

Binani

BRAJ BINANI GROUP

BINANI CEMENT LIMITED

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

BINANIGRAM, PINDWARA

R/15-23

TEST CERTIFICATE

PORTLAND POZZOLANA CEMENT

IS : 1489



Part - 1
CM/L-8492592

PARTICULARS	TEST RESULTS	REQUIREMENTS AS PER IS-1489 (Part 1):1991
Chemical Requirements :		
1.Insoluble Residue (% by Mass)	25.73	X+ 4.0(100-X)/100 max
2.Magnesia (% by Mass)	1.67	6.00 max
3.Sulphuric Anhydride (% by Mass)	2.44	3.00 max
4.Total Loss on Ignition(%)	4.38	5.00 max
5.Total Chlorides (%)	0.015	0.10 max
Physical Requirements		
1. Consistency (%)	34.75	
2. Fineness (m ² / Kg)	380	300 min.
3. Setting Time (Minutes)		
(a) Initial	130	30 min
(b) Final	180	600 max.
4. Soundness		
(a) Le-Chatelier (mm)	0.5	10.0 max
(b) Autoclave (%)	0.05	0.8 max
5. Compressive Strength (MPa)		
(a) 72 ± 1 h (3 days)	29	16 min
(b) 168 ± 2 h (7 days)	39	22 min
(c) 672 ± 4 h (28 days)	52	33 min
6. Drying Shrinkage (%)	0.06	0.15 max.
7. Declared % Fly Ash consumption	26	

ABOVE CEMENT COMPLIES WITH THE REQUIREMENTS OF IS-1489 (PART - 1) : 1991 PORTLAND POZZOLANA CEMENT

DATE OF DESPATCH : 23/09/2016

WEEK NO. : 39

CHECKED BY : *[Signature]*

BINANI CEMENT LIMITED

[Signature]
Authorised Signatory

