



ACC

Doc.No.:WD/LAB/FM/08

WADI CEMENT WORKS

WORKS TEST CERTIFICATE

53Gr.OPC



Name & Address of the Consignee :		DATE 01.04.2016	
BULK CEMENT CORPN.(INDIA) LTD, KALAMBOLI, NEW-MUMBAI.		DESPATCH PARTICULARS :- WEEK NO- 12 (18.03.2016 to 24.03.2016)	
		Results	Requirements as per IS: 12269 : 2013
1	CHEMICAL COMPOSITION :		
	% Soluble Silica	21.8	
	% Alumina	4.9	
	% Iron Oxide	3.8	
	% Lime	62.9	
	% Magnesia	0.8	Not more than 6.0%
	% Insoluble Residue	0.6	Not more than 4.0%
	% Sulphur Calculated as SO ₃	2.8	Not more than 3.5%
	% Loss On Ignition	1.5	--- Not more than 4.0 %
	LIME SATURATION FACTOR	0.88	--- Between 0.80 & 1.02
	PROPORTION OF ALUMINA TO IRON OXIDE	1.29	--- Not less than 0.66
	TRI CALCIUM ALUMINATE	6.56	
	% CHLORIDE	0.023	--- Not more than 0.1%
2	FINENESS :		
	Specific Surface (m ² /kg)	289.0	--- Not less than 225
3	COMPRESSIVE STRENGTH (MPa) :		
	at 3-Days	38.9	--- Not less than 27
	7-Days	49.2	--- Not less than 37
	28-Days	62.3	--- Not less than 53
4	SETTING TIME (minutes) :		
	Initial	125.0	--- Not less than 30
	Final	185.0	--- Not more than 600
5	SOUNDNESS :		
	Le-Chatelier Expn. (mm)	1.00	--- Not more than 10 mm
	Autoclave Expn. (%)	0.06	--- Not more than 0.8 %
6	a) Normal Consistency (%)	28.3	
	b) Temp.during Testing (deg.C) :	27+/-2	

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Chief Mgr.Q.A.