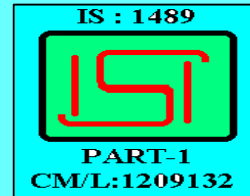




# ACC

## WADI CEMENT WORKS WORKS TEST CERTIFICATE



# Portland Pozzolana Cement (Fly ash based)

Name & Address of the Consignee :  
VARIOUS PARTIES  
INCLUDING ACC DUMPS

DATE : 03.02.2010

DESPATCH PARTICULARS :-

QTY. DESPACHED :

WEEK NO:04 (22.01.10 to 28.01.10)

	Results	Requirements as per IS:1489 (Part-I)-1991
<b>1</b> <u>CHEMICAL COMPOSITION :</u>		
% Soluble Silica		
% Alumina		
% Iron Oxide		
% Lime		
% Magnesia	1.1	--- Not more than 6.0%
% Insoluble Residue	27.0	--- [X+4.0(100-X)/100] Max. X is % Pozzolana in PPC
% Sulphur Calculated as SO <sub>3</sub>	2.3	--- Not more than 3.0 %
% Loss On Ignition	2.0	--- Not more than 5.0 %
% Chloride	0.022	
<b>2</b> <u>FINENESS :</u>		
Specific Surface (m <sup>2</sup> /kg)	396	Not less than 300
<b>3</b> <u>COMPRESSIVE STRENGTH (MPa) :</u>		
at 3-Days	30.0	Not less than 16
7-Days (W.No:03)	40.0	Not less than 22
28-Days (W.No:52)	57.0	Not less than 33
<b>4</b> <u>a) SETTING TIME (minutes) :</u>		
Initial	215	Not less than 30
Final	315	Not more than 600
<b>5</b> <u>SOUNDNESS :</u>		
Le-Chatelier Expn. (mm)	0.5	Not more than 10 mm
Autoclave Expn. (%)	0.005	Not more than 0.8 %
Drying shrinkage (%) (W no-51)	0.004	Not more than 0.15 %
<b>6</b> a) Normal Consistency (%)	30.5	
b) Temp.during Testing (deg.C)	27+/-2	
c) % POZZOLANA MATERIAL USED	28.0	Not less than 15% and not more than 35%

*KAR*  
Mgr.Q.A.

*Boalea*  
Manager Production