

DS/15-08.01



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



JSW CEMENT LTD.,
Bilakalagudur

IS: 269:2015

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

S.No	Characteristics	Requirement as Per IS 269:2015	Test Result
CHEMICAL REQUIREMENTS			
1	Lime Saturation Factor (Range)	0.80-1.02	0.83
2	Alumina Modulus (Min.)	0.66	1.66
3	Magnesia (MgO %)(Max.)	6.0	1.88
4	Loss On Ignition (%) (Max.)	4.0	1.78
5	Insoluble Residue (%) (Max.)	5.0	1.03
6	Chloride (%) (Max.)	0.1	0.008
7	Sulphuric Anhydride (SO ₃ %) Max.	3.5	2.66
PHYSICAL REQUIREMENTS			
1	Fineness (M ² /Kg) (Min)	225	304
2	Setting Time (minutes) a) Initial (Min) b) Final(Max)	30 600	165 223
3	Soundness a) Le-chatelier (mm) (Max.) b) Auto Clave (%) (Max.)	10 0.8	0.60 0.04
4	Compressive Strength (MPa) a) 3 days(Min) b) 7 days(Min) c) 28 days (Min)	27 37 53	35.00 44.00 55.40

“5.0% Slag is added as permitted performance improver”

Week No.29

15.07.2020- 21.07.2020

Authorized signatory