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(3) Initials of the Referencer _____

MADRAS RECORD OFFICE

Government of Madras

Public works.

DEPARTMENT

G.O. No.	684	Press
B.P. No.		Mis.
316-317		
Dated	13-3-1844	195.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
13th March 1874.*

No. 316. Read the following letter from Lieutenant-Colonel R. B. KENNEDY, Special Executive Engineer, Wynaad, to Colonel G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Vythery, 2nd February 1874, No. 101 :—

2 Huts at Periah.
1 Station-house at Panamaram.

I HAVE the honour to forward plans and estimates for Police buildings in Wynaad as per margin.

2. With reference to paragraph 2 of G. O., No. 2,924, dated 4th December 1873, I have the honour to observe that although the buildings proposed to be erected by me are nominally the same as those at Neddivattam and Ramandroog, the two places which are placed in comparison with Wynaad, the quantities and specifications can scarcely be similar.

3. The only means I have of judging the rates in the districts alluded to are those shown in the statement of rates ending 30th September 1872, forwarded by the Inspecting Engineer for Civil and Military Buildings; and applying the Neilgherry rates to the quantities of the buildings proposed by me, I find that the brickwork alone for the Station-house would come to Rupees 1,422-7-2 and for the Police lines Rupees 1,067-6-5.

4. The Bellary rate gives Rupees 555-15-0 and Rupees 740-13-7 for the same buildings respectively. While at the present cost of iron which is 4 Annas per superficial foot at the coast, makes it impossible for the roofing to be cheaper at either locality than my rates give. I am forced by the exigencies of climate and difficulty of getting good enough material for really weather-proof tiles, to be used alone, to adopt this expensive but most thoroughly efficient kind of roof.

5. The plan for the Police houses is the standard one authorized by Government, and that for the station is similar to one lately built by me, which appears to be highly approved.

No. 317. ORDER THEREON, 13th March 1874, No. 684.

CIVIL WORKS, No. 34.

His Excellency the Governor in Council is of opinion that possibly a more appropriate and economical style of Police hut than those planned and constructed at such cost by the Special Executive Engineer in charge of Wynaad might be erected of timber with shingle roof, either by departmental agency or the Department Public Works. He accordingly directs the Inspector-General of Police to report fully, in communication with the Officer of the Department Public Works, on the subject of the Police buildings in Wynaad as hitherto constructed and their efficiency, and whether any less expensive and durable kind of structure might be substituted.

(True Extract.)

Colonel, R.E.,
Secretary to Government.

To the Executive Engineer, Wynaad.
„ Inspector-General of Police.
„ Judicial Department.
Exd. E. C. Shunker.
Spare Copies

Ch. G. G. G. G.

Mynard Division
Malabar District
Detailed Estimate

Nov 1872

119
1872
Date

Constructing in District of two Police

L. B. H. Contents				Description of Work
58 1/2	2 1/2	2 1/2	329 1/16	Foundation to Principal Walls of huts
45	1 1/2	1 1/2	109 1/16	do Prop walls of huts
4 1/2	2 1/4	2 1/2	25 5/16	do 2nd Pillars
1 1/2	1 1/2	1 1/2	27 1/16	do of Wall between passages
55 1/8	1 1/8	1 1/2	86 1/16	do Back wall & Compound
33 1/16	1 1/8	1 1/2	62 1/16	do of Prop and side walls of Compound
35 1/8	1 1/8	1 1/2	60 1/16	do of Verandah
5 1/4	2	1 1/2	57	Placement to Principal walls
4 1/4	1 1/4	1 1/2	20 3/4	do Prop and side walls
2	2	1 1/2	4	do Pillars
11 1/2	1 1/2	1 1/2	7 3/16	do Wall between passages
35 1/4	1 1/4	1 1/2	22 1/16	do Back wall
34 1/16	1 1/16	1 1/2	21 1/16	do Prop and side walls
5 1/8	3/4	1 1/2	13 1/32	do Verandah
5 1/8	1 1/2	1 1/2	64 1/4	Principal walls above
40	1	1 1/2	360	Prop and side walls
3	1 1/2	1 1/2	34 1/2	Pillars
12	1	5	100	Wall between passages
35	1	5	175	Back wall
36	1	5	100	Prop and side walls
60	1	1 1/2	90	Gable wall
2425 5/16				
54 1/16				Subt for openings
2372				Subt of Work in Chumans

40	"	8 3/4	416	Clustering principal walls of huts
52	"	7 1/2	390	do do do
102	"	7 1/2	702	do Prop and side walls do
0	"	7 1/2	61 1/3	do Pillars
24	"	5	120	do Wall between passages
35	"	5	175	do Back wall
32	"	5	160	do do
7 1/4	"	5	370	do Prop and side walls of Compound
20	"	3	100	do Gable ends
13 1/4	"	1/2	17 1/4	do Placement
2730				Subt of Clustering

Mr. Bell

Charm

*General Specification for Police Quarters to be
Constructed at Oriskany Chambers and
Goodman.*

Arrangement of Quarters. Two Police Quarters,
each 12 ft by 12 ft inside measurement, will be con-
structed in one Block, and will have a Verandah
36 ft long and 4 ft broad, in front of them, with a
covered passage divided between them, leading off to the
Compound in rear, which will be enclosed by walls
5 feet high.

Foundation and Basement. The Foundation
of side or Main Walls to be 2 1/2 ft broad at bottom, with
2 ft of breadth above it, sunk to a depth of 2 1/2 ft under
Basement 2 ft thick and 6 inches high. Foundation
of Prop, End and Partition walls, to be 2 ft broad
at bottom, with 1 1/2 ft of breadth above it, sunk to a
depth of 1 1/2 ft under Basement 1 1/2 ft thick, and
6 inches high. Foundation of Compound walls to be
15/8 ft average breadth, and sunk to a depth of 1 1/2 ft
below the Continued Basement of 6 inches.

Foundation of front Verandah will be 1 1/2 ft average
breadth, and 1 1/2 ft deep with basement of 6 inches.
Some Section of Main Wall Foundation's will be
given for the Masonry Pillars in Partition Wall.
Wall above.

The side or Main walls and
Masonry Pillars to be 1 1/2 ft thick. Prop, end and
Partition walls to be 1 ft thick only. All of them are
to be raised 7 ft, 9 ins up to level of wall plate.
There will be 4 gables 1 ft thick, over Prop and
End walls, raised three ft high. Compound walls
1 ft thick only, will be raised 5 ft, including a
 coping of 9 inches throughout. The above inclusive
of Foundation and Basement will be built
of the best moulded good Bricks in
Chennai, with one and half parts of sand to
one of Lime.

Roof. The roof is a simple Cripple roof
with

2
C.M. 644/14
P.H. 1337 Bruch 1/4
L.B.A. 3/6

with double Collar pieces, together with piers,
Wall plates / over side walls / Trandah / rafters,
Pillar plates and Braces over covered passage
and Trandah, are to be of Teakwood, or other good
timber free from flaw or other defects. The piece
of the roof will be $\frac{1}{4}$ of the span, from the points
of support. Twenty couples are required to be
placed 2 ft apart from Centre to Centre, over the roof,
which will be covered with continuous Iron Rolls
under gables and Chumam Borders and Strips
9" in breadth, and 3 ft apart. 920 Tiles will be
required to cover 100 sq ft of Roofing over continuous
iron. When roofing a Roll of Iron will first be
laid on the Eaves or lowest part of roof and nailed
on to the piers at both edges. The Roll suc-
ceeding it, and every other, will overlap that below
by 3 inches, so as to cover the nail holes which
admit of leakage from Rain. Each Roll of
iron, except the one next the eaves, will have
thus to be nailed on the upper edge only, which
as before stated, will be nailed at both edges.
Wooden Pillars. Five Teakwood pillars 6 ft
high and average dia $7\frac{1}{2}$ inches, will be re-
quired for the Trandah.

Flooring. Flooring to be of good hard
earth well rammed down, after which it
should be prepared thickly plastered for
about an inch with Clay.

Flat Arches. The Doors and Windows
to have flat Arches over them, $1\frac{1}{2}$ ft deep.

Plastering. The Building throughout
will be plastered with a Coat of Chumam $\frac{1}{2}$
thick and rubbed down.

Doors. Two single Batten Doors 3x6
with upper, lower and side frames 6"x4". Wood
for shutters with upper and lower ledges, to be $1\frac{1}{2}$
thick, with one pair of hinges, band bolts and
padlock

padlock to each.

92
Windows. Two single Batten Windows 2x3
with frames 5x2", without frames for shutters $1\frac{1}{2}$
thick, to have four wooden Bars placed in them,
with hinges, hooks &c complete.
Foundations will be excavated according to the
Dimensions given above for them.

11th September 1873

W. H. M. M. Mayor
Sgt. H. H. M. M. Mynard.

General Specification for Police Station
Houses, to be constructed at ~~Harambada~~
Punnamam, and ~~Coltuttu~~.

Arrangement of Building. Two Cells
each measuring 12 ft by 10 ft within, will be con-
structed on either side of the Guard Room 17 ft long by 14 ft broad which will project
5 ft in front of Cells. A Verandah 17 ft long and
5 ft broad will be built in front of the Guard
Room only.

Foundation and Basement. Foundation
of Main Walls to be 2 1/2 ft broad, sunk 2 1/2 ft
under Basement 2 ft thick, and 1 1/2 ft high.

Foundation of Verandah Pillars will also be 2 1/2 ft
broad, sunk 2 1/2 ft under Basement 2 ft thick
and 3/4 ft high. Foundation of Cross Wall of
Cells to be 2 ft thick, sunk 2 1/2 ft under Basement
1 1/2 ft thick and 1 1/2 ft high. Retaining Walls
will be built 2 ft thick to half depth of
Verandah pillar foundations
Walls above.

The Main Walls and Ma-
son Pillars to be 1 1/2 ft thick. Cross Walls of Cells
to be 1 ft thick only. All Walls to be raised 9
ft above basement, and the Pillars will be
4 ft high above the latter. There will be two
Gables inside the Building, and one Gable on
Basement with Horizontal and Paving Cornices
over wall in front of Guard Room. The above
exclusive of foundation and Basement will
be built of the best ground moulded Bricks
in Chumam with one and half parts of Sand
to One of Lime.

Roof. Roofing over Guard Room and Cells
will consist of Cyples, Collar pieces, Rafter,

P.M. 6/4/74
128. 713 ft
L.B. 11. 316

Police Buildings Malabar District 150 New Work.
Mysnad Division
Detailed Estimate 4/45.
112 P. Constructing a Police Station House
and two Cells.

M. W. Keeney
Exe Engle Wynant

3. The only means I have of judging the rates in the Districts alluded to are those shown in the Statement of rates ending 30 Sept 1872 forwarded by the Inspecting Engineer for Civil & Military Buildings and applying the Steelgherry rates to the quantities of the Buildings proposed by me, I find that the Brickwork alone for the Station House would come to 14,22-7-2 and for the

Police Lines 2067-6-5.

190

4. The Billary rate gives #
Rs 555-13-, and Rs 740-13-7 for the same
buildings, respectively. While at the present
cost of Iron which is 4 annas per superficial
foot at the Coast, makes it impossible for
the roofing to be cheaper at either locality
than my rates give. I am forced by
the exigencies of climate and difficulty of
getting good enough material for really
weather proof tiles, to be used alone, to adopt
this expensive, but most thoroughly efficient
kind of roof.

5. The Plan for the Police houses
is the standard one, authorized by Government,
and that for the Station, is similar to one
lately built by me, which appears to be highly
approved.

I have the honor to be

Sir,

Your most obedient servant

W. H. Kennedy, Lieut. Colonel
Special Eng. Engineer
Weymouth.

212

Chief Police Officer
Calicut 30 January 1874.

N. 82

To
The Special Executive Engineer
Suckadi, Wynaad.

Sir,

I have the honor to enclose
Plans and Estimates for huts
and Station. Houses noted in
the margin for new works in
Wynaad during 1874-75, duly
counter-signed by the Inspector
General of Police, and to request
you will be good enough to forward
the same to Government for sanction.

I have the honor to be,
Sir,
Your most obedient Servant.

M. M. M. Major
Supt. of Police
Malabar

2 huts at Quail
1st. House at
Panamaram - 1720 -
112,4750 -

29/1/74
The Special Executive
Engineer Wynaad

The Secretary to
Government O. P. W.
Chadai.

Dec 29 - February 1874
Dec 4

3 Enclosures by
11/1/74

Estimates for Police
Station at Suckadi and
Panamaram in Wynaad

No 316

O.C. 16.2.74
No 144/74 O.C. 7.

No 184-13 "Chadai" 1/74

Q.C. 16.2.74.
10.7.4/1908.7.

117
and
latch
app

P.W. 624/170
P.S. of 13th March/74
Lr. 93. N. 3/16

W. D. P. W. 624
1874

Proceedings of the Madras Government
Under date the February 1874
Read the following.
From the Special & Eng.
Wynnaad.
(For order No 101 of 23 Feb 1874)

M. L.
20/2
possible

His Excellency
the Governor in Council
is of opinion that a more
appropriate and economical
style of Police Hut than
those planned and constructed
at such cost by the Special
Executive Engineer in
charge of Wynnaad, ~~could~~
be erected of ^{timber} with
Single Roof ^{by} Depart-
mental Agency ~~aided~~
by private individuals
personally

W. D. P. W. -

personally interested in the
locations of the Police and
their officing - He accord-
-ingly directs the Inspecting
Genl
Commissioner of Police to report in connection with the
fully on the subject of the Office of the D.P. in
the Police Buildings in
Hyderabad, as hitherto
constructed, and ~~also~~ ^{then existing}
would propose to carry
them out.

whether any less expensive
and durable kind of building
structure might be suitable
for the purpose.

G.M.W.

By Capt Wynne ~~Inspector~~
Insp. Genl of Police
Judl Dept

Despatched 16/3/24.

316-317

Think that something
must be done about
these Hyderabad buildings.
I have heard it
believed that there is
a considerable saving
time and with very
insufficient results.

In the Inspecting Genl's
Inspection Report of 1871
the following words occur.
It will probably be better
to build huts such as
"are used by the Country
people departmentally
than to see the costly
structures of the D.P. which
which

which after all do
not seem to provide
the conditions requisite
for health & comfort.
Colonel Dimes recently
spoke to me about
the ~~Hygienic~~ Police
Many are in a sad deplorable state
buildings, and recommended
that an efficient Police
Officer should take
in hand the erection
of ~~wooden structures~~,
houses or huts with
Shingle roofs ~~definitely~~
Such structures
are admirably adapted
to private dwellings and
why not to Police? The
instance of structures
in Guatemala which
were both cheap and
successful, while Police
buildings

buildings constructed
by Major Kennedy at
great cost had failed.

I think that the
local Police officers
and Major Kennedy
should be required to
report on all the buildings
already constructed and
with reference to these
ideas he asked if some
different system of
construction could not
be adopted such as
wooden buildings with
shingle roofs or the like
within reasonable cost.
This would open the
matter which I think
should then be brought
to an issue. I believe
myself that far more
comfortable & suitable
buildings might be
provided

provided at far
less cost. The matter
certainly needs going
into.

I would call on the
Inspector General of
Police to report fully
on Wignale buildings
and the best mode
of providing cheaper
and more useful
structures in communi-
cation with the local
officers & residences.

12/2 PM

Govt. of 1874 Madras.

PUBLIC WORKS.

To The Executive Engineer
Tymnad

Dated

Recd.

Encl. 9

G. O. 13th Dec. 1874. No. 684.

Hos. 216 & 317

Police Buildings
Tymnad

The Inspector General
of Police requested in
communication with the
Executive Eng^r to report on
the subject of the Police
Buildings in Tymnad as
hitherto constructed & their
their efficiency whether a

less expensive & durable
kind of structure might
be substituted.