

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 CaO-0.7SO ₃ (2.8SiO ₂ +1.2Al ₂ O ₃ +0.65Fe ₂ O ₃)	0.88	0.8 to 1.02
2. Ratio of % of Alumina to that of Iron Oxide (% Al ₂ O ₃ /%Fe ₂ O ₃)	1.73	0.66 min
3. Insoluble Residue (% by Mass)	2.69	4.00 max
4. Magnesia (% by Mass)	2.02	6.00 max
5. Sulphuric Anhydride (% by Mass)	1.95	3.50 max
6. Total Loss on Ignition(%)	2.32	4.00 max
7. Total Chlorides (%)	0.014	0.10 max
Physical Requirements		
1. Consistency (%)	30.50	
2. Fineness (m ² / Kg)	325	225 min.
3. Setting Time (Minutes)		
(a) Initial	115	30 min
(b) Final	165	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)	47	37 min
(c) 672 ± 4 h (28 days)	UT	53 min

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

DATE OF DESPATCH 16/09/2016

WEEK NO. 38

CHECKED BY :

BINANI CEMENT LIMITED
Authorised Signatory**53**