

**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
<b>Chemical Requirements :</b>		
1.Insoluble Residue (% by Mass)	25.19	X+ 4.0(100-X)/100 max
2.Magnesia (% by Mass)	1.46	6.00 max
3.Sulphuric Anhydride (% by Mass)	2.02	3.00 max
4.Total Loss on Ignition(%)	3.65	5.00 max
5.Total Chlorides (%)	0.017	0.10 max
<b>Physical Requirements</b>		
1. Consistency (%)	33.25	
2. Fineness (m <sup>2</sup> / Kg)	360	300 min.
3. Setting Time (Minutes)		
(a) Initial	130	30 min
(b) Final	180	600 max.
4. Soundness		
(a) Le-Chatelier (mm)	1.0	10.0 max
(b) Autoclave (%)	0.04	0.8 max
5. Compressive Strength (MPa)		
(a) 72 ± 1 h (3 days)	32	16 min
(b) 168 ± 2 h (7 days)	40	22 min
(c) 672 ± 4 h (28 days)	50	33 min
6. Drying Shrinkage (%)	0.06	0.15 max.
7. Declared % Fly Ash consumption	25	

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

DATE OF DESPATCH 17/01/2015

WEEK NO. : 3

CHECKED BY : *[Signature]*

BINANI CEMENT LIMITED

*[Signature]*  
Authorised Signatory

