



**ACC**  
**WADI CEMENT WORKS**  
 WORKS TEST CERTIFICATE



**Portland Pozzolana Cement**  
 (Pozzolana Portland Cement)

Name & Address of the Consignee :-  
 BULK CEMENT CORPN.(INDIA) LTD,  
 KALAMBOLI, NEW-MUMBAI.

DATE 04.12.2015  
 DESPATCH PARTICULARS :-  
 WEEK NO- 47  
 (19.11.2015 to 25.11.2015)

	Results	Requirements as per IS:1489 (Part-I)-1991
<b>1 CHEMICAL COMPOSITION :</b>		
% Soluble Silica		
% Alumina		
% Iron Oxide		
% Lime		
% Magnesia	1.0	--- Not more than 6.0%
% Insoluble Residue	28.2	--- [X+4.0(100-X)/100] Max. X is % Pozzolana in PPC
% Sulphur Calculated as SO <sub>3</sub>	2.6	--- Not more than 3.0 %
% Loss On Ignition	1.9	--- Not more than 5.0 %
% Chloride	0.021	
<b>2 FINENESS :</b>		
Specific Surface (m <sup>2</sup> /kg)	383	Not less than 300
<b>3 COMPRESSIVE STRENGTH (MPa) :</b>		
at 3-Days	28.3	Not less than 16
7-Days	36.7	Not less than 22
28-Days (W no-44)	53.1	Not less than 33
<b>4 a) SETTING TIME (minutes) :</b>		
Initial	145.0	Not less than 30
Final	205.0	Not more than 600
<b>5 SOUNDNESS :</b>		
Le-Chatelier Expn. (mm)	0.500	Not more than 10 mm
Autoclave Expn. (%)	0.003	Not more than 0.8 %
Drying shrinkage (%) (W-43)	0.005	Not more than 0.15 %
<b>6 a) Normal Consistency (%)</b>	32.0	
b) Temp.during Testing (deg.C)	27+/-2	
c) % POZZOLANA MATERIAL USED	32.0	Not less than 15% and not more than 35%

ACC LIMITED  
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Chief Mgr.Q.A.