

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 $\text{CaO} \cdot 0.7\text{SO}_3$ ($2.8\text{SiO}_2 + 1.2\text{Al}_2\text{O}_3 + 0.65\text{Fe}_2\text{O}_3$)	0.86	0.66 to 1.02
2. Ratio of % of Alumina to that of Iron Oxide (% Al_2O_3 / % Fe_2O_3)	1.69	0.66 min
3. Insoluble Residue (% by Mass)	3.16	4.00 max
4. Magnesia (% by Mass)	2.28	6.00 max
5. Sulphuric Anhydride (% by Mass)	2.06	3.50 max
6. Total Loss on Ignition (%)	3.07	5.00 max
7. Total Chlorides (%)	0.013	0.10 max
Physical Requirements		
1. Consistency (%)	28.25	
2. Fineness (m^2/Kg)	296	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 (%)	0.15	0.8 max
5. Compressive Strength (MPa)		
(a) 72 ± 1 h (3 days)	36	23 min
(b) 168 ± 2 h (7 days)	44	33 min
(c) 672 ± 4 h (28 days)	54	43 min 58 max

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

20/02/2016

DATE OF DESPATCH :

8

WEEK NO. :

CHECKED BY :

BINANI CEMENT LIMITED

Authorised Signatory

43