



# ACC

## WADI CEMENT WORKS

### WORKS TEST CERTIFICATE



# Portland Pozzolana Cement

## (Fly ash based)

Name & Address of the Consignee :

VARIOUS PARTIES  
INCLUDING ACC DUMPS


DATE 08.10.2015

DESPATCH PARTICULARS :-

WEEK NO- 39  
(24.09.2015 to 30.09.2015)

	Results	Requirements as per IS:1489 (Part-I)-1991
<b>1 CHEMICAL COMPOSITION :</b>		
% Soluble Silica		
% Alumina		
% Iron Oxide		
% Lime		
% Magnesia	1.1	--- Not more than 6.0%
% Insoluble Residue	28.1	--- [X+4.0(100-X)/100] Max. X is % Pozzolana in PPC
% Sulphur Calculated as SO <sub>3</sub>	2.7	--- Not more than 3.0 %
% Loss On Ignition	1.9	--- Not more than 5.0 %
% Chloride	0.015	
<b>2 FINENESS :</b>		
Specific Surface (m <sup>2</sup> /kg)	365	Not less than 300
<b>3 COMPRESSIVE STRENGTH (MPa) :</b>		
at 3-Days	28.9	Not less than 16
7-Days	36.4	Not less than 22
28-Days (W no-36)	53.7	Not less than 33
<b>4 a) SETTING TIME (minutes) :</b>		
Initial	150	Not less than 30
Final	205	Not more than 600
<b>5 SOUNDNESS :</b>		
Le-Chatelier Expn. (mm)	1.0	Not more than 10 mm
Autoclave Expn. (%)	0.004	Not more than 0.8 %
Drying shrinkage (%) (W-35)	Nil	Not more than 0.15 %
<b>6 a) Normal Consistency (%)</b>	32.0	
<b>b) Temp.during Testing (deg.C)</b>	27+/-2	
<b>c) % POZZOLANA MATERIAL USED</b>	31.9	Not less than 15% and not more than 35%

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Chief Mgr.Q.A.