

Binani

BRAJ BINANI GROUP

BINANI CEMENT LIMITED

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

R/15-21

TEST CERTIFICATE

Ordinary Portland Cement "43 GRADE"

IS : 8112



CM/L-8214160

PARTICULARS	TEST RESULTS	REQUIREMENTS AS PER IS-8112-2013
Chemical Requirements :		
1. Lime Saturation Factor CaO-0.7SO ₃ (2.8SiO ₂ +1.2Al ₂ O ₃ +0.65Fe ₂ O ₃)	0.85	0.66 to 1.02
2. Ratio of % of Alumina to that of Iron Oxide (% Al ₂ O ₃ /%Fe ₂ O ₃)	1.74	0.66 min
3. Insoluble Residue (% by Mass)	3.64	4.00 max
4. Magnesia (% by Mass)	2.00	6.00 max
5. Sulphuric Anhydride (% by Mass)	1.97	3.50 max
6. Total Loss on Ignition(%)	2.70	5.00 max
7. Total Chlorides (%)	0.015	0.10 max
Physical Requirements		
1. Consistency (%)	29.25	
2. Fineness (m ² / Kg)	299	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 (%)	0.12	0.8 max
5. Compressive Strength (MPa)		
(a) 72 ± 1 h (3 days)	34	23 min
(b) 168 ± 2 h (7 days)	44	33 min
(c) 672 ± 4 h (28 days)	UT	43 min 58 max

ABOVE CEMENT COMPLIES WITH THE REQUIREMENTS OF IS-8112 : 2013 FOR ORDINARY PORTLAND CEMENT "43 GRADE"

DATE OF DESPATCH : 16/09/2016

WEEK NO. : 38

CHECKED BY : *Dangra*

BINANI CEMENT LIMITED

Authorised Signatory