

(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.	1723	Press
B.P. No.		Mis.
58.59.		
Dated	3. 7.	1873.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
3rd July 1873.*

No. 58. Read the following letter from Lieutenant-Colonel R. A. ROBERTS, R.E., District Engineer, Madura, to Colonel G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Camp at Pereacolum, 29th May 1873, No. 757 :—

As directed in G. O., No. 756, dated 8th March 1873, I have the honour to submit, for the sanction of Government, the accompanying revised estimate of Rupees 1,300 for constructing four Police huts at Poodoovial in lieu of the estimate of Rupees 1,560 returned to

- 1 Plan.
- 1 Revised Estimate of Rupees 1,300.
- 1 Specification.
- 1 Comparative Statement.

me with the Government Order above mentioned.

2. I may mention that, in the statement of new works received by me from the Superintendent of Police, a sum of Rupees 973 is entered therein as an allotment for the current official year for the work in question, and I shall apply for the remainder, viz., Rupees 327, later in the official year, when I trust that funds may be available for transfer from other districts.

No. 59. ORDER THEREON, 3rd July 1873, No. 1,723.

CIVIL WORKS, No. 5.

THE revision of estimate reported in this letter does not commend itself to the Government as satisfactory, inasmuch as it leaves the cost of each hut at Rupees 325, which is too high, and a reference to the details of the revised estimate shows increases of rate for stone-in-chunam, for flooring with brick-in-chunam, for honey-comb tile-work, for stone pillars, and for panelled doors, of which no explanation has been given as might have been expected, on reduction, not increase, being called for. An increase in quantities, equally unexplained, is also observed as to the compound walls. An apparently high rate is allowed for brick-in-mud. While the obvious expedients of substituting mud for jelly in chunam floors, and battened for panelled doors and windows, and dispensing with plastering altogether have not been availed of. Indeed, an extra item for ridge ventilation has been added, which might with economy be included in the rate allowed for roofing.

2. Altogether His Excellency the Governor in Council is of opinion that to ensure some uniformity of charge for constable's quarters in the various districts the subject should be taken up by the Inspecting Engineer for Buildings, in communication with the Inspector General of Police, who will supply District Engineers with estimates of quantities for materials to be used in the construction of such huts on the standard plans in vogue—deviation from which is deprecated without adequate cause duly reported.

(True Extract.)

Colonel, R.E.,

Secretary to Government.

To the Inspecting Engineer for Civil and Military Buildings.

„ Inspector General of Police.

„ Officiating Controller of Public Works Accounts.

To District Engineers.

„ Major R. B. Kennedy.

To the Judicial Department.

Exd. S. T. Austin.

Spare Copies.

No. 757 District Engineers Office
Camp Peracalcut 29 May 1873

From
Lieut. Colonel R. A. Roberts R.E.
District Engineer, Madurai.

To
Colonel G. W. Walker R.E.
Secretary to Government P.W.D.

Sir,

As directed in G. O. No. 756
dated 8th March 1873, I have the
honor to submit for the sanction
of Government the accompanying
Revised Estimate of Rupees 1300,
for constructing 4 Police Huts at
Poddoorial, in lieu of the Estimate
of Rupees 1560 returned to me
with the G. O. above mentioned.

Enclosures
1 Plan
1 Revised Estimate
of Rupees 1300
1 Specification
1 Comparative
statement

273
327
1250

* There is provision
of Rs 1560 for the
works in the
2340 of 7/10/73

I may mention that, in
the statement of new works
received by me from the Superinten-
dent of Police, a sum of Rupees 973
is entered therein as an allotment,
for

for the Current Official year,
for the work in question, &c.
shall apply for the remainder
viz: Rupees 327, later in the
Official year, when, I trust that
funds may be available for
transfer from other Districts.

I have the honor to be

Sir

Your most Obedient Servant
Lieut. Col. R. S. S. S.
District Engineer of
Madura

P. W. 1843 Receipt
No. of Govt for P. W. 1843

Form No 3312.

The Secy to the Govt

Madras

To The Secy to the Govt

D. P. W.

Madras.

Dated 29th May 1873.

Receipt 3rd June 1873

Received 7 do

Rs. 4. 0. 0

Submitted for the sanction
of Government a receipt
of Rs. 1300 for
Constructing 4 Police
Huts at Poodoovial.

2 in. 10. 0. 0

No 1723. 3rd June 1873

No 58

Rs. 6. 0. 0

Revised Estimate No. 1 of 1873
District Madras
Work Constructing 4 Police huts at Poodoovial

Particulars of Work

Foundation Rough Stone in Chumman.

Particulars of Work	Number	Length	Breadth	Depth	Cubic Feet	Cubits
Four longitudinal walls	117	2.6	2		555.0	
Four end walls	40	2.0	2		160.0	
Two cross walls	20	2.0	2		80.0	
Four end walls in side verandah	20	2.6	2		100.0	
Six end & cross walls in front & side	30	2.0	2		120.0	
Retaining walls of front & side	150	1 1/2	2		450.0	
Total rough stone in Chumman					1495.0	
or Cubic yards					55 1/2	

Basement

Four longitudinal walls	117	2.1	1 1/2		351.0	
Six end & cross walls	60	1.6	1 1/2		135.0	
Four end walls in side verandah	20	2.1	1 1/2		60.0	
Six end and cross walls in front & side	30	1.6	1.6		67.6	
Retaining walls of front & side	150	1.1	1 1/2		225.0	
Four steps including foundation	12	1.3	2		30.0	

Superstructure

Four longitudinal walls	117	1 1/2	7.6		1316.3	
Six end & cross walls	60	1.1	7.6		487.6	
Four end walls in side verandah	20	1.6	5.0		150.0	
Six end & cross walls in front & side	30	1.1	5.0		162.6	
Two gables over cross walls	20	1.1	2.0		43.4	
Total Cubic feet					3028.1	

Deductions

Four doors	12	1 1/2	6		108.0	
Six windows	15	1 1/2	3		67.6	
Brick work in chumman around the doors & windows	126	1 1/4	1/2		78.9	

Deductions

Two Honey comb ventilation in gable walls	3	1.1	2.6	8.2
Total Deduction				262.5
Remaining brick in mud Cft.				2765.6
or being equal to Cft.				102 1/2
Brick in Chumam				
Around the doors & windows	126	1 1/2	1/2	91.6
Top of front, rear & end walls of building	185	1.3	2	115 7/8
Total brick in chumam Cft.				210.1 1/2
or being equal to Cft.				7 3/4

Flooring

Four rooms	50	9 1/2	2	237.6
Front & side verandah	68	3.9	2	127.6
Four door yards	10	3	2	15.0
Total flooring brick jelly in chumam Cft.				380.0
or Cubic yards				11 2/3

Honey Comb tile work

Five gables of verandah	50		1 1/2	75.0
Two ventilation in gable walls	3		2 1/2	7 1/2
Total Honey comb tile work sqft.				82 1/2
or Squares				82 1/100

Plastering

Four rooms in side	184		8	147.2
Walls outside	159		8	127.2
Two gables on center wall of rooms	52		2 1/4	117.0
Verandah walls both sides	106		5	53.0
Basement of building	254		1 1/2	381
Total square feet				377.2

Deductions

Four doorways in one side	12		6	72
Six windows of	15		3	45
Two ventilations on both sides	6		2 1/4	15 1/2
Total deduction sqft.				132.6
Remaining plastering 1 coat of chumam & white wash				364.6
or being equal to squares				36 4/100

Roofing

For two building & front verandah	61	25	152.5
For four side verandah	52	7 1/2	390
Total Roofing square feet			1915
or squares			19 1/100

Woodwork

Wall plates longitudinal walls	115	1/4	3/8	10 3/4
— — — on side walls	148	1/4	3/8	14 1/2
Breast Summers	106	3/8	2	20
Total cubic feet of Mangay wood				35 1/4
Stone pillars for verandah each 5 feet long bricks thick	12			12
Bracket stones for side verandah each 1 foot long 1/4 inches thick	8			8
Pannelled doors each 6x3	4			4
— — — windows each 2 1/2 x 3	6			6

Mud wall foundation

Wall on right & left side including screens	121	2	2	484
— in center of two building	71 1/2	2	2	286
Front of buildings including partitions	157 1/2	2	2	606

Superstructure

Wall on right & left side including screens	121	1 1/4	5	756.3
— in center of two building	71 1/2	1 1/4	5	444.4
Front of buildings including partitions	157 1/2	1 1/4	5	946.10
Total mud wall cubic feet				3523.5
or being equal to cubic yards				130 1/2
Tile Capping on mud compound wall	344	Rft.		3 1/4

Revised Abstract Estimate to 9-1873
Madras District
Work Constructing Police Station at Poddencil

Particulars of work Rate amount Total

55 1/2	Cy of Rough stone in Chumam	3	..	166	8	.
7 3/4	- do of Brick in Chumam	1	8	..	35	..
102 1/2	- do of - do - in mud	3	..	307	8	.
14	- do of Flooring with brick jelly in Chumam	3	..	42	..	.
82 1/2	- do of Honey comb tile work	5	..	4	17	.
36 1/2	- do of plastering with 1 coat white wash	1	8	..	54	12
19 1/2	- do of Roofing with palm-leaf couplers, collar pieces, rafters, ropes, nails and pun tiles Complete	18	..	344	11	2
35	Cubic feet of Vengay wood wrought and put up	2	8	..	87	8
12	Stone pillars 5 long 6" thick	2	..	24	..	.
8	Bracket stone for pillars inside verandahs each 1 long 1 1/2 thick	..	4	..	2	..
4	Pannelled doors 6 x 3	15	..	60	..	.
6	- do Windows 2 1/2 x 3	7	..	42	..	.
130 3/4	Cy of mud wall compound	..	4	..	32	10
344	Rft of tile coping over compound wall	..	6	10	12	.
4	Ridge ventilators	10	..	40	..	.
	Excavation foundations & Sundries at 5 per cent			1358	69	.
	Total Rupees			1469	3	.
				1300	..	.

M. Guttie
Inspector
Madras 29-4-73
21 April 1873
Comptroller
District Engineer of Madras

134
Enclosure No. 2 in a letter
from the District Engineer
Madras dated 29th
May 1873
No. 757.

To
The Secy to Govt
B.P.O.
Madras.

Revised Estimate for
Constructing 4 Police
Huts at Poodoorial.
Estimate No. 1300.

P. W. 3312/72.

Comparative Statement showing the difference between Original & Revised Estimate for Constructing 4 Police Huts at Poodoornyal

Description of Work.	Original Estimate			Revised Estimate			Increase over Original		Less than Original		Remarks
	Quantities	Rate	Amount	Quantities	Rate	Amount	Quantities	Amount	Quantities	Amount	
Rough stone in chumnam	57 ²⁷ / ₂₇	3 8	142 7 6	55 ¹ / ₂	3	166 8	"	23 11 6	1 ¹¹ / ₂	"	"
Brick in chumnam	127 ¹² / ₁₂	4 8	583 8	7 ²¹ / ₂₇	4 8	35	"	"	121 ¹⁸ / ₂₇	547 8	"
Do in mud	"	"	"	102 ¹ / ₂	3 2	307 8	102 ¹ / ₂	307 8	"	"	"
Flooring with bricks & mud & cow dung	14 ⁶ / ₂₇	1 8	21 5 4	14	3 5	42	"	20 10 8	6 ¹ / ₂₇	"	"
Honey Comb tile work	"	"	"	"	"	"	"	"	"	"	"
Plastering with 2 coats chumnam	40 ¹⁵⁰ / ₁₅₀	1 8	1 57 ⁸² / ₁₀₀	5	"	4 17	"	2 12	3 ¹⁰⁰ / ₁₀₀	"	"
Do with 1 coat chumnam & white wash	38 ⁴⁴ / ₁₀₀	2 8	96 4	"	"	"	"	"	38 ⁴⁴ / ₁₀₀	96 4	"
Roofing with Palmisak rafters & couples	"	"	"	36 ¹ / ₂	1 8	54 12	36 ¹ / ₂	54 12	"	"	"
Chillar pieces, reapers, nails & paint tiles	19 ¹⁵⁰ / ₁₅₀	18	344 11 2	19 ¹⁵⁰ / ₁₅₀	18	344 11 2	"	"	"	"	"
Complete indy & Pette Ventilator	"	"	"	"	"	"	"	"	"	"	"
Vengay wood Cleft	40	2 8	100	35	2 8	87 8	"	"	5	12 8	"
Stone Pillars	12	" 11	10 8	12	2	24	"	13 8	"	"	"
Bracket stone for pillars	"	"	"	8	" 4	2	8	2	"	"	"
Panelled Doors & sashes	"	"	"	"	"	"	"	"	"	"	"
Do Windows	4	12	48	4	15	60	"	12	"	"	"
Mud wall Compound	6	7	54	6	7	42	"	"	"	12	"
Tile Coping over Compound wall	74 ²³ / ₂₇	" 4	18 11 5	130 ¹ / ₂	" 4	32 10	55 ¹⁷ / ₂	13 14 7	"	"	"
Brick Coping over Do Do	"	"	"	344	"	6 10 12	344	10 12	"	"	"
Ridge Ventilators	6 ¹ / ₂₇	4 8	27 2 8	"	"	"	"	"	6 ¹ / ₂₇	27 2 8	"
Excavating foundations & sundries	"	"	"	"	"	"	4	40	"	"	"
Superintendence	"	"	56 14 4	"	"	46 9 3	"	"	"	10 5 1	"
Total Estimate Rupees			56							56	
Deduct the amount of Revised Estimate Rupees			1560			1560		501 11 9		761 11 9	
Net amount saving Rupees			1300								
			260								

State Engg Office
29 May 1873
Compd
Sd/-

Lieut. Robert Smith Esq
District Engineer Madras

174
 Mr. John Johnson,
 Please let me
 have the Estimate &
 Specification of Public
 Station House, altered
 in f.o. No 2072-20
 August 1873. Also the
 Plan & Estimate of
 mentioned in f.o. No 1723.
 30 July 1873.
 Yr. Obedt
 J. P. Washburn
 28-8-73

Bellevue Station & Alter
 from the South Entrance,
 Station dated 29th
 May 1873. 8th 757

to the Secretary to the
 Board.
 Station.

Pl. 3 July 1873
 Comparative Statement
 showing the
 difference between a
 single and a revised.
 Estimate for Constructing
 4 Police Stations at
 Providence.
 P.M. 3302/73.

P. W. D.

1723

Proceedings of the Madras Government,

Under date the

187 .

Read the following:—

From the S. Secy. Madras, (H. E. No. 757 of 29 May/73)

The revision of
estimate reported in
this letter does not com-
mend itself to the
Government as satis-
factory, inasmuch
as it leaves the cost
of each hut at Rs 32.5,
which is too high. And
a reference to the details
of the revised estimate
shows increases of rate

WV

for stone in chunam,
for flooring with brick
in chunam, for honey
comb tile-work for stone
pillars, and for panelled
doors, of which no ex-
planation has been
given as might have
been expected, or re-
duction, not increase,
being called for. An
increase in quantity,
equally unexplained,
is also observed as to
the compound walls.
An apparently high rate
is allowed for brick in
mud. While the obvious
expedients of substituting

Mud for Jelly in chunam
floors, and battened
for panelled doors
and windows, and
dispensing with plas-
tering altogether have
not been availed of.
Indeed an extra item
for Ridge Ventilation
has been added, which
might with economy
be included in the
rate allowed for Roofing.
Together with Ex-
ecutive the Governor in
Council is of opinion
that to ensure some
uniformity of charge
for Courtable Quarters.

in the various Dis-
tricts, the subject
should be taken up
by the Inspecting Engineers
for Buildings; who will
supply District Engineers
with Estimates of quan-
-tities, for materials
to be used in the con-
-struction of such huts
in the Standard Plans
in vague denotation
from which is depre-
-cated without adequate
cause duly reported.

G.M.W.

A in communication with
the Inspector of Police

I Engineer for B...
In Charge of Police
1/5 Controller
Of Engineers
Major Remondy
J. L. De...
Dated 11/7/73

... with regard to ...
... the ...
Police Station ...
Madura District

Stria ch...
9
3K - Hand

The rate for ... has been raised
from 2/8 to 3/ for ... - which is ...
of the way considering the nature of the work -
But it is quite impossible that ...
should cost the same by the 3 for ... - a
rate of 2 for ... allows be ample -

Flooring

The rate for flooring has been raised for
1/8 to 3/ for square, which is ... flooring
appears to be quite of place in temporary ...
in fact a nice hard floor well ...
is not only better but is more the preferred by
the ... - 1/8. May ...

Heavy Comb 14K

The small item for heavy Comb work has been
raised from 1/5/7 to 4/1/7 which is much -
The rate for plastering has been reduced from 2/8
to 1/8 which is much nearer to the proper
rate -

Plastering

The price of the doors has been raised for 12/6
15/ which is far too much for ...
doors - the original rate ... is more than
sufficient -

Doors

item

Ch. 7. 7540 has been granted from
Rid. 10

Ridge Vent. Latent heat
The rate per cubic foot

The rate for Roofing is \$1.18 per square
Shingles is best at \$1.18 per square

Shores is high if Shores be ample to
Cover the ...

Such a small Ventilation

Such as is shown in the above section
in her oil.

$\frac{1}{2} \text{ cup oil}$

Making the connection

Noted the connection of the
above the Interstate

be reduced. The Board of

Rs. 1100 = on 6 Dec 1911

Mr. G. F. Fox R. Building

1000

146-11

17th May 1873

— *noted* *11*
Good and plenty of water.

... ..

[Faint handwritten notes at the bottom of the page]

Chlorophyll

Prof.

Ridge Ventilation

Menu:
on the
Revised Estimate
for the
Police Huts at Poodharyal
Madana Dist.

The Secretary
Pl

17th June 1973

N-58.59.

Cp. 3312

Gobt. of 1873 Madras.

PUBLIC WORKS.

To the Inspector General
Civil & Military
Prisoners.

Daten

Recd.

Encl. 4

G. O. 3^d July 1873, No. 1723

Nos. 589, 592.

Public hunt at Pandavriah,

Madame W. Papey mrs

On letter from the 21st Aug.

of Madras submitting a

Revised Estimate for

Police huts.