



ISO 9001, ISO 14001, ISO 50001 & OHSAS 18001  
Certified by IRQS

IS 269  
  
CM/L-4481668

**JSW CEMENT LTD.,  
VIJAYANAGAR WORKS**

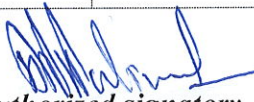
**IS: 269:2015**

**OPC 53 GRADE ORDINARY PORTLAND CEMENT  
TEST CERTIFICATE**

S.No	Characteristics	Requirement as Per IS 269:2015	Test Result
<b>CHEMICAL REQUIREMENTS</b>			
1	Lime Saturation Factor (Range)	0.80-1.02	0.82
2	Alumina Modulas (Min.)	0.66	2.15
3	Magnesia (MgO %)( Max.)	6.0	2.47
4	Loss On Ignition (%) (Max.)	4.0	2.87
5	Insoluble Residue (%) (Max.)	5.0	2.85
6	Chloride (%) (Max.)	0.1	0.006
7	Sulphuric Anhydride (SO <sub>3</sub> %) Max.	3.5	3.07
<b>PHYSICAL REQUIREMENTS</b>			
1	Fineness (M <sup>2</sup> /Kg) (Min)	225	392
2	Setting Time (minutes) a) Initial (Min) b) Final(Max)	30 600	90 170
3	Soundness a) Le-chatelier (mm) (Max.) b) Auto Clave (%) (Max.)	10 0.8	1.00 0.01
4	Compressive Strength (MPa) a) 3 days(Min) b) 7 days(Min) c) 28 days (Min)	27 37 53	38.60 47.92 62.33

**Week No.29**

**15.07.2020- 21.07.2020**

  
*Authorized signatory*