

**Binani**

BRAJ BINANI GROUP

# BINANI CEMENT LIMITED (CGU)

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

NEEM KA THANA, SIKAR

NKT/R/03-28

## TEST CERTIFICATE

### PORTLAND POZZOLANA CEMENT

IS : 1489



Part -1  
CM/L-8959618

PARTICULARS	TEST RESULTS	REQUIREMENTS AS PER IS-1489 (Part 1):1991
<b>Chemical Requirements :</b>		
1.Insoluble Residue (% by Mass)	27.09	X+ 4.0(100-X)/100 max
2.Magnesia (% by Mass)	1.96	6.00 max
3.Sulphuric Anhydride (% by Mass)	2.04	3.00 max
4.Total Loss on Ignition(%)	3.24	5.00 max
5.Total Chlorides (%)	0.017	0.10 max
<b>Physical Requirements</b>		
1. Consistency (%)	31.00	
2. Fineness (m <sup>2</sup> / Kg)	374	300 min.
3. Setting Time (Minutes)		
(a) Initial	140	30 min
(b) Final	190	600 max.
4. Soundness		
(a) Le-Chatelier (mm)	0.5	10.0 max
(b) Autoclave (%)	0.07	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)	UT	33 min
6. Drying Shrinkage (%)	UT	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 09/09/2016

WEEK NO. 37

CHECKED BY : .. *Danish* ..

BINANI CEMENT LIMITED

*Danish*  
Authorised Signatory

