

(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.	3078	Press
~~B.P. No.~~		~~Mis.~~
Dated	30-10	195
		6875

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
30th October 1875.*

Read the following papers.—

No 514. From the Officiating District Engineer, Malabar, dated 23rd April 1875,
No 13

ABSTRACT—Forwarding copy of Lieutenant Dobson's letter reporting the objections raised by the Officer Commanding to the revision, in the manner proposed, of the estimate for converting the block No I married quarters into a guard-room for the European Infantry at Cannanore, and proposing certain deviations from the standard plan

No 514-A. From T. D. HARRIS, Esq, Officiating District Engineer, Malabar, to Major-General G. W. WALKER, R E, Secretary to Government, Public Works Department, dated Calcut, 1st July 1875, No 55.

In obedience to the instructions conveyed in your memorandum, No 481, dated 23rd April 1875, I have the honor to forward two plans, one of a guard-room and lock-up, proposed to be built for the European Regiment at Cannanore, and another one of existing family quarters, proposed to be demolished, and on the site to build the guard-room and lock-up, utilizing the old material as far as possible, and an estimate amounting to Rupees 13,750

No 514-B From T. D. HARRIS, Esq, Officiating District Engineer, Malabar, to Major A. McC SCOTT, R E, Under Secretary to Government, Public Works Department, dated Calcut, 5th October 1875, No 99

In reply to your memorandum, No 499, dated 10th September 1875, I have the honor to furnish you with the following information regarding the guard-room and lock-up proposed to be built for the European Regiment at Cannanore

2 The length of the new building is exactly the same as the married quarters, viz, 177 feet, to utilize all the materials and obtain as much space as possible this length was given, from inquiries made it appears that they have very small guard of fifteen men at Cannanore instead of eighteen as it should be, there would be no less than twelve men at a time with six sentries. The area and cubical space per man compared with standard plan is given on the plan.

3 As regards a separate room for inebriates, it appears that whilst the Cannanore Range Officer had a conversation with Colonel Colville, C B, on the subject, the latter said he thought it would be a good plan to have a separate room, so that men who are confined for slight offences should not be in the same room with drunkards, finding that after allowing the same length as in standard plan there was a little space to spare, it is proposed to have four beds and two more could be added if necessary. The Sergeants' quarters are put at the end of the building, the same as in the standard plan, but only at the opposite end. As the old materials and old roofing have to be used, the latrines for the guard and prisoners have been placed in the most convenient position, allowing at the same time about the same amount of accommodation as is allowed in the standard plan altogether

4 The front elevation and half section are now added and a detail of the door shown.

5 The reason why the plan was not colored is owing to the paper becoming damp in a wet climate like that of Malabar, so that the color runs and spoils the coloring. The estimate has been corrected to show to which head of the Budget it is chargeable.

No 515

ORDER THEREON, 30th October 1875, No 3,078

MILITARY WORKS, No 12

THE estimate provides for dismantling the present guard-room, prisoner's room, guard latrine and covered passage to Court-martial room, for converting No I married quarters into a guard and prisoner's room, and for constructing a covered passage to the orderly room and a school latrine.

2 Provision has been made for a separate room for inebriates in addition to the prisoners' common room, but the former should be reduced in size and the latter enlarged so as to divide more equitably the total cubical space available. This will be effected by moving the partition wall to the position shown in blue on the plan.

3 The estimate, which amounts to Rupees 13,930, is sanctioned, but it is not probable that funds will be available during the current year. The necessary provision will in any case be made in the Budget of 1876-77.

(True Extract)

Major-General. R E.,
Secretary to Government.

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

Ed S T Austin
Spec Copies

Notes of Remarks
On the proposed Guards Room and Lock-up to be
constructed at Cannanore.

Notes on Plan

Derivations

The proposed plan submitted by the District Engineer differs in the following points from the Standard design of a Quarter Guards and Cells for a Regiment of European Infantry sanctioned in G.O. dated 10th October 1871 No 2578.

1. The Standard design has for the centre portion of the building a trapezoidal roof with ridge ventilation, and the

proposed plan has a gabled roof with ridge ventilation, and the

Roofing to the mandrels
 on either side is trussed
 and supported on piers. *Refined*
 and arched. In the *Refined*
 proposed plan, the roof *Refined*
 of the centre portion of the *Refined*
 building, is an ordinary *Refined*
 Campbell roof with a *Refined*
 ridge ventilation, and *Refined*
 the roofing to the mandrels *Refined*
 is a lean-to roof with *Refined*
 continuation of the slope
 of the centre roofing
 and it supported on
 columns and beams.
 3 The thickness of the
 main walls in the stand
 design is 2 ft. and in
 the proposed plan 1 1/2 ft.
 4 The dimensions of the
 Guard Room and Lock-up
 in the Standard design
 are 60x24 and 70x24 ft
 respectively. The dimensions
 for similar rooms in the
 proposed plan are 60x18

Refined

Refined

Refined

Refined

Refined

Refined

Refined

Refined

Refined

Refined

Refined

Refined

Refined

Refined

Refined

Refined

Refined

Refined

Refined

Refined

Refined

To the side of the doors
 P. 100

The dimensions of the
 doors are also altered.
 The room for incubators
 is not allowed in the
 Standard design.
 The Standard plan
 shows the width of the
 mandrels as ten feet in
 the clear. The proposed
 plan shows it as 12 feet
 on one side and 10 feet
 on the other.

6 Where there is a difference
 from the Standard plan an
 explanation should be given
 as to the reason for the change.
 The Standard design shows
 8 ft. 6 in. for the width of the
 doors - but in the proposed
 plan it is 10 ft. 0 in.

See remark on 6.

and 70x18 feet.
 5 The dimensions of the
 doors are also altered.
 6 The room for incubators
 is not allowed in the
 Standard design.
 7 The Standard plan
 shows the width of the
 mandrels as ten feet in
 the clear. The proposed
 plan shows it as 12 feet
 on one side and 10 feet
 on the other.
 8 The mandrels
 extend along three sides
 of the building in the
 Standard design and
 only along two sides in
 the proposed plan.
 9 In the Standard design
 there are two entrance steps
 at the front of the building
 leading to the Guard Room
 and Lock-up and three
 smaller entrance steps
 at the end of the building
 leading to the Provost's
 Quarters; but the proposed
 plan shows a continuous

line of steps all along
the front of the building.

10 The arrangement and
position of the Provost
Sergeant's quarters, Trach
house and latrine in the
proposed plans are very
different from the Standard
Design.

Sketch Map or site
plan is not submitted
in accordance with
instructions contained
in para. 13 Chap V of
the Indian P.W. Code:
although called for
in G.O. dated 14th
October 1873. No 76 P.W.

The detailed Report
is also wanting -

There are no drawings
of the 6 feet covered way
to school room referred
to in Specification
and Estimate -

* With reference to the alterations, in
proposed plan of Guard Room & Lock-ups to
be constructed at Pannanore for a Regt. of
European Infantry, although approved by
the Local Govt. apparently has not been
the sanction of the Govt. of India in accordance
with para 3. Section 1, Chap. XIII Govt. of
India P.W. Code -

CMB

Notes on Estimate and Rates

The estimate is made in two
in two parts - generally the first
is for the first year and the second

There were a few miscat-
ulations in Estimate which
are corrected in red ink.

The rates are for iron gratings
as per District Schedule for the
year 1900. The rates are given in the
District Schedule for the current
year.

The rate for iron grating
doors is in excess of the
rate given in the District
Schedule for the current
year.

The rates are for
dismanthling buildings

Rates for repairs and
dismantling buildings
are not given in the
District Schedule.

The Estimate is in abstract form
but it is not so headed -
A Certificate is required to
the effect that the estimate
has been presented and

Adm

C.N.P.
24/8/00

not estimate

Comparative Statement showing difference of Rates between the Estimate submitted by the Dist Engineer and the District Schedule for Dismantling No 1 Block of Manned Quarters, E. I. and Constructing in its place a New Guard Room & Lock up etc at Cannanore.

Description of Work

Rates as per
Estimate submitted
by the Dist Eng.

Difference etc.

Remarks

Dismantling Main building & Out-houses including chaping

Stones ————— Cft. " 6
Removing floor ————— Sqm 18.
Dismantling Roof Carefully ————— do. 3

Latente in Chumam (new old)

Materials ————— 100 Cft 11 " "
Plastering & White washing ————— Sqm 28 " 5.
Flooring with Joists & planks ————— do 45 " "
— do — with Cutch stone laid in Chumam ————— do 40 " "

Asphalte flooring, bath room

& urinals ————— do 22 " 2

Putting up Roof of the building

using good Raflis etc ————— do 15 " "

Timber wrought & put up ————— Cft 14 " "

Painting 3 Coats. Careno painting ————— Sqm 58 " 28

Iron Grated Doors with Iron bars

Cross bolts, lock & key etc ————— Each 50 " "

Iron Grated Doors ————— do — do — do 40 " "

Latente in Chumam ————— 100 Cft 18 " 27

Plastering & White washing ————— Sqm 28 " 5

Asphalting floor of latrine ————— do 20 " 20

Roofing with Raflis, reapers

nails etc ————— do 22 " 22

Timber wrought & put up ————— Cft 14 " 14

Sp. Cement used in the
have been called at an 1 1/2 p. per bag - a comparison
of rates is different

Dismantling main building
 & out houses _____ C/L = 6
 Removing Floor _____ 18 u
 Dismantling Roof _____ do 3 u

Look Kittis: Department
 Fort. St. George. - - -
 Madeas. August 1875.

CR

Total of Estimate for constructing a covered passage, re- constructing a school latrine and dismantling guard and prison rooms &c	3005
Deduct the value of old materials (used partly and selling what cannot be used	2000 1005
Grand total of Estimate Expenses for the construction of new guard room after dismantling the present named quarters, constructing a covered passage &c & dismantling guard and prison rooms	2000 1005 3005

Approved by the Engineer and District Engineer
 District Engineer - Madras

J. P. P.

District Engineer - Madras

Approved by the Engineer and District Engineer

District Engineer - Madras

J. P. P.

and
 on
 after
 aimed
 and by
 passage to
 by
 back
 net
 wall
 down
 coming
 of life
 side and
 using
 much
 structure
 of base
 tiered
 lit wash

All the rafters, wall plates, breast
summers &c to be painted with tar before
pulling up.

The present wall plate on the rear wall of the rear rooms and bressummes need on the fullers of 3 quarters to be taken down and new bressummes 5x7 given instead.

The present doors & windows of the building to be again used, after repairing and painting with 3 coats of carsons purple brown paint.

to be of one piece round iron let through the centre cross bars and into the top and bottom one two pieces

The bolts near the frames to be half an inch & the remainder of thick. An iron cross bolt fastening into the frame with iron padlocks & Key to be given for each door.

The floor of the main rooms to be of joists & corrugated planks, joists six to rest over the returning wall in the centre as shown in cross section. the joists to be painted with tar before putting

The floor of the main hall and steps
both in front, and rear to be of cut stone
laid in Chumam & that of the bath room
& urinals in rear to be of asphalt $\frac{1}{2}$ "

the thick found on three inches concrete
concrete carefully laid & rammed
The concrete concrete to be in
this way the three inches to be laid & if
picked small concrete stones or pebbles
this is to be mixed in proportion 5 stone
3 sand & 2 chunam to be carefully rammed
Mixing to be done dry at first after
wards as much water as will just cause
it to bind & the whole thoroughly mixed and
rammed level
Any previous days work to be
damped before next day's work begins
when the whole is thoroughly dry the
asphalt to be poured on hot in the usual
way in sections
A covered passage 6 feet broad in
the clear to the end of school room to be given
a verandah being added at the end of the
latter to join the covered passage with that
from the Baracks
A short additional verandah
will also be given in the face of the school
room to enable the children to pass along
side the passage to the school latrine
which will be removed from its present
position & built alongside the passage

The part of the covered passage over
the road to be made 9 1/2 feet high and
15 feet wide as owing to the extra height
the rain will drift more across it, the
remainder of the passage will be on pillars
7 1/2' high & built of stone in chunam and
lime plastered & roofed partly if possible
with old wood works of roof of covered passage
leading to the court martial room from the
Prison rooms.

The present Guard room, Prison rooms,
covered passage to court martial room &c to
be entirely dismantled as in Detailed Estimate

All the rubbish to be cleared away
on completion of work and the place to be
left perfectly clear & neat in every detail

Ammanur Range Office
29 June 1895

J. Shunard
District Engineer & Malabar
in charge of Ammanur Range

J. Shunard
Offg. Dist. Engr. Malabar

No 1 — ESTIMATE PARTICULARS

Main Budget Head to which chargeable

*Imperial
Military new works*

Purpose of work as given by District Engineer

Demolishing quarters

at Baunanne & building the estimate provided

on their site Guard room for

for European Regiment

Original sanction for the preparation of the

detailed estimate Date and number sanction-

ing and Public Works Department

Chief Guard room Prisoners

Engineer's Memo. No. 1687

of 3 May 1875 & 17 W. No. 1697 of

21 June 1874

Amount of present estimate and its district

number. *No. 13750 Estimate*

not numbered.

Budget head to which chargeable if sanc-

tioned, (in detail)

Military

new works

Provision has been made in the Budget of

in anticipation.

(Yes or no)

Entered under class 2. Provision has been made for

in the Imperial

Budget of 1875/76

Funds can be made available during the

current year

(Yes or no, and state how in former case)

Not probable.

Brought forward as urgent

(Yes or no, and if former state by who)

Not stated by

J. E. Engh.

Number on last revised list of works ap-

proved and brought forward in due order of

precedence

Not entered

No yes no.

194

W/5

194

194

194

194

194

194

194

194

194

194

194

for dismantling the present

Guard room Prisoners

in

to construct a covered passage

to connect the present

with the present

to construct a covered

passage to the existing

a school building.

to construct a covered

passage to the existing

a school building.

to construct a covered

passage to the existing

a school building.

to construct a covered

passage to the existing

a school building.

to construct a covered

passage to the existing

a school building.

to construct a covered

passage to the existing

a school building.

to construct a covered

passage to the existing

a school building.

to construct a covered

passage to the existing

a school building.

to construct a covered

passage to the existing

a school building.

to construct a covered

passage to the existing

a school building.

to construct a covered

passage to the existing

a school building.

to construct a covered

passage to the existing

a school building.

to construct a covered

passage to the existing

a school building.

to construct a covered

DOCUMENTS IN FILE

From District Engineer *Malabar*

1 Covering letter No *513* date *July 1875*

1 Letter from Range Officer, No *398* date *13-1-75*

2 Detailed Estimates

1 Abstract

1 Plan

1 Specification Report

In the kept with Cor 90
30 October 75 No 3078

From Office
Approved by Chief
12th of May 1875
Original sanction, No *1697*, date *24-6-74*
for detailed estimate preparation

Orders and Proceedings	No.	Date	Under P W D G.O.
P W Department			
Public do.			
Revenue do.			
Financial do.			
Military do.			

Note of Remarks

On Comparative statements of Rates between
District Estimate & District Schedule for
roofing in space between Mr. Surgeant's Map Cook
house, and Cantonment to form a Cook
for 2 married families R.H.A. Union Baruch

Bangalore

16th October 1875

The following rates
in District Estimate
differ from the District
Schedule -

Stone in chimneys. In
Excess of Dr. Schedule.
Carried work in eaves
of roof - Less than District
Schedule -

Stone flooring with level
course of concrete. In Excess
of District Schedule -
Figures checked & found
Correct.

C.M.P.
15/10/75

Anti of Remarks

On Estimate for constructing a latrine to the
Barrack occupied by the detachment 30th
Regiment Native Infantry at

Mysore

16th October 1875

The following items in
D^t Estimate differ in value
from the District Schedule.

Brick in Channarayana. Lps
Archwork — — — — —
Plastering — — — — —
White & color washing — — — — —
Teak wood — — — — — Lps.

The figures have been
checked & an item
of miscalculation cor-
rected -

C.M.R.
18/10/75

Comparative Statement showing difference of Rates between the Estimate submitted by the District Engineer and the District Schedule for Constructing a Dam to the River occupied by the Detachment 30th Regt. Native Infantry at Mysore.

Description of Work.	Native Engineer Estimate submitted by the District Engineer.	Native Engineer Estimate.	Difference.	Remarks.
Excavation_____Cft. " 1	" 1	" 1	" 0	
Brick in Chumau_____do. " 26	" 26	" 26	" 0	
Archwork_____do. " 3	" 3	" 3	" 0	
Plastering with Chumau_____Sqr. 2 12	" 2 12	" 2 12	" 0	
White & Color Washing_____do. " 4	" 4	" 4	" 0	
Asphalte flooring_____do. 25	" 25	" 25	" 0	
Honey Comb Tile work_____do. 8	" 8	" 8	" 0	
Stone Slabs_____Sqr. " 8	" 8	" 8	" 0	
Seak work_____Cft. 2 12	" 2 12	" 2 12	" 0	
Roofing with Tiles &c_____Sqr. 12	" 12	" 12	" 0	
Seak wood Drains_____Sqr. 18	" 18	" 18	" 0	
_____do_____do_____do. 1 12	" 1 12	" 1 12	" 0	

Govt. Letter Department
 Sub. to. Genl. _____
 Madras. 16th October 1875.

[Signature]

State of Remarks

On Estimate for alterations and additions
to the Station of Upper Hospital Saint John
Barnack at Bangalore

16th October 1875

The following
differ in rate from
the District Survey

Stone in clumans
except of Dr. Sclerous

Asphaltum flooring
from District Survey

Figures checked
to prevent errors

Comparative Statement shewing difference of Rates between the Estimate submitted by the District Engineer and the District Schedule, for Alterations & additions to the latrine of Sappers Hospital - St. John's Hill Barracks at Bangalore.

Description of Work.	Rates as per Estimate submitted by the District Engineer	District Schedule	Difference.	Remarks
Dismantling Brick work	Cft. 3			
do Stone floor	Sq. 1			
Excavation	Cft. 1			
Foundation Stone in Chumam	do 3	2 1/2	1/2	
Basement do	do 3	2 1/2	1/2	
Concrete	do 33	30	3	
Bricks in Chumam	do 33	30	3	
Heavy Comb tile work	Sq. 8			
Stone slabs, tread for steps	Sq. 4			
Plastering with Chumam	Sq. 28	28		
do with Cement	do			
Cistern	do 12			
White Washing inside	do 2	2		
Blue do outside	do 3			
Teak wood work & put up	Cft. 38	38		
Nails 7" long	Sack 7			
Roofing with Teak Beams				
Nails flat & span tiles				
& Chumam borders	Sq. 22			
Turning Tiles to Pinz with & keel	do 28			
Ridge Ventilator	Comp. plate Sq. 3 1/4			
Filling in basement	Cft. 1			
Flooring with stone slabs to gangway	Sq. 15	15		
Asphalt flooring	do 20	15	5	
Lamming	do 1			
Wooden tamed brackets	Sack 28			
Abutment tamed tubs	do 38			
Zinc pipes 2 1/2" long 1 1/2" diam	do 2			
Urinal tub	do 38			
Iron partition	Sq. 12			
Wooden Coverings with frames				
& fitting for to Cess pits	Sack 6			

Govt. Engineer, Department
 Fort St. George
 Madras. 16th October 1875.

DOCUMENTS IN FILE

From District Engineer— *Bangalore*

1 Covering letter No *110*, dated *22 Oct/75*

~~1 Letter from Range Officer, No, date~~

3 Detailed Estimate

3 Abstract do.

3 Plans

3 Specification Report

From Office—

Original sanction, No, date
for detailed estimate preparation

Orders and Proceedings	No	Date	Under	
			P W D	G O
P W Department			No	Date
Public do				
Revenue do				
Financial do				
Military do				

No 1—ESTIMATE PARTICULARS

Main Budget Head to which chargeable
Imperial.

Purpose of work as given by District Engineer.

1. Latrine to the barracks occupied by the Detachment and 30 Regt. *State's Engineer at Mysore.*
2. Additions to the latrine of *State's Engineer Hospital at Mysore.*
3. Roofing on the space between the barracks and the *State's Engineer Hospital at Mysore.*

Original sanction for the preparation of the estimate. Date and number sanction—*Barracks at Mysore*
ing and Public Works Department

Amount of present estimates and its district number

- 1- Rs 335. No. 87.
- 2- " 370. No. 88.
- 3- " 110. No. 101.

Budget head to which chargeable if sanctioned (in detail)

Military

Provision has been made in the Budget of in anticipation

(Yes or No)

No.

Liquids can be made available during the current year

(Yes or No, and state how in former case)

*Yes. Rs 1700 withdrawn from Item No. 31.
 at the disposal of post. 1875-76.
 Rs 4073 under repairs of Ch Engineer.*

Brought forward as urgent

(Yes or No and if former, state by whom)

Not stated

Under on last revised list of work approved and brought forward in due order of precedence

No

Yes

No.

No 3078

Public Works Dept.

Proceedings of the Madras Government

Under date the 30 Oct 1875

Read the following

From

The Dist. Eng. Malabar (No. 13 of 23 April 1875)

" do " (No. 55 of 1st July)

" do " (No. 99 of 5th Oct)

The Estimate provides for dismantling

the present guard room,

Prisoners' room, guard

latrine and covered

passage to Court

Martial room, for

converting No 1 Marine

quarters into a guard

and

and Prisoners room
and for constructing a
covered passage to the
Ordinary room and a
School latrine.

2. Provision has
been made for a sepa-
rate room for inmates
in addition to the Prisoners

Common room, but ~~it is~~
~~proposed that the~~
~~cellular space~~
~~which is~~
~~not~~
~~adjoining the~~
~~division~~
~~and the~~
~~main~~
~~entrance~~

3. The estimate will
amount

The former should be
reduced in size & the latter
enlarged so as to divide
more equitably the total
cellular space available.
This will be effected by
moving the partition ~~which~~
the position shown in ~~the~~
in the Plan.

amounts to Rs 13,930
is sanctioned but it is
not probable that
funds will be avail-
able during the cur-
rent year. The necessary
provision will in any
case be made in the
budget of 1876-77.
Ans

The ... of the ...
... of the ...
... of the ...

Railway Dept
Controller of M & A
Bhujpur Malabar

40
14

with one Estimate
with one Plan

Drwp - 11-11-75

x: attch

To *Will & Dept.*

2

3/11

Dir

Inc

Est

Ex

O. O. *W. H. S.* No. 3078

Nos. 574-575-

Board Room for *Edward L. Brown*
including *Communion - The Schmitz*

Rs. 13,900 for the
included with remarks -