ ft long					
		134	20	1½		335-0-0	Planking					
				Total		488-9-0	Cost of Woodwork wrought & put up	a 1 6 0	1/2	872 5 5		
		134	1½	1½		301-6	Laterite in Chunam under Centre of Joists	b 1 3 0	7/8	393 1		
							— Laterite Flooring —					
		145½	20		2930		Front Verandah					
		145	10		1450		Back "					
		136	10		1360		— " —					
		46	10		460		2 End Verandahs					
				Total	6200	Cost of	Flooring with picked Laterite on edge in Chunam	d 1 2 0	2/3	7440		
							Total			14553 7		
							Superintendence &c thereon	about 10 00	per cent	1441 2 5		
									Total of Estimate Rs	16000 0		

Public Engineers Office.
Tambachetty.
14th March 1864.

Lieut Col R.E.

Chief Engineer

Checked

W. Bailey
Public Engr. Malacca

No 4

Mr Parkes

Mr Jackson

Estimate & Field sketch of Stables & Carriage Barracks for Horse Artillery

Stables Buildings

Estimate of the probable expense of giving a Tiled Roof to the Carriage Barracks for part instead of the present Thatched Roof

Sketch	Work	Measurements			Cubic Contents	Cubic Contents	Nature of Work		Rates		Amount of Each Article		Amount of Each Item	Explanation of Measurements	Explanation of Measurements &c
	Taking up & Tiled over the Stables & Carriage Barracks for Horse Artillery	105½	2¼	3		713-3	Foundation Trench 4 47 Pillars								
		301	1½	1½		677-3	" — to retaining Wall between Pillars								
		201	¾	1		225-9	Basement — " — " — " — " —								
		70½	1½	8		846-0	47 Pillars above								
						120-0	Ditto								
				1/48		2582-8½	Carr[d] f[or]ward to Abstract								
		112	11		45-3/12	24½ sf	Carting into Ruffles, Ridges Hollows & Abutment Ridges		17	00	7	72 23			Sub Engineer 7th Division
		121	7	8		140-4	Carr[d] of Boarding for Measurements		1	00	4	140 54			
					2200	22[illegible] sf	Covering with Tiles & fitting		1	00	1/2	22 00			
							Whitewashing					5 00			
							Excavating Foundation & filling					30 00			
							Reducing 10 Pairs of Door Shutters		2	00	Each	20 00			
								Total				315 33			
							Superintendence & Contingencies	about	10	00	Each	134 67			
													450 00		

Total of Estimate £ 450 0 0

Public Works Office
Calcutta
8th March 1864

H. Harley
Public Works Office

Lieut Colonel Superintending Engineer

Brigr General Commanding Engineer

Lieut Colonel
Engr & Surveyor 7th Division

Checked J.W.R.

No 3

W. 24595/64

M. D. No 2408 of 1864.

Giving a Titled address of the
Chatteris Verandah to European
Barracks Cabinet &c &c
£1450-0-0

Log No 4992

No. 2 Repairs of Barracks

Key Plans

Estimate of the probable Expence of [illegible] Work for Carpenters Establishment at Colaba

Measurements									
Estimate No.	Work	Nature of Work	£	ft	In	Cubic Contents	Rate	Amount	Observations
Casteels	Fixing a Half Panelled Half Glazed Door with Fastenings complete	1 Half Panelled Half Glazed Door with Fastenings complete	1	10			25 00		The Surgeon in charge has stated that many of the sick of Habitation the Prisoners are likely to be unhealthy for Reasons
		1 Glazed Ventilator over the Door with Frame, Iron Bars &c complete	8	3			25 00		
		Total					50 00		
		Superintendence & Contingencies					at 10 0 0 per cent	5 00	
							Total of Estimate £	55 00	

Public Works Office
Colaba
10th March 1864

W. Bailey
Public Works Estabt

Lieut Colonel Gillespie Dirg. General
Comd Malabar & Canara

Lieut & Adjt RE
Assistant
Dirg Engineer 1st Div

Checked R.C.

Rec'd 29 Sept 1864

No 1

Copy a Map of Ground round West Hill Barracks Calicut

Copy of Map received with Letter from Superintending Engineer 7th Division, Coonoor, dated 26th April 1864, No. 286.

Copy of Letter from Superintending Engineer 7th Division, Coonoor, dated 26th April 1864, No. 286, to the Quarter Master General, Fort Saint George.

Copy of Memorandum from the Quarter Master General, Fort Saint George, dated 14th May 1864, No. 4877, to the Secretary to Government, Military Department.

Copy of Letter from Secretary to Government, Military Department, dated 19th May 1864, No. 1922, to the Superintending Engineer 7th Division, Coonoor.

19

MILITARY DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following papers:—

Memorandum from the Quarter Master General, Fort Saint George, 14th May 1864, *No.* 4877; *to the Secretary to Government, Military Department.*

Forwarded to Government with the recommendation of His Excellency the Commander-in-Chief.

From the Superintending Engineer 7th Division, Coonoor, 26th April 1864, *No.* 286; *to the Quarter Master General, Fort Saint George.*

Frequent requisitions for alterations to the Military Buildings at Calicut, based on representations such as the two herewith forwarded, having been made subsequently to the visit of His Excellency the Commander-in-Chief, I took advantage of the opportunities of being at Calicut, at the end of January and again in the second week of March, to go into the whole subject thoroughly in company with the Officer Commanding the Detachment and the Sub-Engineer in Executive charge of the Range.

I have now the honor to submit, for your disposal, the undermentioned Estimates, *viz*:—

1.	Ventilating the Prison-room	Rs. 55
2.	New Cook-rooms with Plan	„ 1,540
3.	Tiled Verandah to the Barracks	„ 1,450
4.	New flooring to Hospital	„ 1,600
5.	Tiling out-offices, and providing Stables for Commanding Officer's Quarters, with Plan	„ 700
6.	Improving Staff Surgeon's and Officer's Quarters, with Plan	„ 1,200
	Total Rupees	6,545

Item No. 1.—Requires no remark.

Item No. 2.—Is much needed in substitution of two existing Buildings used for cooking, but singularly ill-adapted for the purpose; and the removal of which, and of a Wash-house and Store-room, (now superseded), will very much open up the back of the Barracks and afford a good site for the new structure.

Item No. 3.—The West Hill Barracks were originally a private Bungalow, as is well known; and round most of it, owing either to scanty width or entire want of Verandahs, or to excessive height of their pillars, it has become necessary to throw out thatched Chuppers, of very unsightly appearance, liable to catch fire, and requiring renewal before and after each monsoon. It is proposed to re-place this thatch with tiles, throughout.

Item No. 4.—The advantage of re-placing the Chunam flooring of the Hospital with planking in the rooms, and laterite stone in the Verandahs, is obvious.

Item No. 5.—So is that of substituting tiles for thatch to the Godowns of the Commanding Officer's Quarters. There is no Stabling attached to those Quarters, but some way outside the Military limits is a large Shed used for the purpose, too large for it, too expensive to repair, and harbouring Camp Followers who had better be elsewhere; especially as the little compound contains the drinking water Well for the Detachment, and should be kept very clean. A new Stable, near the Quarters had better be built, the materials of the old Shed being availed of to the utmost.

Item No. 6.—The alterations proposed to the Staff Surgeon's Quarters, as shewn in the Plan, will fully double the accommodation and make the house, if necessary, available as a married Quarter or for two bachelors.

Application has been made to the Supreme Government for a supplementary sanction of Rupees 20,000 in addition to the Budget sanction of the same amount; for additions to the Infantry Barracks at Cannanore. It is impossible that the whole amount can be spent in 1864-65 at Cannanore, in addition to other large Military sanctions; nor is the whole amount

wanted, a separate Budget sanction of Rupees 19,700 having been granted for the School-room, which is one of the principal additions contemplated. Should therefore these Estimates meet with the approval of His Excellency the Commander-in-Chief, I would suggest a transfer of funds to the necessary amount being made from Military Buildings, Cannanore, to Military Buildings, Calicut.

In bringing forward these Estimates as I have done, I may have deviated from the course pointed out in your letter to Government, No. 5260 of 23rd June 1863, printed with Order, No. 1721 of 30th idem. I believe His Excellency's wishes, as regards the preparation and submission of Estimates after due authorization at Head Quarters, will be better realized by reiteration of his orders on the subject to Divisional Commanders rather than to Superintending Engineers. I have, in this instance, endeavoured to get credit for courtesy and attention to the wishes of Officers in Military Command, as well as to perfect the accommodation afforded to Officers and Soldiers at Calicut; and trust that such motives will effectually plead my excuse for any informality of which I have been guilty.

Memorandum from the Quarter Master General, Fort Saint George, 2nd May 1864, *No.* 4456; *to the Officer Commanding Mysore Division.*

Forwarded to the Officer Commanding Mysore Division, for approval, and re-transmission to Head Quarters *at an early date.*

2. The deviation in the channel of correspondence will be noticed hereafter.

ORDER, No 1830, 30*th May* 1864.

Approved for execution.

(True Extract.)

D Hamilton Actg

Deputy Secretary to Government.

To the Quarter Master General.
" Public Works Dept., with 9 enclosures. 1 Postage Office

Exd. R. Stephenson.

30th June 1863 - 685-684

Ch: Engr & Supt
Cantonments Punjab
No 2199

Plans & Sections in the
Military Office

Dated 30th May
Rec'd 6th June 1864

No 1830

Approving of
Execution, of the Estimated
amounting to Rs 6545 for
alterations to certain Sub
Buildings at Subathu, details
&c &c

Nos 271 & 272

Chs Nos 1721-&1722-13th June 1864.

William Baker

No 87

8th June 1864 - 82-10th

No 1721-

Communicated to the
Superintending Engineer Punjab
who will be authorized to carry out
the works referred to from the sum
of Rupees 20,000 provided for in the
Supplemental Budget for the Infantry
Barracks at Cannanore.

The sanction of the
Government of India will be
requested for the proposed diver-
sion of funds, in accordance with
their orders communicated in Pol
dated 9th May 1861 No 1340.

Chepauk
13th June 1864

To The Supt Engr Punjab
" Cont & Audr of P.W. Accts
" Accountant General

Dacca 14th June