

IS / ISO 9001



ACC Limited

Damodhar Cement Works

Test Result For
Portland Slag Cement (IS: 455 – 1989)

Despatches made during Week no. – 1 / 2010

Certificate no.- 1 Ref. No. - DM/QC/TC/ 1

	Chemical composition	Result	Requirements as per IS:455-1989
1	% Magnesia	4.0	Not more than 10.0%
	% Insoluble Residue	1.5	Not more than 4.0%
	% Sulfur calculated as SO ₃	2.38	Not more than 3.0%
	% Sulfide Sulfur (S)	0.21	Not more than 1.5%
	% Loss on Ignition	1.4	Not more than 5.0%
	% Total chloride (Cl ⁻)	0.01	Not more than 0.1%
2	Fineness(Blaine)		
	Specific Surface (M ² /Kg)	325	Not less than 225
3	Compressive Strength (MPa)		
	3 Days	22.5	Not less than 16
	7 Days	30.6	Not less than 22
	28 Days	49.0	Not less than 33
4	Setting Time (Minutes)		
	Initial	145	Not less than 30
	Final	230	Not more than 600
5	Soundness		
	Le-Chatelier Expansion (mm)	0.5	Not more than 10
	Auto-Clave expansion (%)	0.03	Not more than 0.8
6	Normal Consistency (%)	28.0	
	Temp. During Testing (°C)	28	27 ± 2

Officer QA

Chief Manager Production

