

DS/15-08.02



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



**JSW CEMENT LTD.,
Bilakalagudur**

IS: 455: 2015

TEST CERTIFICATE FOR PORTLAND SLAG CEMENT

S.No.	Characteristics	Requirement as Per IS 455:2015	Test Result
	CHEMICAL REQUIREMENTS	% Max.	
1	Magnesium Oxide (% MgO)	10.0	4.07
2	Sulphur Trioxide (% SO ₃)	3.5	1.59
3	Sulphide Sulphur (% S)	1.5	0.48
4	Loss On Ignition (%)	5.0	0.58
5	Insoluble Residue (%)	4.0	0.48
6	Chlorides (%)	0.1	0.007
	PHYSICAL REQUIREMENTS		
1	Fineness (M ² /Kg)(Min)	225	365
2	Setting Time (minutes)		
	a) Initial(Min)	30	180
	b) Final(Max)	600	240
3	Soundness		
	a) Le-chatelier (mm)(Max)	10	0.50
	b) Auto Clave (%) (Max)	0.8	0.04
4	Compressive Strength (MPa)		
	a) 72 ± 1h (3 days)(Min)	16	20.90
	b) 168 ± 2h(7 days)(Min)	22	31.10
	c) 672 ± 4h (28 days)(Min)	33	45.40

Week No. 29

15.07.2020 – 21.07.2020

Kaxi MK.

Authorized signatory