M.R.O. 1—10,006—28-2-60.

(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.~~	2540	Press / ~~Mis.~~
Dated	8 - 9 -	1974 / ~~195~~

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department, 8th September 1874.

No. 150. Read the following letter from Colonel E. A. FOORD, R.E., Inspecting Engineer for Civil and Military Buildings, to Colonel G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Chepauk, 28th May 1874, No. 757:—

WITH reference to the Order of Government of the 28th October 1873, No. 2,633, I have the honor to forward for sanction an estimate of Rs. 21,515, for building a Canteen on the standard plan for the European Regiment at Cannanore.

1 Plan.
1 Abstract estimate.
1 Detailed do.
1 Specification.

2. The estimate originally amounted to 20,000 Rupees, and the increase is due chiefly to the addition of the end verandah and to some corrections made in the estimate. The attention of the District Engineer has been called to the scantlings of some of the roof timbers.

3. No comparison can be made between the estimates for this canteen and the one lately sanctioned for the European Regiment at Bangalore, as in the latter case the standard plan has not been adopted.

No. 151. ORDER THEREON, 8th September 1874, No. 2,540.

MILITARY WORKS, No. 7.

SANCTIONED for entry in the Budget of 1875-76, there being no funds available in the current year.

(True Extract.)

Colonel, R.E.,
Secretary to Government.

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

Ext. T. O'Connor.
Spare Copies

No. 757

Office of the Inspecting Engineer
for Civil and Military Buildings,
Chepauk, 25 May 1874.

From

The INSPECTING ENGINEER
for CIVIL and MILITARY BUILDINGS,

To

The Secretary to Government
Public Works Department

Sir,

With reference to the order of Government of the 20th October 1873, No. 2033, I have the honor to forward for sanction an estimate of Rs. 21,515, for building a canteen on the Standard plan for the European Regiment at Cannanore.

2 The estimate originally amounted to 20,000 Rupees and the increase is due chiefly to the addition of the end verandah and to some corrections made in the estimate. The attention of the District Engineer has been called to the scantlings of some of the roof timbers.

3 No comparison can be made between the estimates for this canteen and the one lately sanctioned for the European Regiment at Bangalore, as in

the latter case the standard plan has not been adopted.-

I have the honor to be,
Sir,
Your most Obed. Servt

E A Inwd Colonel R.E.,
Inspecting Engineer for
Civil & Mily. Buildings

The Upper ends of the Common Rafters in Centre of main Building to be notched half an Inch each & nailed together where they cross the Ridge beam. the ends being prolonged so as to form a support for the Ridge Ventilator as shewn in Plan.

The Floor to be of Cuddapah plate 2 Inches thick & bedded in Chunam over a levelling Course of Laterite stone in the flat land in Chunam.

The surface of steps to be faced with the same stone.

Cut granite stones to be given under the ends of the Tiebeams for wallplates.

The straps for the King posts to be of 2" x ½" Iron fastened with 2 Bolts each strap, and the ends of the principal Rafters to be bolted with ¾ Inch Iron Bolts passing through the principal Rafter & the Tiebeams.

The woodwork of Roof to be either Sprool, Oorroopoo or Kurrainurtha

The Door frames to be of Sprool 5" x 4", for Window of same Timber 4 x 4

984
12-5-73

Specification for Constructing a Canteen for the Regiment of European Infantry at Cannanore.

Excavation for Foundations to be 4 ft deep, and to be cut in steps equal to the depth of one course of stone at bottom if the level of the ground makes it necessary.

The Foundations to be 3¾ ft wide for 2 ft in height and then 3 ft for the remaining 2 ft an offset of 4½ Inches being formed on each side, and to be constructed of Laterite stone in Chunam.

The Basement & Walls above to be of the same materials, the outside of the Basement and the Walls above being plastered with one coat of Chunam Plaster.

The Roof to be of King post Spruces, Ridge Beam, Purlins, Wall plates, Rafters 2 ft apart from Centre to Centre, Reepers 2" × 1" three Inches apart nailed to each Rafter and double Pantiles with Mangalore Ridge Tile Ridges.

The Rafters to be notched half an Inch over the Purlins and the Purlins to be notched half an Inch and sunk half an Inch into the Principal Rafters.

The Upper ends of the Common Rafters in Centre of main Building to be notched half an Inch each & nailed together where they cross the Ridge beam, the ends being prolonged so as to form a support for the Ridge Ventilator as shewn in Plan.

The Floor to be of Cuddapah slate 2 Inches thick & bedded in Chunam over a levelling Course of Laterite stone in the flat laid in Chunam.

The surface of steps to be faced with the same slate.

Cut granite stones to be given under the ends of the Tirbeams for wallplates

The straps for the King posts to be of 2' × ½" Iron fastened with 2 Bolts each strap, and the ends of the principal Rafters to be bolted with ¾" Inch Iron Bolts passing through the principal Rafter & the Tirbeams.

The woodwork of Roof to be either Sprool, Oorroopoo or Vuvamurtha.

The Door frames to be of Sprool 5" × 4", for Window of same Timber 4" × 4"

Public Works Department
No. 3718 Dated 31st Dec. 1873

From

The Inspecting Engineer
for Buildings,

To

The Secy to Govt
P.W. Dept

Recd. 2540. 8-5-74.

Dated 28 Dec 1874.
Recvd. 29 " "

Forwards for
Sanction an Estimate
Rs 2,21,515/5/5 for
erecting a Canteen
for the European
Regt at Cannanore
in Malabar Distt.

Ans 150

Copied

The Frames of the outer Doors for Privates Room, Canteen Room, Serjeant's Gds & Corporals Room to be 10 × 4½ the upper 2 ft being formed into spaces for Ventilators by putting Cross Bars 5" × 4" across

The Ventilators to be pivotted on Iron pivots let into Iron plates screwed to the Frames at each side, the plates & Frames having a Channel cut in them to allow of the Ventilators being removed when necessary.

Ropes for opening & closing the Ventilators to be given & Wooden Pegs fixed into the wall at 7 ft from the floor for fastening the Ropes to.

The Ventilators to be of Teak wood glazed.

The Doors to open outside & to be of Teak wood half Panelled Half-Venetian in halves and to be fitted with Iron H. Hinges the Centre Bar of which will be sufficiently long to allow of the Doors opening back against the wall, Iron Buttons for keeping them open being fitted on an Iron Pivot let into a block of Timber built into the wall.

Each of the Doors to have 2 eight Inches Iron Bolts and one Door of the Privates one of the Corporals & the front Door of the Serjeants Room to be fitted with Iron Cross Bolts with Padlock & Key to fasten them on the outside.

The Framing & Panelling of Doors to be 1½ Inches Venetians half an Inch thick.

The Venetian Hasps & Hooks to be of Copper

The Frames of Doors of Beer Room to be 10 × 5 the upper 2 ft being made into a Ventilator by a cross Bar

These Ventilators to be grated with 9 one Inch diameter Iron Bars let 2 Inches into the top & bottom Frames.

The Doors to be in halves Batten of Iprool & Kurramurtha and to be fitted with 3 Iron Hooks & hinges to each half, Iron Cross Bars 2" × 1" for fastening the doors being Pivotted on one side to the Frame by a half Inch Iron Bolt with head & nut the other end being made to fit over a staple let into the Frame on the opposite side & to be fastened by a Padlock & Key.

The Door from the Beer Room to that in which the counter is placed and the outer Doors of Room for small stores to be Batten in halves Hinged & bolted the same as above.

The Remainder of the Doors in the Building to be Batten in halves, fitted with Iron Hooks & Hinges & 2 eight Inches Iron Bolts to each.

The Shutter for Bar window to be Batten Hinged at bottom so as to form a small Counter when open and to have Iron Hooks & Hinges & a small Iron Cross Bolt with Padlock & Key to fasten it.

A Covered passage 100 feet long as per Plan to run from the Center of the new Barracks to the Canteen this Passage being Constructed from the Material of the passage to the present Canteen.

The Canteen to lie built 100 ft to the South of the new Barracks the seaward end of the new Barracks & of the Canteen being in line.

The Filling in of Basement to be well watered & rammed before laying the floor.

Old Canteen to be dismantled & the Materials used in Constructing the new Canteen, only the stone and Tiles will be available, as the Wood work of the Roof will not suit the new Building and the Rafters & Doors would not be worth putting into it

The Legs & Frame of Counter to be of Iprool 2" × 2" the top to be of Spruce 1½ Inch thick

Rubbish to be cleared away on completion of the Building.

W. Hailey Captain
Assistant Engineer Inclosure

Cannanga Range Office
28 April 1873

W. Hailey Capt.
A.G. D.C. Engrs Inclosed

In a letter from the Asst
Engr to the Quarter Master
General of the Army
No 132 of 1st May 1873.

W.D.
Ltr No 2584 of 1873.
QMG. 5443/73
1

Specification for Cots &
a Cantine for the use of
European Regiment at
Cawnpore

Dep No 4455
1835

Malabar District.

Enclosure in a Letter
No. 757 dated 28 May/74.

Rg. d 8 sept/74
2m 85 No. 1150.

M. 3183/74

Specification Report to accompany Estimate for constructing a Canteen for the Regiment of European Infantry at Cannanore

Estimate Rs. 21515
29,000.

Lieut Revell
1835

Estimate of the probable expense of constructing a Cantern for the Regiment of European Infantry at Cawnpore.

Taken from Rough Book	Measurement L	B	D	Superl. Content	Cubl. Contents	Nature of work	Rate	Amount of each Article	Amount of each Work	Explanation of the necessity of work	Whether Recommended.
					14078-9¼						
	~~991~~ 1042	3⅜	4		13378-6	Foundations to walls					
	~~455~~ 525	2	1		1050 ~~994~~-6	—— " —— " steps					
	24	6	1		144-0	—— " —— " Ramps					
	526½	2½	2¼		2654-0	Basement to Inner walls & cross walls					
	~~526~~ 526	~~4~~ 2¼	2		2369-3 2140-9	—— " —— to Verandahs & cross walls in Verandahs					
	~~452~~ 452	2	2		1026 ~~905~~-6	Steps					
	24	6	1		144-0	Ramps					
	528	1½	18½		14652-0	Main walls above					
	108	1½	4½		729-0	Gables to Do.					
	~~528~~ 528	1½	11½		9168 ~~8265~~-6	Verandah walls & cross walls					
	~~47~~ 47	1½	3½		105 ~~266~~-9	—— " Gables					
					~~44161-3~~ 46305-3						
						Deduct					
					1552-6	23×10×4½×1½ Doors					
					236-3	5×7×4½×1½ —— " ——					
					150-0	2×10×5×1½ —— " ——					
					168-0	4×7×4×1½ —— " ——					
					13-6	1×3×3×1½ Bar Windows					
					7025 ~~1890~~-0	25×9×5×1½					
					11 11 4½ ~~305~~-11	28×9×4½×1½×7854 ÷ 2 ÷ 144 ×30					Front & rear
					~~105-6~~ 105-0	2×5×7½×1½					archways
					~~24-3~~ 24-0	2×5×4½×1½×7854 ÷ 2 ÷ 144 ×30					
					~~644~~ 644-0	10×7×6×1½					End do.
					~~22-2~~ 22-0	2×7×5×1½×1½×7854 ÷ 2 ÷ 144 ×30					
					1039-6	28×4½×1½×1½					Arches for Verandahs
					210-0	7×13½×1½×1½					
					45-9	2×10⅛×1½×1½					
					389-9¾	28 ~~33~~ ×5¼×1½×1½					Flat arches over
					42-9	4×4¾×1½×1½					Doors & Bar
					25-10½	2×5¾×1½×1½					
					9-0	1×4×1½×1½					
					345-6½	28 ~~30~~ ×9×1½×¾					Relieving arches
					38-3	4×8½×1½×¾					over Doors
					22-6	2×10×1½×¾					
					72-0	24×6×½					Cut stone facing for Ramps
					8357-11¾ 8701-1						
					37359-0 35809-6½	Cft. of Laterite in Chunam	18	" " 100 Cft	67249 11 6445 11 5		
					2070 2168-9¾	Cft. of Laterite in Chunam for arches including Centering	24	" " "	480 530-8-3		
						Woodwork					
					1175-0-0						
24	8"	10"			165-0-0	13 Tiebeams each					
8¼	8"	10"			51-7-0	13 Kingposts "					
14⅓	5"	6"			30-5-0	26 Principal Rafters each					
6.5	4"	4"			74-7-3 ~~65-8-4~~	22					
157	6"	9"			13-9-4 ~~15-8-3~~	26 22 Struts "					
362	5"	8"			58-9-1	Ridge Beam					
					100-6-8	Purlins					
					~~456-1-3~~ 510-3-9						
						Carried forward			~~7376 3 8~~ 42049 11		

Cawnpore 1st Comp

Constructing a Cantern for the Regiment of European Infantry

Estimate No. 10/12 dated 25th March 1875.

				Brot fo				17333 15 2 / 17955 2 4
				to allow of the Doors folding back Against the wall outside & Iron Bolts Complete	60	" "	Each	1380 " "
10	5			2 Teakwood Batten Doors for Beer store upper 2 ft to be a fixed Iron Grating Grated with 9 Iron Bars 1 Inch thick with Frames & Cross Bar 5"×6", and Iron Hooks & Hinges & Iron Cross Bar 5×1" pivotted to Frame, at one end & fastening over a staple at the other with Locks & Key	50	" "	"	100 " "
7	4½			5 Teakwood Batten Doors with Frames, Iron Hooks & Hinges & Iron Bolts Complete	31	8 "	"	157 8 "
				4 Teakwood Do. " Do.	28	" "	"	112 " "
7	4			1 Teakwood Batten Window shutter				
3	3			with Frames Iron Hooks & Hinges & Iron Bolts Complete	12	" "	"	12 " "
				Excavating foundations & filling Basement		" 8 "	Cft	75 " "
33½	2	33½	1	Cft of Counter				16 12 "
				Total				2 4308 6 4 / 117 2 10 / 1951 9 6
				Superintendence & Sundries	10	" "	Rs	23305 " "
				Total for Canteen				2 1790 " "
				Covered Passage 100 ft long from Center of Iron Barracks to Canteen				
36	2½	3		213 0 Foundations & Basement & 16 Pillars				
24	1½	7		252 0 16 Pillars above				
				28×9×1½×1½×7854 / 1305 11				Print & rear
				975 0 Cft of Laterite Stone of old Covered passage	10	" "	100 ft	49 8 "
96	7	672		Pillars				
200	1	200		Basement				
		872		Cft of Chunam Plastering	2	8 "	Sqe	21 12 10
100	14½	1450		Sqft of Roofing with Frame, King posts Ridge Beams Pressummers Rafters, Rafters, Cleats & Single Partables using				
				Materials of old Passage	10	" "	"	145 " "
100	9	900		Sqft of Flooring with Laterite gravel well watered & Rammed	2	" "	"	18 " "
				Excavating Foundation & filling Basement				5 " "
				Total				239 4 10
				Superintendence & Sundries	10	" "	Rs	24 11 2
				Total for Covered Passage				264 " "
				Total of Estimate				23569 " " / 22064 " "
				Deduct Value of old Materials of present Canteen				2054 " "
				Balance of Estimate Rupees				20,000 " " / 21515 " "

W. Tickell Brigadier General
Commanding Malabar & Canara

Cannanore Range Office
28 April 1873.

A. Bailey Capt.
a.g. D.I. Engr Malabar D.

A. Bailey Captain
Assistant Engineer Malabar

P. W. D.

From the Superg. for Buildings
H.S. No. 757 of 28th May 1874
Submitting for sanction
Sanctioned for sanction
to the Budget of 1875-76.
to the Budget of 1875-76.
Plans being ... Mr. Lunn's
memorandum ... Mr. Lunn
: recd. 29th ...
Lunn
28.8.74.

Mr. Hubback
Col. Wilkinson
Mr. Stokes
Lt. Col. Nepean 14/9/74.

Please return
to Bungalow -
ing transfer of funds
will be made by adjt

P. W. D.

Proceedings of the Madras Government,

~~Under date the~~ 187—:

Read the following:—

From The Inspector General of Hospitals for Buildings (No. C. No 757 dated 28 day May 1874)

Sanctioned. And as it is desirable that the work should be completed, and the old canteen removed as soon as possible for the better ventilation of the Military Buildings at Cannanore the following transfer of funds will be made to allow of

Should not this commencement delay the commencement of this work - but should it not have been built to have allotted the ~~Rs~~ Rs on the 1st Feb for this purpose which should have been sanctioned for Bangalore -?

150-151

Rd 30/8/74

Sub 2nd May

3183

of its early commence-
-ment viz:

From ~~Budget Item No. 9 Rs. 8,400~~
" Reserve "Military" ~~3,600~~
~~12,000~~ 9500-
G.M.V.

Note.

On sending for copy of the Plan adopted at Banga-
-lore it was found impossi-
-ble to the West Coast; and H.E. the C.in.C. with-
-drew his req-
-uisition in this particular case, requesting that it might be borne in mind with reference to other Stations -

The Reserve amo-
-unting as to Rs 9387, ~~Rs 9600~~ has been therein
~~only entitled~~ appr-
-opriated -
Cantt 5th June/74

H.E. the Com.in Chief
20-7-74

With reference to remarks by H.E. the Com.in Chief on the accompanying Draft Order, the under-signed has the honour respectfully to represent that the object of adopt-ting the improvements in the elevation of the new Infantry Canteen at Bangalore was to assimilate it to the elevation of the Cavalry Building at that Station, & to preclude the draining of inidious compounds - and that the improvement on the Standard Plan

of its early commence-
-ment viz:

From Bu
a Rec

were not adduced for
general adoption -
It is a little doubtful
whether the same ele-
:vation would suit for
the West Coast as for
Bangalore - and the
Secretary is desirous
of learning "whether"
His Excellency wishes
a reference made
on the subject, (for
which there will be
time during the mon-
:soon) - whether
whether intimation
should be sent to
District Engineers to
adopt the Bangalore
improvements on for

:tain Plans of Lunatic-
Asylum Lunatic Asylum
Sec & Bar - D.F.?

Returned
5th Aug 1874.

It seems is time should be
well to refer the Question to Commissr
I think the Lunatic Asylum
in favour of adopting the improved
Bangalore Lunatic Asylum Plans of Lunatic
& Reformation Room - when the Plans
for these buildings for the Presidency
Jail & Civil Station come under
discussion - the points of light
ventilation, & general convenience
may be referred to the standard
Plans -
D.D.

Note.

On com
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further
request
it may
in mind with
reference to these
Stations -
The Reserve amo
:unting up to
Rs 9387, ~~Rs 9600~~ have been thereinto
~~only entitled~~ appr
:propriated - leave

of its early commence-
-ment viz:

From [illegible]
" Re[illegible]

Note.
On ex[illegible]
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Stations -
The Reserve amo-
-unting up to
Rs 9387, ~~Rs 9600~~
~~only enable~~ after
Incorporated -
[illegible] 4th June/74 [illegible]

3183

Govt. of 1874 Madras

PUBLIC WORKS.

To

The Dist. Supt.
Malabar

Dated

Recd. Encl. 3

G. O. 8 Sept. 1874, No. 2540

Nos. 180-187

Canteen for the European Regiment at Cannanore in the Malabar Dt.

Estimate of Rs. 21,515 for the Canteen, sanctioned for entry in the Budget of 1875/76 -