



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	5.01
2	Sulphur Trioxide (% SO ₃)	3.5	1.70
3	Sulphide Sulphur (% S)	1.5	0.17
4	Loss On Ignition (%)	5.0	1.67
5	Insoluble Residue (%)	4.0	1.17
6	Chlorides (%)	0.1	0.005
	PHYSICAL REQUIREMENTS		
1	Fineness (M ² /Kg)(Min)	225	370
2 a	Normal Consistency (%)		31.50
b	Setting Time (minutes)		
a)	Initial(Min)	30	165
b)	Final(Max)	600	260
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	20.56
b)	168 ± 2h(7 days)(Min)	22	28.47
c)	672 ± 4h (28 days)(Min)	33	45.10

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

WEEK NO: 29
16.07.2023 – 22.07.2023

JSW CEMENT Ltd.

Authorized Signatory