

Lecture 4.28: Different methods of Mix Design and its suitability.

Concrete Technology (DI04006011)

Civil Engineering Department

Lecture Agenda

- 1. Different methods of Mix Design and its suitability.
- 2. Summary and Q&A

4.3 Different methods of Mix Design and its ...

- IS Method (IS 10262): The standard Indian method, based on empirical relationships and local materials.
- ACI Method (American Concrete Institute): Based on the absolute volume method and dry-rodded aggregate weight.
- DOE Method (British Method): Focuses on the relationship between compressive strength and free water-cement ratio.
- Suitability: The IS method is mandatory for structural concrete projects in India.
- Mix design must be verified by casting trial batches and adjusting for yield and workability.

Summary

- Recap of the specific material properties and methods discussed.
- Always refer back to the standard IS codes for parameter limits.