

Subject: Guidelines for ATR and refusing QC check.

Keywords: QC check, ATR.

The following guidelines are to be strictly followed by QC team.

1. QC report must be given to site and uploaded on M-codex on the day of inspection.
2. Engineers should not proceed to next stage of inspection without receiving and copy of QC report and making corrections recommended in the QC report.
3. QC inspection should be refused/cancelled in case of any one of the defaults given below. An email must be sent to site for cancelling the QC inspection with brief reasons/suggested corrections.
 - a. Form work or rod bending or electrical work is not completed before casting slab.
 - b. Marking with white enamel 2' or 60 cms above proposed concreting level for footings, pedestal, plinth or columns is not marked.
 - c. PCC under footings is not correct or has a slope of more than 2".
 - d. If QC report for previous stage is not available in file and/or not signed by project manager.
 - e. Columns are broken, chipped, cracked or steel of column is twisted at the time of casting plinth beam.
 - f. At time of casting plinth beam the height of column below plinth beam is less than more than 1" from the bottom of the plinth beam.
 - g. If pedestal report is not available at the time of checking plinth beam.
 - h. If reference level is not marked on the columns at the time of column check.
 - i. If chicken mesh work is not completed at the time of brick work stage.
 - j. If 3.75 cft proportion box is not available on the floor or in the villa at the time of QC check for brick work.
 - k. If water provision is missing, improper or pipes are leaking.
 - l. Screeding is not done inside or outside bathrooms at time of electrical/ plumbing check.
 - m. If hole packing is not done or holes for junction boxes and fan hooks are not plastered correctly.
 - n. If templates for window check are not available.
 - o. If door shutters are not fitted with blocks and stoppers at the time of stage II check.
 - p. White cement filling along plumbing lines is not done within stage II check.
 - q. If edge building and /or switchboard covering with plastic is not done at the time of stage III check.
 - r. If quality of starters is poor.
4. ATR is mandatory in case of any one of the following defaults:
 - a. Covering blocks are of incorrect size.
 - b. Any error in form work or rod bending.
 - c. If honey combs are not covered in any RCC structure.
 - d. In case of errors in dimensions, missing doors, templates in brick work check.
5. Engineers to send photographs without any default for the following:
 - a. Before plastering on external side of apartments – photo hacking and chicken mesh fixing.
 - b. Slump cone for every load of RMC. Slump cone for site mix.
 - c. Footings that are been casted without QC inspection, however with advance approval of QC. This is only applicable where a few footings are being casted on a later date because of water logging or other issues.

- d. Setup of miller mixture along with proportion boxes (1.25 cft – atleast 2 nos).
- e. In case of hand mix of CC at site (limited to CC beds, lentils, chajjas, lofts, etc.), showing use of proportion box and steel sheet if required. Hand mix cannot be used for footings, columns and slabs.
- f. Bunds/ponding for curing. It should be less than 100 sft.
- g. Gunny bags for curing columns.
- h. Photographs to be sent where QC report is marked for ATR:
 - i. Improving curing infrastructure.

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