

MIX DESIGN, M-25

Sample submitted by : AGE B/R Ludhiana
Vide letter No : 800/CEJZ/FZR-14/15-16/68/BR dated 31 Mar 2016
CA No : CEJZ/FZR-14/2015-16
Material tested : Mix -25
Method Adopted : IS : 456, & IS-10262
S. No & Date : 13 dated 07 Apr 2016

A. STIPULATIONS FOR PROPORTIONING

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|-----|----------------------------|----------------------------------|----|
| (a) | Grade designation | M-25 | 25 |
| (b) | Type of cement | PPC conforming to IS:1489 Part-I | |
| (c) | Maximum nominal size of | 20mm | |
| (d) | Degree of Quality Control | Good | |
| (e) | Degree of Workability | As per IS-456 | |
| (g) | (slump) | 50-75 mm | |
| (h) | Cement Content | As per IS 456-2000 Table 5 | |
| (j) | Maximum water-cement ratio | As per IS 456-2000 Table 5 (0.5) | |
| (k) | Type of aggregate | Crushed | |
| (l) | Exposure condition | Moderate | |
| (m) | Chemical admixture type | NA | |

B. TEST DATA FOR MATERIALS

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|-----|----------------------|--|
| (a) | Cement used | (PPC Shree Cement conforming to IS:1489 pt-I) |
| (b) | Specific gravity | |
| | Cement | 3.15 |
| | Coarse aggregate | 2.66 |
| | Fine aggregate | 2.75 |
| | Admixture | 0.00 |
| (c) | Water absorption | |
| | (1) Coarse aggregate | 0.70% |
| | (2) Fine aggregate | 0.65% |