



# ACC

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

## WADI CEMENT WORKS

WORKS TEST CERTIFICATE

### 53Gr.OPC



Name & Address of the Consignee :		DATE 03.02.2015	
BULK CEMENT CORPN.(INDIA) LTD, KALAMBOLI, NEW-MUMBAI.		DESPATCH PARTICULARS :- WEEK NO- 03 (15.01.2015 to 21.01.2015)	
		Results	Requirements as per IS: 12269 : 2013
1	CHEMICAL COMPOSITION :		
	% Soluble Silica	21.5	
	% Alumina	5.2	
	% Iron Oxide	4.0	
	% Lime	63.0	
	% Magnesia	0.8	Not more than 6.0%
	% Insoluble Residue	0.5	Not more than 4.0%
	% Sulphur Calculated as SO <sub>3</sub>	2.6	Not more than 3.5%
	% Loss On Ignition	1.8	--- Not more than 4.0 %
	LIME SATURATION FACTOR	0.89	--- Between 0.80 & 1.02
	PROPORTION OF ALUMINA TO IRON OXIDE	1.30	--- Not less than 0.66
	TRI CALCIUM ALUMINATE	7.01	
	% CHLORIDE	0.022	--- Not more than 0.1%
2	FINENESS :		
	Specific Surface (m <sup>2</sup> /kg)	306.0	--- Not less than 225
3	COMPRESSIVE STRENGTH (MPa) :		
	at 3-Days	38.2	--- Not less than 27
	7-Days	48.4	--- Not less than 37
	28-Days (W no-52)	60.4	--- Not less than 53
4	SETTING TIME (minutes) :		
	Initial	135.0	--- Not less than 30
	Final	195.0	--- Not more than 600
5	SOUNDNESS :		
	Le-Chatelier Expn. (mm)	1.50	--- Not more than 10 mm
	Autoclave Expn. (%)	0.08	--- Not more than 0.8 %
6	a) Normal Consistency (%)	28.8	
	b) Temp.during Testing (deg.C) :	27+/-2	

**ACC LIMITED**  
Wadi Cement Works  
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Chief Mgr.Q.A.