



IS 16415:2015



CML No-5100161778

**JSW CEMENT LTD.,
SALBONI, WEST MIDNAPORE, WESTBENGAL**

COMP CEM

TEST RESULTS FOR PORTLAND COMPOSITE CEMENT

S.No.	Characteristics	Requirement as Per IS 16415:2015	Test Result in Range
CHEMICAL REQUIREMENTS		% Max.	
1	Magnesium Oxide (% MgO)	8	3.40
2	Sulphur Trioxide (% SO ₃)	3.50	1.71
3	Sulphide Sulphur (% S)	0.75	0.17
4	Loss On Ignition (%)	5.00	1.40
5	Insoluble Residue (%)	Min= 0.6 X, max=X+(4(100-X))/100	13.62
6	Chlorides (%)	0.10	0.003
PHYSICAL REQUIREMENTS			
1	Fineness (M ² /Kg)(Min)	300	385
2 a	Normal Consistency (%)		31.5
b	Setting Time (minutes)		
a)	Initial(Min)	30	125
b)	Final(Max)	600	230
3	Soundness		
a)	Le-chatelier (mm)(Max)	10.00	0.500
b)	Auto Clave (%) (Max)	0.80	0.024
	Drying Shrinkage (%) (Max)	0.15	RA
4	Compressive Strength (MPa)		
a)	72 ± 1h (3 days)(Min)	16	21.62
b)	168 ± 2h(7 days)(Min)	22	27.62
c)	672 ± 4h (28 days)(Min)	33	46.39

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

Specific Gravity: - 2.87

RA: -Result Awaited

**WEEK NO: 25
17.06.2020 TO 23.06.2020**

JSW CEMENT Ltd.


Authorized Signatory