

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"**



PARTICULARS	TEST RESULTS	REQUIREMENTS AS PER IS-8112-2013
Chemical Requirements :		
1. Lime Saturation Factor $\text{CaO} \cdot 0.7\text{SO}_3$ ($2.8\text{SiO}_2 + 1.2\text{Al}_2\text{O}_3 + 0.65\text{Fe}_2\text{O}_3$)	0.88	0.66 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)	3.08	4.00 max
4. Magnesia (% by Mass)	2.02	6.00 max
5. Sulphuric Anhydride (% by Mass)	1.94	3.50 max
6. Total Loss on Ignition (%)	3.06	5.00 max
7. Total Chlorides (%)	0.015	0.10 max
Physical Requirements		
1. Consistency (%)	29.00	
2. Fineness (m^2/Kg)	299	225 min.
3. Setting Time (Minutes)		
(a) Initial	125	30 min
(b) Final	175	600 max.
4. Soundness		
(a) Le-Chatelier (mm)	1.0	10.0 max
(b) Autoclave (%)	0.13	0.8 max
5. Compressive Strength (MPa)		
(a) 72 ± 1 h (3 days)	36	23 min
(b) 168 ± 2 h (7 days)	45	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"

09/09/2016

DATE OF DESPATCH :

WEEK NO. : 37

CHECKED BY :

BINANI CEMENT LIMITED

Signature
Authorised Signatory

