



J K LAKSHMI
CEMENT Ltd.

JAYKAYPURAM—307019 Dist. Sirohi, Rajasthan
TEST CERTIFICATE FOR PORTLAND POZZOLANA CEMENT
LICENCE NO . CM/L-1234838



WEEK No. 47

DATE OF ISSUE 31.12.2014

CHEMICAL / PHYSICAL REQUIREMENTS	SPECIFICATION CLAUSE No.	REQUIREMENT AS PER IS No.1489(PART-I) – 1991 AMENDMENT No. 3	RESULTS OBTAINED
CHEMICAL REQUIREMENTS : #	6		
(i) Loss on ignition, percent by mass, Max. #	6.1	5.0	2.38
(ii) Magnesia, percentage by mass, Max #	6.1	6.0	2.26
(iii) Sulphuric Anhydride (SO ₃), percent # by mass, Max	6.1	3.0	2.34
(iv) Insoluble Residue, percent by mass Max. #	6.1	4(100-x) x+----- 100 (x=where x is the declare % age of Fly Ash)	26.48
(v) Declared % of Fly Ash	5 & 9.1	Not less than 15% and Not more than 35%	25+/-3
(vi) Chloride, percent by mass #	9.2	Not more than 0.1	0.036
PHYSICAL REQUIREMENTS :	7		
(i) FINENESS : SP. SURFACE	7.1	Not less than 300 m ² /kg	362
(ii) SOUNDNESS : a) Le-chatelier method Expansion	7.2	Not more than 10 mm	0.50
b) Auto clave test expansion C.NO.T-0720		Not more than 0.8%	0.032
(iii) SETTING TIME	7.3		
a) Initial Setting time in Minutes		30 minutes, minimum	115
b) Final setting time in Minutes		600 minutes, maximum	180
(iv) COMPRESIVE STRENGTH	7.4		
72 ± 1 Hours (3 Days)		16 Mpa, Min	26.4
168 ± 2 Hours (7 Days)		22 Mpa, Min	36.2
672 ± 4 Hours (28 Days)		33 Mpa, Min	48.2
(v) Drying Shrinkage	7.5	Not be more than 0.15%	0.038



REMARKS : The test results complies with the requirements of IS: 1489(Part-I) : 1991 for all Chemical requirements and Physical requirements including Compressive Strength up to 28 days .

Note : Results reported above are the average test results of all samples testing during relevant week. # Not covered unde NABL Accreditation at present

CERTIFIED
ISO 9001:2008
ISO 14001:2004
OHSAS 18001:2007

S. K. Sood
HOD(QC)

