

### Objectives and Course Content of Short Term Courses

Operational Plan No.	CE-18
Name of the Course	Quality Control of Concrete
Objectives of Course	<ul style="list-style-type: none"><li>• The course shall aim to develop competence in knowing the fundamentals involved in testing of various ingredients of concrete apart from knowing procedures for testing concrete both in the fresh and hardened state.</li><li>• All Physical properties of ingredients of concrete which imparts the development of concrete shall be discussed with reference to Codal Provisions.</li><li>• Impact of change in source of materials on field results shall also be discussed while focussing on adjustments encompassing such variations.</li><li>• Use of NDT equipments shall also be demonstrated to the participants including design of concrete mixes.</li></ul>
Course Content	<ul style="list-style-type: none"><li>• Discussion on different types of cement and physical testing of aggregates, both coarse and fine.</li><li>• Significance of concrete both in the fresh and hardened state.</li><li>• Mixing of concrete ingredients including testing techniques using Non-destructive testing methods of concrete.</li></ul>
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