



CM/L-5710037013

**JSW CEMENT LTD.,  
SALBONI, WEST MIDNAPORE, WESTBENGAL**



**TEST CERTIFICATE FOR PORTLAND SLAG CEMENT**

S.No.	Characteristics	Requirement as Per IS 455:2015	Test Result
	<b>CHEMICAL REQUIREMENTS</b>	% Max.	
1	Magnesium Oxide (% MgO)	10.0	3.47
2	Sulphur Trioxide (% SO <sub>3</sub> )	3.5	1.75
3	Sulphide Sulphur (% S)	1.5	0.16
4	Loss On Ignition (%)	5.0	1.48
5	Insoluble Residue (%)	4.0	0.79
6	Chlorides (%)	0.1	0.005
	<b>PHYSICAL REQUIREMENTS</b>		
1	Fineness (M <sup>2</sup> /Kg)(Min)	225	380
2 a	Normal Consistency (%)		31.50
b	Setting Time (minutes)	30	160
	a) Initial(Min)	600	260
	b) Final(Max)		
3	Soundness		
	a) Le-chatelier (mm)(Max)	10	1.000
	b) Auto Clave (%) (Max)	0.8	0.023
4	Compressive Strength (MPa)		
	a) 72 ± 1h (3 days)(Min)	16	30.45
	b) 168 ± 2h(7 days)(Min)	22	38.46
	c) 672 ± 4h (28 days)(Min)	33	55.20

**Remarks:** Temperature during testing is 27+/-2degree centigrade.  
Specific Gravity: -2.97

**WEEK NO: 27  
02.07.2023 – 08.07.2023**

**JSW CEMENT Ltd.**

*Authorized Signatory*