



# Anjani Portland Cement Ltd

Anjani Cement Center, Plot No. 7 & 8 Nagarjuna Hills, Punjagutta, Hyderabad 500 082. AP

## Ordinary Portland Cement 43 Grade Test Certificate

Ref.: APCL / QC / TEST

Date of Dispatch : 20/10/2011

| Particulars                             | Test Result | Requirement. as per IS 8112 : 1989   |
|---|-------------|--|
| <b>Chemical</b> (as per IS : 4032-1985) |             |  |
| • LOI (%)                               | 1.72        | 5.0Max   |
| • I. R (%)                              | 3.02        | 5.0Max   |
| • So <sub>3</sub> (%)                   | 2.52        | 2.5% Max (When C <sub>3</sub> A ≤ 5%)<br>3.0% Max (When C <sub>3</sub> A ≥ 5%) |
| • Mgo(%)                                | 0.83        | 6.0Max   |
| • Chloride (%)                          | 0.010       | 0.10Max  |
| • LSF                                   | 0.85        | 0.66 to.02   |
| • A/F                                   | 1.32        | 0.66Min  |
| <b>Physical</b> (as per IS : 4031-1988) |             |  |
| • Spec. surface (m <sup>2</sup> /kg)    | 328         | 225Min   |
| <b>Soundness</b>                        |             |  |
| • Lechatlier (mm)                       | 1.0         | 10Max  |
| • Autoclave (%)                         | 0.003       | 0.8Max   |
| <b>Setting Time (minutes)</b>           |             |  |
| • Initial                               | 120         | 30Min  |
| • Final                                 | 235         | 600Max   |
| <b>Compressive Strength (M. Pa.)</b>    |             |  |
| • 3 days                                | 31.9        | 23 Min   |
| • 7 days                                | 40.9        | 33 Min   |
| • 28 days                               | U.T.        | 43 Min   |

A.Mgr (Q.C)

Certified that the cement complies  
with IS 8112 : 1989

G. M (Q. A)