

CIRCULAR NO. 15

Sub: Constn. of 4 storeyed residential flats with load bearing construction in 9" thick wall Checking of verticality. -----

It is common knowledge that with use of 9" thick load bearing brick masonry wall in 4-storeyed construction, it is extremely important to ensure that the walls are truly vertical and in plumb. This point has been stressed time and again during site inspections as well as discussions in the Co-ordination Meetings held with CE/ACEs/SEs. It is once again enjoined on all concerned to pay special attention to this point during day-to-day supervision as well as periodical inspections. The verticality of walls should be checked frequently for which necessary arrangements (plumb bob) etc. should be readily available at site. Whenever the walls are out of plumb, necessary remedial measures must be taken well in time either by way of dismantling and re-doing the work or by rectifying the defects through other means of rectification/strengthening.

2. In this regard attention is also invited to para 6.2.8 scaffolding on page 126 of CPWD specification, 1977, Vol. I (Annexure A). It has been the general experience that if masonry work is carried out with proper scaffolding from out side with frequent checking of plumb, much better results are obtained with regard to vertically of the walls, It is, therefore, necessary that brick masonry work is carried out with scaffolding from outside only. This should also be carefully noted for strict compliance.

Sd/-
(K.D. BALI)
ENGINEER MEMBER

ANNEXURE-A6.2.8. SCAFFOLDING:-

For all exposed brick work or tile work, double scaffolding having two sets of vertical supports shall be provided. The supports shall be sound and strong, tied together with horizontal pieces over which scaffolding planks shall be fixed.

For all other brick work in building, single scaffolding shall be permitted. In such cases, the inner end of the horizontal scaffolding pole shall rest in a hole provided only in the head course for the purpose. Only one header for each pole shall be left, out. Such columns less than one metre in width, or immediately near the skew backs of arches. The holes left in masonry works for scaffolding purposes shall be filled and made good before plastering.

NOTE:

In case of special type of brick work, scaffolding shall be got approved from Engineer-in-charge in advance.
