



Anjani Portland Cement Limited

(A Subsidiary of Chettinad Cement Corporation Limited)

TEST CERTIFICATE

Ref: 1APCL/QUAS/TEST/ W.No: 36

Date of Despatch: 04.09.2016

| Particulars | Test Result | Requirement as per IS 8041 : 1990 |
|--|-------------|--|
| CHEMICAL (As per IS: 4032-1985) | | |
| • LOI (%) | 1.24 | 5.0 Max. |
| • I.R. (%) | 0.84 | 4.0 Max. |
| • SO ₃ (%) | 2.22 | 2.50 % Max. (When C3A ≤ 5 %) 3.00 % Max. (When C3A ≥ 5 %) |
| • MgO (%) | 0.84 | 6.0 Max. |
| • Chloride (%) | 0.02 | 0.05 Max. |
| • L.S.F. | 0.89 | 0.66 to 1.02 |
| • A/F | 1.26 | 0.66 Min. |
| PHYSICAL (As per IS: 4031-1988) | | |
| • Spec. Surface (M ² /Kg) | 364 | 325 Min. |
| SOUNDNESS: | | |
| • Le-Chatlier (mm) | 01 | 10 Max. |
| • Autoclave (%) | 0.048 | 0.8 Max. |
| SETTING TIME (Minutes) | | |
| • Initial | 115 | 30 Min. |
| • Final | 215 | 600 Min. |
| COMPRESSIVE STRENGTH (M Pa) | | |
| • 1 Day | 26.6 | 16 Min. |
| • 3 Days | 40.8 | 27 Min. |

Certified that the cement complies with IS 8041 : 1990

Manager (QUAS)

Vice President(Works)