



# ACC

## WADI CEMENT WORKS

### WORKS TEST CERTIFICATE

# 43Gr.OPC



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

DATE 07.03.2015  
DESPATCH PARTICULARS :-  
WEEK NO- 08  
(19.02.2015 to 25.02.2015)

	Results	Requirements as per IS: 8112 : 2013
<b>1</b> <u>CHEMICAL COMPOSITION :</u>		
% Soluble Silica	21.9	
% Alumina	5.1	
% Iron Oxide	3.9	
% Lime	62.9	
% Magnesia	0.8	--- Not more than 6.0%
% Insoluble Residue	0.5	--- Not more than 4.0%
% Sulphur Calculated as SO <sub>3</sub>	2.5	--- Not more than 3.5%
% Loss On Ignition	2.1	--- Not more than 5.0 %
LIME SATURATION FACTOR	0.87	--- Between 0.66 & 1.02
PROPORTION OF ALUMINA TO IRON OXIDE	1.31	--- Not less than 0.66
TRI CALCIUM ALUMINATE % Chloride	6.92 0.026	--- Not more than 0.1%
<b>2</b> <u>FINENESS :</u>		
Specific Surface (m <sup>2</sup> /kg)	301	--- Not less than 225
<b>3</b> <u>COMPRESSIVE STRENGTH (MPa) :</u>		
at 3-Days	32.7	--- Not less than 23
7-Days	43.0	--- Not less than 33
28-Days (W no-05)	55.9	--- Not less than 43 and not more than 58
<b>4</b> <u>SETTING TIME (minutes) :</u>		
Initial	125	--- Not less than 30
Final	190	--- Not more than 600
<b>5</b> <u>SOUNDNESS :</u>		
Le-Chatelier Expn. (mm)	1.0	--- Not more than 10 mm
Autoclave Expn. (%)	0.07	--- Not more than 0.8 %
<b>6</b> a) Normal Consistency (%)	27.5	
b) Temp.during Testing (deg.C) :	27+/-2	

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Chief Mgr.Q.A.