



ACC

WADI CEMENT WORKS

WORKS TEST CERTIFICATE

43Gr.OPC



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

DATE 04.12.2014
DESPATCH PARTICULARS :-
WEEK NO- 47
19.11.2014 to 25.11.2014

	Results	Requirements as per IS: 8112 : 2013
1 <u>CHEMICAL COMPOSITION :</u>		
% Soluble Silica	22.1	
% Alumina	5.2	
% Iron Oxide	4.1	
% Lime	62.1	
% Magnesia	0.7	--- Not more than 6.0%
% Insoluble Residue	0.5	--- Not more than 5.0%
% Sulphur Calculated as SO ₃	2.6	--- Not more than 3.5%
% Loss On Ignition	1.7	--- Not more than 5.0 %
LIME SATURATION FACTOR	0.85	--- Between 0.66 & 1.02
PROPORTION OF ALUMINA TO IRON OXIDE	1.27	--- Not less than 0.66
TRI CALCIUM ALUMINATE % Chloride	6.84 0.031	--- Not more than 0.1%
2 <u>FINENESS :</u>		
Specific Surface (m ² /kg)	296	--- Not less than 225
3 <u>COMPRESSIVE STRENGTH (MPa) :</u>		
at 3-Days	33.0	--- Not less than 23
7-Days	43.3	--- Not less than 33
28-Days (W no-44)	53.8	--- Not less than 43 and not more than 58
4 <u>SETTING TIME (minutes) :</u>		
Initial	120	--- Not less than 30
Final	180	--- Not more than 600
5 <u>SOUNDNESS :</u>		
Le-Chatelier Expn. (mm)	1.0	--- Not more than 10 mm
Autoclave Expn. (%)	0.06	--- Not more than 0.8 %
6 a) Normal Consistency (%)	27.5	
b) Temp.during Testing (deg.C) :	27+/-2	

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