

TEST CERTIFICATE

JSW Ground Granulated Blast Furnace Slag

Sr. No.	Characteristic	Requirement as per BS:6699	Test Result
1	Fineness (M ² /KG)	275 (Min.)	387.00
2	Residue		
	Residue by wet sieve on 45 μ (%)		3.91
3	Initial Setting Time (Min)	Not less than IST of OPC	190
4	Insoluble Residue (%)	1.5 (Max.)	0.29
5	Magnesia content (%)	14.0 (Max.)	8.08
6	Sulphide Sulphur (%)	2.00 (Max.)	0.51
7	Sulfate content (%) as SO ₃	2.50 (Max.)	0.25
8	Loss on Ignition (%)	3.00 (Max.)	0.65
9	Manganese content (%)	2.00 (Max.)	0.21
10	Chloride content (%)	0.10 (Max.)	0.001
11	Moisture content (%)	1.00 (Max.)	0.02
12	Glass content (%)	67 (Min.)	95.35
13	Compressive Strength (N/mm ²)		
	After 7 days	12.0 (Min.)	24.37
	28 days	32.5 (Min.)	41.75
14	Chemical Moduli		
(A)	CaO + MgO + SiO ₂	66.66 (Min.)	78.90
(B)	CaO + MgO/SiO ₂	>1.0	1.29
(C)	CaO/SiO ₂	<1.40	1.05

Note :There is No Indian Standard on GGBS. For reference BS specification is given.

Granulated slag used for JSW Steel Ltd., GBS conforms to IS 12089:1987.

** COMPRESSIVE STRENGTH , SOUNDNESS AND INITIAL SETTING TIME ON BLEND OF 70% GGBS : 30% OPC.*

Week No.:	47	Month:	11	Year:	2014
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Sr.General Manager