

Home (1917) Department.
(Education)

Ordinary SERIES.

G.O. No. 1353.

DATED 30-10-1917.

INDEXED

13

[Despatch Abstract.]

Building.

Approving the proposal to substitute Madras terraced roofs and floors for Klean floors and roofs in the construction of the hostel for the Women's Christian College, Madras.

PAPERS PUT UP WITH CURRENT No. _____

Papers of the department to which the current belongs.

Number.	Date.	Original (=O) or spare copy (= S.C.).	Remarks. (In this column such of the papers as have been removed for copying, printing, etc., should be marked with a cross.)	Initials of Referencer with date in token of return to Reference department

Papers of other departments.

Department.	Number	Date.	Original (= O.) or spare copy (= S. C.).	Initials with date of (1) Referencer acknowledging returns of the paper concerned or (2) Despatcher to denote the return of the papers to the department concerned

Public Works Department.

Note by the Chief Engineer, P. W. D., No. 1482

a/

24.5.17

In para (VIII) of the Chief Engineer's note, No. 8

1. 2 of Gons. 5984 (20) 6-5-17 (D)

2 D, dated the 17th April 1917, on the plans and estimates for the construction of a Hostel for the Women's Christian College, Madras, the Chief Engineer stated that the Superintending Engineer should satisfy himself as to the strength of the Kleine floors and roofs for which a provision of Rs. 22,000 has been made in the estimates. The Chief Engineer in another connection has had an experimental test made of this form of construction and the results show that it is ~~not~~ unsatisfactory. He cannot therefore approve of the provision made for the purpose in the estimates for the Hostel. The Director of Public Instruction may be requested to obtain and submit fresh proposals in substitution of Kleine floors and roofs.

W. 22.5.17
for E.W.

C.No. 334, from the, No., dated 191

Memorandum. No. 334 B-1, dated 29-5-1917

With reference to the Chief

~~Engineer's~~ ^{plants} note No. 148 D of the 24th May, 1917 (Copy enclosed) disapproving the provision of Khen floors and roofs in the estimates relating to the hostel attached to the Women's Christian College, Madras. The S.P.O. is requested to obtain and submit to Govt., at an early date, fresh proposals in substitution of Khen floors and roofs as required by the Chief Engineer.

28.5.17.

29/5/17

May 29/5/17

To S.P.O. with enclosure

Home (Education)

DEPARTMENT.

Received



Registered

191

Subject.

SUBMITTING COPY OF LETTER FROM THE PRINCIPAL, WOMEN'S CHRISTIAN COLLEGE MADRAS, CONTAINING FRESH PROPOSALS IN SUBSTITUTION OF KLEINE FLOORS AND ROOFS ORIGINALLY PROPOSED FOR THE HOSTEL.

ENCLOSURES.

No.

Spare copies

Re No. 9856/16

Station Madras

, Dated the

31-7-

1917

From (Name) The Hon'ble Mr. J.H. Stone, M.A., F.R.H.S., C.I.E

(Designation) Director of Public Instruction,
Madras.

To The Secretary to the Government of Madras,

Home (Education) Department.

Sir,

With reference to your memorandum No. 354

B-1, dated 29-5-1917, I have the honour to submit herewith a copy of letter dated 25-7-17, of the Principal, Women's Christian College, Madras, containing fresh proposals in substitution of Kleine floors and roofs originally proposed for the hostel. The enclosures to the letter are also submitted.

I have the honour to be,

S I R,

Your most obedient Servant,

N. Arive.

for Director of Public Instruction.

T.V. N.

5 *[Signature]*
Letter from the Principal, Women's Christian College,
Madras, dated 25th July 1917.

(1) "As desired in your Proceedings R.C. No. 9856/16,
dated 19th instant, I have the honour to submit fresh proposals
for the floors and roof of the proposed Hostel of this College.
It is now proposed to employ ordinary Madras terrace instead of
the Kleine form of construction.

(2) On receipt of your Proceedings R.C. No. 9856/16, dated
the 19th May 1917, the steel beams required for the Kleine floors
and roof were contracted for and have all been supplied. The
enclosed plan and other papers contain proposals for utilising
all of these. Some of them are of different section from what
would have been obtained had the Madras terrace been decided
upon originally, but as shown in the enclosures they can all
be made use of; but some additional ones will have to be got.

(3) It is probable that some of these additional ones will
not be procurable in the present depleted condition of the local
market. It will then be necessary to use teak beams instead of
such such steel beams as are unobtainable. The enclosed
statement of "beams to be indented for" accordingly shows the
alternative teak scantlings that would in that case be adopted.

(4) I should perhaps mention that the ~~present~~ proposals
involve an expenditure of Rs. 2,000/- (approximately) in
excess of the cost of Kleine construction shown in the sanc-
tioned estimate of the Hostel.

(5) I shall be very thankful if you will be so good
as to communicate to me your approval at a very early date,
as the progress of the building may otherwise be seriously
hindered."

[Signature]
for Director of Public Instruction.

04
31/7

E. N. O. T. E.

6692cd426.10.17 b

The drawings bearing D.P.I. Nos.

nos para 1 of CE
 with 2DD17-17 Fly

200 (A), 200 (B) & 200 (C) and detailed estimates amounting to Rs. 1,35,085 for constructing a hostel for the Women's Christian College, Madras, were, subject to certain modifications, approved in G.O. No. 598-Home (Education) dated 6-5-17.

D

VI. The Kleine floors and roofs provided in the above estimates were, on subsequent considerations, not approved of by the Chief Engineer; and in his Note No. 148-D dated 24-5-1917 the Director of Public Instruction was requested to obtain and submit fresh proposals in substitution of Kleine floors and roofs.

=/1 aut

III. Accordingly, it is now proposed to adopt Madras terraced floors and roofs; and a statement shewing the sizes of rolled steel girders required for this purpose and of teak beams (as an alternative proposal in case girders are not available) and also the sizes of teak joists is submitted for approval.

IV. This statement has been examined in the Chief Engineer's office and the remarks thereon are as follows :-

(1) Brick nogging partitions should be substituted for walls A, B and C D (marked on the Drawing bearing Sheet No. 1) carried by the girder G.G. over Students' common room; and the size of the

M

latter should be 14" x 6" @ 57 lbs.

(single girder) for carrying the partitions, and 15" x 5" @ 42 lbs. for carrying the roof. The portion of wall marked E F (in Ground and 1st floors) subjected to the heavy pressure from the girders should be built in cement.

(2) According to the drawing sheet No.(1) it is proposed that the wall X Y in Students' Common room is to be carried on girders resting over 3 cast iron columns, and the centre one of the latter has, in addition, to carry the end of the girder G.G. As it will be difficult to make a good bearing on this column it is recommended that two columns instead of one may be provided in the centre as shown on flap dated 8-10-1917 (Figure A)

If steel girders and cast iron columns are not available, walls pierced with arched openings should be provided as shown on flap dated 8-10-1917 Figure (B).

(3) The pressures on columns Z & Z' (marked on sheet No.1) carrying the exterior wall of the bath room attached to staff quarters on the 2nd floor exceed the permissible limit for brick in cement; double columns (each 1'-3" in diameter) instead of single ones should be provided as shown on flap dated 8-10-1917, figure (C) and constructed in cement.

-: 3 :-

(4) As the pressure on verandah columns in all floors exceed the permissible limit of 4 tons per sq.ft. (for brick in lime mortar) they should all be constructed in cement and their sizes should be as figured on flap dated 8-10-1917, figure (D)

(5) The sizes of teakwood joists supporting the floors and roofs over Students' bath rooms are, according to the detailed measurements now submitted 3" x 9". These are suited to an unsupported length of 12 ft. as provided in the drawing originally submitted. This length was, according to paragraph II (3) of the Note by the Chief Engineer No.2 (D) dated 17-4-17 embodied in the G.O. referred to in para 1 supra, increased to 14'-0". The figure (E) in flap dated 8-10-1917 showing the sizes and dispositions of teak-wood joists supported on a rolled steel girder or a wooden beam, as suited to the increased size of the room should be adopted.

V. The sizes of the cast iron columns in the staff common room are, according to the Drawing bearing sheet No.1, 6" in diameter, 1/2" metal, weighing 52.6 lbs per foot. This thickness and weight are suited to columns 7" in diameter and the latter should be adopted. The caps of columns must be made wide enough to give a good bearing to the three girders each of which has flanges 4" in width.

VI. Subject to the foregoing remarks
the revised proposal now submitted is
approved.

C.F.S.
23/10/17

(Jd) D.M.
26.10.17

CURRENT No.

Subject:—

See

NOTES.

Re the Construction of a hostel for
the women's Christian College
Madras.

Note by the chief Engineer PWD
No 148D D. 24.5.17.

flag 'F'

D.S.

Plans and estimates amount-
ing to Rs 1,35,085 for Constructing
a hostel for the women's Christian
College, Madras, ^{were} sent to
the chief Engineer's office
and recommended for
sanction. vide note by the chief
Engineer P.W.D No 2D 5 17.4.17.
The file was forwarded to
the Educational dept with
P.W.D. No 643 wh B/17 - 1
5 17.4.17. In the estimate
referred to above Kleine floor
have been approved subject
to certain conditions - vide
para VIII of the chief Engineer's
note No 2D 5 17.4.17. Since
then, however, the chief Engineer
has come to the conclusion
that this form of floor is
not a satisfactory one and
accordingly

Disposed of in G.O.
5984 (204) dt 6.5.17

flag 'D'

du

9
accordingly modifies para VIII
of the note referred to above.
vide the C.E.'s note read above.
This may now be forwarded
to the Educational dept in
Continuation of the file forwarded
to that dept with P.W. No.
N.O. 643 under B/17-1517-4-17

une

22/5

pl

22.5.17

from
22.5.17

22.5.17

P.W.U.O. No. 3690
DATED 24.5.17

Educational W



Ed B

no 334

ac 25577

Home (con) Dept.

A draft memo. to the D.P.S. is subd. for approval

100

28.5.17

CA
28.5.17

29/5/17



Eden no 334 B-2

pl

17.5.17

[memo. no 334 B-1 dt the 29-5-17]

[No. 7557]. From the D.P.S. Re. No. 9856/16 dt the 31-7-17.
the revised plan and estimate may be
forwarded to the P.W.D. W.O. with reference
that department's note above.

PA
6.8.17

CA

7.8.17

P.W.D. no.

10

PWD

pp 5-8 cf Note by the Chief Engineer PWD. N-6692 C 526 x 17

S.S.

p 3 cf

pp 5-8 cf

The revised proposals submitted by the S.P.I. with his letter N-De 9856/168 31.7.17 have been examined in the Chief Engineer's office. ~~The proposals of them~~ ^{Chief Engineer} and recommends them for the sanction of Govt. Subject to his remarks contained in his note read above. The file may now be transferred to the Home Dept. (Education) for the issue of orders.

M. K. 26.10.17 26.10.17

26.10.17

P. W. No 2520 15/10/17

26 x 17.

With two blue prints

Home Ed. no.



Home Dept. (Ed.?)

Para (4) and p. 4 & 5

A draft order is subd. 2 It may be mentioned that the Principal of the Women's Christian College has reported that the present proposals would involve an additional expenditure of

Rs 2,500 approximately. But neither the Principal nor the D.P.D. had made any specific request for extra grant on that account. It

is perhaps unnecessary to consider that question until the authorities of the College specifically make an application therefor.

29.8.17
Ld.
29.10.17

he need not raise the question of pay now.

29.10.17
Ld.
30.10.17

(Edo²). B.

Ca
29.107
30.107

When given for copying

When copied

When examined

When signed

191

READ AGAIN G.O. No.
191

DATED

CURRENT No.

ENCLOSURES TO C. No.

ORDER OF GOVERNMENT

LETTER OF GOVERNMENT

STATEMENT WITH DITTS.

PAPERS NOT FILED UP, BEING MEANT FOR DESPATCH
IN ORIGINAL.

N.B. -

- A - Copy in full.
- B - Not to be copied.
- P - Copy abstract only.
- Q - Copy heading only.

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