



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
	CHEMICAL REQUIREMENTS	% Max.	
1	Magnesium Oxide (% MgO)	10.0	5.02
2	Sulphur Trioxide (% SO ₃)	3.5	1.61
3	Sulphide Sulphur (% S)	1.5	0.17
4	Loss On Ignition (%)	5.0	1.61
5	Insoluble Residue (%)	4.0	1.10
6	Chlorides (%)	0.1	0.005
	PHYSICAL REQUIREMENTS		
1	Fineness (M ² /Kg)(Min)	225	372
2 a	Normal Consistency (%)		31.50
b	Setting Time (minutes)		
	a) Initial(Min)	30	170
	b) Final(Max)	600	265
3	Soundness		
	a) Le-chatelier (mm)(Max)	10	0.500
	b) Auto Clave (%) (Max)	0.8	0.025
4	Compressive Strength (MPa)		
	a) 72 ± 1h (3 days)(Min)	16	20.87
	b) 168 ± 2h(7 days)(Min)	22	29.67
	c) 672 ± 4h (28 days)(Min)	33	43.23

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

**WEEK NO: 37
10.09.2023 – 16.09.2023**

JSW CEMENT Ltd.

Authorized Signatory