

Binani

BRAJ BINANI GROUP

BINANI CEMENT LIMITED

(AN ISO 9001, 14001 & OHSAS 18001 CERTIFIED CO.)

BINANIGRAM, PINDWARA

R/15-22

TEST CERTIFICATE**Ordinary Portland Cement
"53 GRADE"**

IS : 12269



CM/L-8214059

PARTICULARS	TEST RESULTS	REQUIREMENTS AS PER IS-12269- 2013
Chemical Requirements :		
1.Lime Saturation Factor $\frac{\text{CaO}-0.7\text{SO}_3}{(2.8\text{SiO}_2+1.2\text{Al}_2\text{O}_3+0.65\text{Fe}_2\text{O}_3)}$	0.87	0.8 to 1.02
2. Ratio of % of Alumina to that of Iron Oxide (% Al_2O_3 /% Fe_2O_3)	1.75	0.66 min
3. Insoluble Residue (% by Mass)	3.12	4.00 max
4. Magnesia (% by Mass)	1.94	6.00 max
5. Sulphuric Anhydride (% by Mass)	2.14	3.50 max
6. Total Loss on Ignition(%)	2.12	4.00 max
7. Total Chlorides (%)	0.013	0.10 max
Physical Requirements		
1. Consistency (%)	30.50	
2. Fineness (m ² / Kg)	323	225 min.
3. Setting Time (Minutes)		
(a) Initial	120	30 min
(b) Final	170	600 max.
4. Soundness		
(a) Le.Chatelier (mm)	1.0	10.0 max
(b) Autoclave (%)	0.11	0.8 max
5. Compressive Strength (MPa)		
(a) 72 ± 1 h (3 days)	40	27 min
(b) 168 ± 2 h (7 days)	49	37 min
(c) 672 ± 4 h (28 days)	61	53 min

ABOVE CEMENT COMPLIES WITH THE REQUIREMENTS OF IS.12269 :2013 FOR ORDINARY PORTLAND CEMENT "53 GRADE"

DATE OF DESPATCH : 23/09/2016

WEEK NO. : 39

CHECKED BY :

BINANI CEMENT LIMITED

Authorised Signatory
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