

Sub.: Curing

There are several complaints from customers, consultants and I have myself observed that curing at most sites is erratic and mostly left unsupervised. To correct the situation these guidelines are being issued which are to be strictly followed.

RCC works including footings, pedestals, plinth beams, columns, slabs, partition walls, roads, manhole covers, etc., have to be cured for atleast 3 weeks.

Civil work like brick work, first and second coat plastering, kalai finish, CRS wall, etc., must be cured for atleast one week.

Notes:

1. Columns must be cured using gunny bags.
2. Curing must start on the following morning after casting concrete.
3. For ready mix concrete water must be sprinkled on concrete four hours after the pour to avoid hairline cracks.
4. Flat surfaces like slabs and roads must be cured using bunds made in stone dust. Bunds should not exceed 100 sft in size. Bunds must be made on the following morning after casting.
5. On slabs ensure that bunds are made leaving a 9" space around column starters so that columns can be casted without disturbing the bunds.
6. In apartments lift pits must be used for storing water and curing must be done through a 1 HP submersible pump installed in the lift pit. Use a 1 1/4" GI pipe with a outlet valve on each floor for curing.
7. In bungalows use a 1 1/4" HDPE pipe installed around the peripheral boundary of the site for curing. An outlet must be provided at an interval of 150 ft. Alternately, use the underground water supply pipe of the same size provided for gardening.
8. Distance of farthest point from water outlet must be less than 100 ft. Under any circumstances it should not exceed 150 ft. Pressure in the pipe should be adequate. Immediately replace broken pipes.
9. For footings fill back with earth as soon as possible and flood the earth with water to ensure proper curing.
10. QC shall ensure that these guidelines are strictly adhere too. Fine the contractor and project manager/engineer for any default.
11. Curing must be done by contractor, however, in case of non-availability of contractors labour, use department labour and debit it to the contractor.

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