



**JSW CEMENT LTD.
JAJPUR, ODISHA**

COMP CEM
TEST RESULTS FOR COMPOSITE CEMENT

S.No.	Characteristics	Requirement as Per IS 16415:2015	Test Result
	CHEMICAL REQUIREMENTS	% Max.	
1	Magnesium Oxide (% MgO)	8.0	2.6
2	Sulphur Trioxide (% SO ₃)	3.50	1.8
3	Sulphide Sulphur (% S)	0.75	0.3
4	Loss On Ignition (%)	5.00	1.4
5	Insoluble Residue (%)	Min= 0.6 X, max=X+(4(100-X))/100	24.0
6	Chlorides (%)	0.10	0.009
	PHYSICAL REQUIREMENTS		
1	Fineness (M ² /Kg)(Min)	300	345
2	Normal Consistency (%)		29.5
	Setting Time (minutes)		
	a) Initial(Min)	30	160
	b) Final(Max)	600	225
3	Soundness		
	a) Le-chatelier (mm)(Max)	10.00	0.8
	b) Auto Clave (%) (Max)	0.80	0.02
4	Compressive Strength (MPa)		
	a) 72 ± 1h (3 days)(Min)	16	19.3
	b) 168 ± 2h(7 days)(Min)	22	29.3
	c) 672 ± 4h (28 days)(Min)	33	44.0

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

WEEK NO: 25
17.06.2020 TO 23.06.2020

JSW CEMENT Ltd.

ASBjam

Authorized Signatory