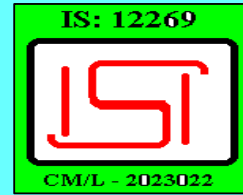


# ACC

## WADI CEMENT WORKS WORKS TEST CERTIFICATE



### 53Gr.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: 12269 : 1987
1 CHEMICAL COMPOSITION :		
% Soluble Silica	21.4	
% Alumina	5.1	
% Iron Oxide	3.6	
% Lime	63.8	
% Magnesia	0.8	Not more than 6.0%
% Insoluble Residue	0.8	Not more than 3.0%
% Sulphur Calculated as SO <sub>3</sub>	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	1.6	Not more than 4.0 %
LIME SATURATION FACTOR	0.91	--- Between 0.80 & 1.02
PROPORTION OF ALUMINA TO IRON OXIDE	1.42	--- Not less than 0.66
TRI CALCIUM ALUMINATE	7.42	
% CHLORIDE	0.022	--- Not more than 0.1%
2 FINENESS :		
Specific Surface (m <sup>2</sup> /kg)	349	--- Not less than 225
3 COMPRESSIVE STRENGTH (MPa) :		
at 3-Days	42.0	--- Not less than 27
7-Days (W.No:03)	52.0	--- Not less than 37
28-Days (W.No:52)	65.0	--- Not less than 53
4 SETTING TIME (minutes) :		
Initial	195	--- Not less than 30
Final	280	--- Not more than 600
5 SOUNDNESS :		
Le-Chatelier Expn. (mm)	1.0	--- Not more than 10 mm
Autoclave Expn. (%)	0.06	--- Not more than 0.8 %
6 a) Normal Consistency (%)	28.0	
b) Temp.during Testing (deg.C) :	27+/-2	

Mgr. Q.A.

Manager Production