



J K LAKSHMI
CEMENT Ltd.

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



WEEK No. 21

DATE OF ISSUE 04.06.2017

CHEMICAL / PHYSICAL REQUIREMENTS	SPECIFICATION CLAUSE No.	REQUIREMENT AS PER IS No.1489(PART-I) – 2015	RESULTS OBTAINED
CHEMICAL REQUIREMENTS : #	6		
(i) Loss on ignition, percent by mass, Max. #	6.1	5.0	3.24
(ii) Magnesia, percentage by mass, Max #	6.1	6.0	2.53
(iii) Sulphuric Anhydride (SO ₃), percent # by mass, Max	6.1	3.5	2.51
(iv) Insoluble Residue, percent by mass Max. #	6.1	$4(100-x)$ $x + \frac{\quad}{100}$ (x=where x is the declare % age of Fly Ash)	23.44
(v) Insoluble Residue , percent by mass Min #	6.1	0.6 x	15.0
(vi) Declared % of Fly Ash	5 & 9.1	Not less than 15% and Not more than 35%	28+/-3
(vii) Chloride, percent by mass #	9.2	Not more than 0.1	0.082
PHYSICAL REQUIREMENTS :	7		
(i) FINENESS : SP. SURFACE	7.1	Not less than 300 m ² /kg	350
(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%	0.040
(iii) SETTING TIME	7.3		
a) Initial Setting time in Minutes		30 minutes, minimum	130
b) Final setting time in Minutes		600 minutes, maximum	180
(iv) COMPRESIVE STRENGTH	7.4		
72 ± 1 Hours (3 Days)		16 Mpa, Min	31.0
168 ± 2 Hours (7 Days)		22 Mpa, Min	37.0
672 ± 4 Hours (28 Days)		33 Mpa, Min	Under Testing
(v) Drying Shrinkage	7.5	Not be more than 0.15%	Under Testing



REMARKS : The test results complies with the requirements of IS: 1489(Part-I) : 2015 for all Chemical requirements and Physical requirements including Compressive Strength up to 7-days.

Not covered unde NABL Accreditation at present

Note : Results reported above are the average test results of all samples testing during relevant week.

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

S. K. Sood
HOD(QC)

