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## - MIX DESIGN :-

- 1) Grade designation = M25
- 2) Type of Cement - OPC
- 3) Max Cement Content -  $450 \text{ kg/m}^3$
- 4) Max size of aggregate - 20mm
- 5) Min. Cement Content -  $300 \text{ kg/m}^3$
- 6) Max. Water-Cement ratio - 0.5
- 7) Workability = 100 mm (Slump)
- 8) Type of aggregate = Crushed angular
- 9) Chemical Admixture Type = Super plasticizer
- 10) Exposure Condition = Severe (for Rec)

## Test Data Materials:-

- a) Cement used : OPC grade 43
- b) Sp. gravity of Cement = 3.15
- c) i) Sp. gravity of Coarse aggregate = 2.74  
ii) Sp. gravity of fine aggr. = 2.7
- d) Water absorption :
  - i) Coarse Aggr. = 0.5%
  - ii) Fine Aggr. = 1%