SANGHI INDUSTRIES LIMITED
SANGHIPURAM – BHUJ
District : Kutch, Gujarat (India)
Laboratory Accrediated by ISO/IEC:17025 & ISO:9001

T 1233, T 1234

Phone(02831) 274131,274131,274135, Fax : (02831) 274106,274115 Email :-info@sanghicement.com

Dear Customer,

It is our endeavour to deliver you the best product made with choice of raw materials and with utmost care and dedication at every stage of manufacturing process with quality checks till the finished product, to enable to obtain best in terms of quality, consistency and reliability. It will be our pleasure to receive your valuable suggestions / feedback to extend our services in much more effective way.

Thank you.

TEST CERTIFICATE

PORTLAND POZZOLONA CEMENT		
Sample Date 19.11.2014 **MONTH** **NOVEMBER** **Week No: 47**		
CM / L – 3744164		
PARTICULARS	**BIS SPECIFICATION** **IS : 1489(Part -1):1991**	**RESULTS**
CHEMICAL COMPOSITION (% By Mass.)		
1) **Loss On Ignition**	Not greater than 5 %	1.58
2) **Magnesium Oxide**	Not greater than 6 % By Mass	2.92
3) **Sulfur Trioxide**	Not greater than 3.0 % By Mass	2.26
4) **Insoluble Residue**	X + 4.0 (100-X) Max	21.02
(X is the Declared Percentage of Fly Ash)	100	
5) **Declared % of Fly Ash**	15 – 35	35.0
6) **Chloride**	Not greater than 0.10 % By Mass	0.030
PHYSICAL REQUIREMENTS		
1) **Fineness - Sp.Surface (m2/kg)**	Not less than 300 M2/kg	328
2) **Normal Consistency (%)**	-	28.25
3) **Setting Time (Minutes)**		
(a) Initial	Not less than 30 minutes	160
(b) Final	Not more than 600 minutes	195
4) **Soundness**		
(a) Le - chatelier (mm)	Not more than 10 mm	1.0
(b) Autoclave (%)	Not more than 0.80 %	0.148
5) **Drying Shrinkage**	Not more than 0.15 %	-
6) **Compressive Strength (MPa)**		
(a) 24 Hr. (1 Day)	-	-
(b) 72 ± 1 Hr. (3 Days)	Not less than 16 MPa	34.5
(c) 168 ± 2Hrs. (7 Days)	Not less than 22 MPa	47.0
(d) 672 ± 4 Hrs. (28 Days)	Not less than 33 MPa	-

The above cement complies with the requirements of IS : 1489(Part-1):1991 for the Portland Pozzolana Cement.

Quality Manager