

**JSW CEMENT LTD.**  
JAJPUR, ODISHA  
**PSC**

**TEST RESULTS 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	4.4
2	Sulphur Trioxide (% SO <sub>3</sub> )	3.5	1.9
3	Sulphide Sulphur (% S)	1.5	0.3
4	Loss On Ignition (%)	5.0	1.4
5	Insoluble Residue (%)	4.0	2.5
6	Chlorides (%)	0.1	0.007
	<b>PHYSICAL REQUIREMENTS</b>		
1	Fineness (M <sup>2</sup> /Kg)(Min)	225	337
2	Normal Consistency (%)		28.0
	Setting Time (minutes)		
	a) Initial(Min)	30	160
	b) Final(Max)	600	240
3	Soundness		
	a) Le-chatelier (mm)(Max)	10	0.8
	b) Auto Clave (%) (Max)	0.8	0.02
4	Compressive Strength (MPa)		
	a) 72 ± 1h (3 days)(Min)	16	21.7
	b) 168 ± 2h(7 days)(Min)	22	31.9
	c) 672 ± 4h (28 days)(Min)	33	46.5

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

**Week No - 25**  
**17.06.2020 – 23.06.2020**

**JSW CEMENT Ltd.**

*A. S. J. am*

*Authorized signatory*