



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	1.69
3	Sulphide Sulphur (% S)	1.5	0.21
4	Loss On Ignition (%)	5.0	1.59
5	Insoluble Residue (%)	4.0	0.51
6	Chlorides (%)	0.1	0.005
	PHYSICAL REQUIREMENTS		
1	Fineness (M ² /Kg)(Min)	225	371
2 a	Normal Consistency (%)		33.00
b	Setting Time (minutes)		
	a) Initial(Min)	30	145
	b) Final(Max)	600	250
3	Soundness		
	a) Le-chatelier (mm)(Max)	10	0.500
	b) Auto Clave (%) (Max)	0.8	0.026
4	Compressive Strength (MPa)		
	a) 72 ± 1h (3 days)(Min)	16	21.14
	b) 168 ± 2h(7 days)(Min)	22	28.25
	c) 672 ± 4h (28 days)(Min)	33	46.13

Remarks: Temperature during testing is 27+/-2degree centigrade.
Specific Gravity: -2.93

JSW CEMENT Ltd.


Authorized Signatory