



# Anjani Portland Cement Limited

( A Subsidiary of Chettinad Cement Corporation Limited )

## TEST CERTIFICATE

Ref: 1APCL/QUAS/TEST/ W.No: 14

Date of Despatch: 03.04.2016

| Particulars                            | Test Result | Requirement as per IS 8041 : 1990                            |
|--|-------------|--|
| <b>CHEMICAL (As per IS: 4032-1985)</b> |             |  |
| • LOI (%)                              | 0.99        | 5.0 Max.   |
| • I.R. (%)                             | 1.06        | 4.0 Max.   |
| • SO <sub>3</sub> (%)                  | 2.24        | 2.50 % Max. (When C3A ≤ 5 %)<br>3.00 % Max. (When C3A ≥ 5 %) |
| • MgO (%)                              | 0.74        | 6.0 Max.   |
| • Chloride (%)                         | 0.01        | 0.05 Max.  |
| • L.S.F.                               | 0.87        | 0.66 to 1.02   |
| • A/F                                  | 1.24        | 0.66 Min.  |
| <b>PHYSICAL (As per IS: 4031-1988)</b> |             |  |
| • Spec. Surface (M <sup>2</sup> /Kg)   | 372         | 325 Min.   |
| <b>SOUNDNESS:</b>                      |             |  |
| • Le-Chatlier (mm)                     | 01          | 10 Max.  |
| • Autoclave (%)                        | 0.04        | 0.8 Max.   |
| <b>SETTING TIME (Minutes)</b>          |             |  |
| • Initial                              | 120         | 30 Min.  |
| • Final                                | 200         | 600 Min.   |
| <b>COMPRESSIVE STRENGTH (M Pa)</b>     |             |  |
| • 1 Day                                | 27.8        | 16 Min.  |
| • 3 Days                               | 39.4        | 27 Min.  |

Certified that the cement complies with IS 8041 : 1990



Manager (QUAS)



A.V.P. (Ope. & QUAS)