



IS 455



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	4.54
2	Sulphur Trioxide (% SO ₃)	3.5	1.89
3	Sulphide Sulphur (% S)	1.5	0.21
4	Loss On Ignition (%)	5.0	1.23
5	Insoluble Residue (%)	4.0	0.67
6	Chlorides (%)	0.1	0.004
	PHYSICAL REQUIREMENTS		
1	Fineness (M ² /Kg)(Min)	225	388
2 a	Normal Consistency (%)		30.50
b	Setting Time (minutes)		
	a) Initial(Min)	30	140
	b) Final(Max)	600	235
3	Soundness		
	a) Le-chatelier (mm)(Max)	10	0.500
	b) Auto Clave (%) (Max)	0.8	0.023
4	Compressive Strength (MPa)		
	a) 72 ± 1h (3 days)(Min)	16	27.46
	b) 168 ± 2h(7 days)(Min)	22	36.35
	c) 672 ± 4h (28 days)(Min)	33	58.11

Remarks: Temperature during testing is 27+/-2degree centigrade.
Specific gravity: - 2.94

**WEEK NO: 25
17.06.2020 - 23.06.2020**

JSW CEMENT Ltd.


Authorized Signatory