



ACC

WADI CEMENT WORKS

WORKS TEST CERTIFICATE

43Gr.OPC



DATE : 03.02.2010

Name & Address of the Consignee :DESPATCH PARTICULARS :-

VARIOUS PARTIES

INCLUDING ACC DUMPS

WEEK NO:04 (22.01.10 to 28.01.10)

	Results	Requirements as per IS: 8112 : 1989
1 <u>CHEMICAL COMPOSITION :</u>		
% Soluble Silica	21.4	
% Alumina	5.1	
% Iron Oxide	3.7	
% Lime	63.0	
% Magnesia	0.70	--- Not more than 6.0%
% Insoluble Residue	1.3	--- Not more than 3.0%
% Sulphur Calculated as SO ₃	2.3	--- Not more than 2.5 if C3A is 5.0 or less & not more than 3.0 if C3A is more than 5.0 %.
% Loss On Ignition	1.9	--- Not more than 5.0 %
LIME SATURATION FACTOR	0.90	--- Between 0.66 & 1.02
PROPORTION OF ALUMINA TO IRON OXIDE	1.38	--- Not less than 0.66
TRI CALCIUM ALUMINATE % Chloride	7.25 0.021	--- Not more than 0.1%
2 <u>FINENESS :</u>		
Specific Surface (m ² /kg)	327	--- Not less than 225
3 <u>COMPRESSIVE STRENGTH (MPa) :</u>		
at 3-Days	37.0	--- Not less than 23
7-Days (W.No:03)	46.0	--- Not less than 33
28-Days (W.No:52)	62.0	--- Not less than 43
4 <u>SETTING TIME (minutes) :</u>		
Initial	190	--- Not less than 30
Final	290	--- Not more than 600
5 <u>SOUNDNESS :</u>		
Le-Chatelier Expn. (mm)	1.5	--- Not more than 10 mm
Autoclave Expn. (%)	0.06	--- Not more than 0.8 %
6 a) Normal Consistency (%)	28.5	
b) Temp.during Testing (deg.C) :	27+/-2	

KAR

Mgr.Q.A.

Boalea

Manager Production