



An ISO 9001:2008 Company

Anjani Portland Cement Limited

(A Subsidiary of Chettinad Cement Corporation Limited)

Ordinary Portland Cement 53 Grade Test Certificate

Ref.: APCL/QUAS/TEST/ W.No:46

Date of Despatch: 12.11.16

| Particulars | Test Result | Requirement as per IS 12269 : 2013 |
|---|-------------|------------------------------------|
| CHEMICAL (As per IS: 4032-1985) | | |
| • LOI (%) | 1.62 | 4.0 Max. |
| • I.R. (%) | 2.98 | 4.0 Max. |
| • SO ₃ (%) | 2.32 | 3.5 Max. |
| • MgO (%) | 0.85 | 6.0 Max. |
| • Chloride (%) | 0.02 | 0.10 Max. |
| • L.S.F. | 0.89 | 0.80 to 1.02 |
| • A/F | 1.22 | 0.66 Min |
| PHYSICAL (As per IS: 4031-1988) | | |
| • Spec.Surface (M ² /Kg) | 288 | 225 Min. |
| SOUNDNESS: | | |
| • Le-Chatlier (mm) | 01 | 10 Max. |
| • Autoclave (%) | 0.054 | 0.8 Max. |
| SETTING TIME (Minutes) | | |
| • Initial | 145 | 30 Min. |
| • Final | 245 | 600 Min. |
| COMPRESSIVE STRENGTH (M Pa) | | |
| • 3 Days | 35.3 | 27 Min. |
| • 7 Days | 46.1 | 37 Min. |
| • 28 Days | U.T. | 53 Min. |

Certified that the cement complies
With IS 12269 : 2013

Manager (QUAS)

Vice President(Works)

Works : Anjanipuram, Gudimalkapuram(V), Mellacheruvu(M), Nalgonda (Dist), Telangana State – 508246

Head Office : # 6-3-553, Quena Square – 4th floor ,E3 & E4 ,Erramanzil , Somajiguda , , Hyderabad -500 082,Telangana,INDIA.