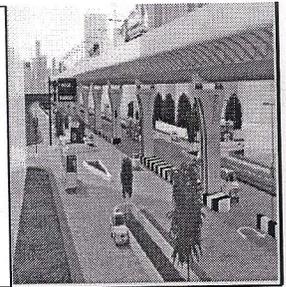




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Date: - 2-7-14

### Inspection Note

**Sub: - Inspection Note for the work of "Comprehensive Development of Corridor (Outer Ring Road) between Madhuban Chowk to Mukarba Chowk."**

Inspected the Dheerpur casting yard on 01.07.2014. In the quality lab, tested the 28 days cubes of M-60 concrete and strength was found to be satisfactory. Also did the trial mix for self-compacting concrete of M-60 concrete using PC based admixtures of FOSROC and BSAF. After preparation of concrete, did the testing for U-box, L-box, Flow table and V funnel tests. The design mix was passing all the tests except Spread and it was directed to repeat the trail mix with different qualities of admixtures.

Then, discussed the various issues w.r.t. segment casting with Mr. A.K. Rai, Mr. Trivedi and Mr. Kharya of M/s. ITD & EE, F-131 & EE, F-134, Mr. Shrivastva and other AEs from PWD side. It was informed that some of the Engineers of M/s. ITD deployed for the casting of spine segment are really very sincere but others need to be motivated to have more output as well as quality. It was reiterated that we should have a target of 90 segments per month per division with three bed as already discussed on many occasions. The critical issues were identified as detailed below: -

- (1) As already mentioned earlier, one bed should have 2 zigs for diaphragm segment and 2 zigs for running segment. Therefore, for 3 beds, total 12 zigs should be there to prepare the segment cages.
- (2) For lifting and placing of zigs & removal of shuttering, Crane of suitable capacity may be deployed separately so that Gantries are not occupied for longer period for such small activities.
- (3) It was also estimated that in one division, around 180 Labour (75 Labour for diaphragm segment and 105 for running segment) are required to produce 90 segments from 3 beds. Accordingly for two division, 360 labour for spine segment casting is required.
- (4) For stacking, it was advised to extend the casting bays on both side to the maximum possible.