

Public (1897) Department.

ORDINARY MS.

G.O., No. 27

DATED 13-1-97

INDEXED

[Despatch Abstract.]

*Standard plan for quarters for hospital assistants.
Requesting the P.W.D. to further revise the estimate with reference to certain instructions given.*

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.
C no	334 of 1897						
C no	1329 of 1897						
C no	2258 of 1897						

Public (1896) Department.

CURRENT No. 4221

CHIEF SECRETARY
16 DEC 1896
GOVERNMENT OF MADRAS

From The P.W. Dept.

Order

No. 4821C

Dated 12th December 1896

Received 16

Registered 17

Enclosures

Spare copies

SUBJECT.

Quarters for the Hospital
Assistants. Reg. the decrease
in the cost of construction

[G.]
26
800-3-10-96.

Public DEPARTMENT.

C. No 4221

H. E. THE GOVERNOR.

THE HON'BLE MR. BLISS, C.I.E.

THE HON'BLE MR. GROSE, C.I.E.

SUBJECT.

*Standard Plan for Quarters
for Hospital Assistants*

FOR ORDERS.

In para 2 of P.O. No 775
Pubd 31st July 1896 the Public
Works Dept was requested
to ~~consider~~ ^{consider} the ~~very~~ ^{most} feasible general
suggestions, with a view, to de-
creasing the cost of constructing
Hospital Assistants' quarters,
the standard plan and
estimate for which
were approved in P.O. No 328
Publ'd 26th June 1895. It
was suggested that this might
be effected by using cheaper
materials and adopting
a less finished style
of construction.

The P. W. Dept now
forwards for approval,
a revised estimate with
materials

materials of ~~the~~ per descrip-
tion. It will be seen that the
estimate has been reduced
from Rs 2850 to Rs 2420.
Comparing the ~~original~~
"descriptive specifications"
it is observed that no change
has been made under foundation,
walling, woodwork & roofing
but under flooring the
following ~~is noted~~:-
1. ~~Calcium~~ ~~lime~~ are
omitted from the ~~specimen~~
specification, and ~~replaced~~ ~~by~~ ~~rich~~
"rich substituted for the ~~rich~~
"as damp course" and
"Portland cement is provided
for the latrine only instead
of originally for all the
outhouses."
Under interior and exterior finishing
it is observed that the instruction
that "where good brick or stone is
available the exterior should be
pointed" is omitted.

The following items
are identical in the two
estimates. The price for
number ① seems high:-

2264 cft.

Excavation for foundation	① 32.64 cft @ Rs 4/10 per 100 cft = Rs 15
Concrete in foundation with broken vitrified bricks	② 28.49 cft @ Rs 14/10 per 100 cft = Rs 399
Earth filling in basement	③ 12.15 cft @ Rs 5/10 per 100 cft = Rs 6
Wrought Iron bolts	④ 9.15 lb @ Rs 2/10 per lb = Rs 2
Roofing with flat and pan tiles, including 2" x 1/2" thick reapers	⑤ 16.66 sq ft @ Rs 14/- per 100 sq ft = Rs 233
Plastering with chunam two coats	⑥ 36.52 sq ft @ Rs 18/6 per 100 sq ft = Rs 66
Painting doors and windows and exposed wood work in roof with three coats oak paint	⑦ 800 sq ft @ Rs 2 1/2 per 100 sq ft = Rs 22
Wood oiling roof timbers, three coats	⑧ 1600 sq ft @ Rs 9/12 per 100 sq ft = Rs 15
Bucket with handle complete	⑨ 1 in number = Rs 12
Bottom shutters for latrine cistern with frames complete	⑩ 18 sq feet @ Rs 1 1/4 per sq ft = Rs 34
Ventilator frames with 3/4" mesh galvanized iron wire netting	⑪ 30 sq feet @ Rs 3/6 per sq ft = Rs 11
	<u>Rs 815</u>

In those noted below

reductions have been made.

(a) For 1118 cft of brickwork in chunam for foundation and basement at Rs 19/8 per 100 sq ft = Rs 215 has been substituted 1101 cft of brickwork in mud with country bricks at Rs 12/- per 100 sq ft = Rs 132	
(b) For 2539 cft. of brickwork for Superstructure at Rs 20/- per 100 sq ft = Rs 507	Substitute { (1) 2279 cft brickwork in mud at Rs 12/- per 100 = Rs 273 (2) 419 cft ditto in chunam @ Rs 17/- per 100 = Rs 71 (3) 420 sq ft damp proof course with asphalt @ 2/6 per sq ft = 92
(c) For 100 cft archwork in chunam @ 24/- per 100 = Rs 24	Sub. 100 cft arch work with Country bricks in chunam @ 22/- per 100 = Rs 22
(d) For 27 cft Teakwood wrought and put up @ 2/8 per c. ft = Rs 44.5	Sub { (1) 39 c. ft teakwood @ 3/6 per c. ft = Rs 37 (2) 88 c. ft. Vengai or Vertek wood @ 2/8 per c. ft = Rs 220
(e) For 6815 sq ft of Plastering with Portland cement 1/2" thick @ 6/8 per 100 sq ft = Rs 44	Sub 70 sq ft Plastering with Portland cement @ 6/8 per 100 sq ft = Rs 5
(f) Petty Supervision @ 2 1/2 per c. = Rs 65	Sub Petty Supervision @ 2 1/2 per c. = Rs 57
(g) Contingencies @ 5 per c. = Rs 131	Sub Contingencies @ 5 per c. = Rs 114

Total Rs. — 1434

Total Rs. — 1123

carries over

For Rs 1424

Sub Rs 1123

(b) For Flooring

(1) 1010 sqft laying concrete for floor 4" thick @ Rs 57 per 100 sqft Rs 51

(2) 1001 sqft Cuddapah slabs for floor @ Rs 17 per 100 sqft Rs 184

Rs 235

Rs 1669

Sub flooring

(1) 711 sqft flooring with 8" square bricks over a 4" bed of concrete @ Rs 100 = Rs 85

(2) 49 sqft flooring door pieces with 8" square bricks exclusion of concrete bed @ Rs 2 per 100 sqft Rs 6

(3) 58 sqft flooring latrine with concrete 4" thick plastered with Portland cement 1/2" thick @ 14 per 100 sqft Rs 8

Rs 99

Rs 1222

Total saving in (a) to (c)

Rs 447

There are increases under the following heads:-

(a) New item 24 sq ft of Honey Comb work with pan-tiles @ Rs 9/6 per 100 sq ft. Rs 2

(b) For Pointing Exterior

2425 sqft @ 3/- per 100 sqft = Rs 73

Sub.

2684 sqft @ 3/- per 100 sqft Rs 81

(c) For Doors and Windows

Sub

(1) 64 sqft Teak wood panel and Venetian doors @ Rs 11 per sqft = Rs 68

(2) 59 sqft do. panel doors @ Rs 14 per sqft Rs 34

(3) 60 sqft do. batten doors @ Rs 15 per sqft Rs 56

(4) 74 sqft Venetian windows @ 1 1/2 per sqft Rs 130

(5) 28 sqft Cuddapah slab ventilators for latrine @ 3 per sqft Rs 5

265

Rs 293

(1) 80 sqft Teakwood panel and Venetian doors @ 14 per sqft Rs 70

(2) 49 sqft do. panel doors @ 12 per sqft Rs 37

(3) 80 sqft do. batten doors & windows @ 12 per sqft Rs 60

(4) 97 sqft Venetian windows @ 1 1/6 per sqft Rs 133

306

Rs 300

Total increase Rs 17

P.T.O.

2264 sqft

Net Result

Deductions Rs 447

Increases Rs 17

Net Reduction Rs 430

Rs 2850 Total Estimate (original)
Rs 2420 Total Estimate (revised)
Reduction Rs 430

It will be seen that there is an increase under doors and windows notwithstanding that cheaper material has been used. This is due to the space allowed for the doors and windows being increased from 265 sqft to 306 sqft.

The total estimate shows a net saving of Rs 430.

It is for consideration whether it is necessary that there should be a standard plan at all. ~~There is no standard plan at all. The estimate is based on the assumption that the doors and windows are of the standard size. It is for consideration whether it is necessary that there should be a standard plan at all.~~

c.w.
 19. XII 96 If local conditions
 as to material, existing
 houses &c, were taken
 into consideration it
 should be possible to
~~provide~~ to provide
 quarters at a minimum
 of cost which would still
 be better than what the
 Hospital could hire,
 and more advantageous
 to him than his \$5 com-
 -pensation, to say nothing
 of the distance the nearest
 hired quarters available
 might be from his work.
 A standard plan involves
 much larger expenditure
 in many cases than is
 absolutely necessary.
 If the style of building suited
 the locality and surround-
 -ings instead of always
 being the same a consider-
 -able saving should eventu-
 -ate, altho' in a few isolated
 cases it might be necessary
 to exceed the present sanc-
 -tioned figure.

If the Standard plan is to be adhered to, it seems clear that the cost of building Hospl. costs Pro. will not be lower than \$400,000 in any case, probably ^{much} higher in most cases.)

1. When the reduced bottle was submitted shd. be accepted. [In this connection it may be noted that it wd. be cheaper to buy it as Comben water runs than to build them however costing Rs. 2400 each. (vide the note Incuding May 2.)]

I think it will be best on the whole
to have a standard plan, because
the saving of labor in preparing
separate plans & estimates, far more.
In case of different plans, though it is
with labor that for a long time to come
we shall have to be unable to afford to
build many H. A. S. quarters. As to the
cost, Dr? where it further goes under:—
omit asphalt dump concrete, R 92.
This hardly ever used—never in
native houses— & people do well
to neglect it.
Reduce the height of walls & verandah
fillers by 18 inches— This will give a
Verandah 6' high to the eaves which
is quite enough for a native house—
use Vengai or Kenteak throughout,
not teak.
Allow no Venetian doors or windows—
no native houses have them.
omit iron bars & frames to windows.
omit Ventilators.
allow much flooring only except
in latrine. Wood floors are the rule
in native houses.
omit painting—
plaster with lime.
omit benches. Why provide
furniture? R 1.

30 in the case of ^{the} Shadrach Allen
Hospl. asst. (Flag C).

[1.]
[24.]

500-28-10-96.

Public DEPARTMENT.

Papers to be read in proceedings:—

Again G.O., dated 26th June 1895, No. 528 Public (abstract),

Again G.O., dated 31st July 1896, No. 775 Public para 2 (a)

Current No. 4221 of 1896, dated 12. XII, from The P. W. Dept. (a)

" " " 189 " " "

" " " 189 " " "

N^o 27. 07/3-1-97.

ORDER.

The P. W. Dept. will here.
Requested to further revise the
estimate with ref.
to the remarks
below:—~~the revised standard~~
~~plan is approved.~~

2. (a) The following items
should be omitted:—

- (1) Asphalt damp course ~~to be~~
- (2) Iron bars and frames to windows
- (3) Ventilators
- (4) Painting
- (5) Bucket ~~to be~~

(b) The height of walls and
verandah ^{pillars} should be ~~to be~~ by
18 inches. This will give verandah
6 feet high to the eaves.

(c) Vengai or Venkat wood should
be used throughout.

(d) Venetian doors and windows
should not be allowed.

(e) Mud flooring ^{only} should be
provided
~~allowed~~ except in the line

and the plastering should
be done with mud.

from a dress

2/11

8/1/97

10/1/97

2013

8.1.97

8.1.97

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When signed
When examined
1897

READ IN G.O., No.
189

CURRENT No.

ENCLOSURES TO C. No.

ORDER OF GOVERNMENT

LETTER OF GOVERNMENT.

STATEMENT WITH DITTO.

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