



A Group Company
of Vicat, France

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KALBURGI CEMENT PVT. LTD.



TEST CERTIFICATE

IS:1489(Part-1)



CM/L-459668

PORTLAND POZZOLANA CEMENT(FLY ASH BASED)

Dispatched from: 15.01.2016 TO 21.01.2016

Week No: 03

A. PHYSICAL REQUIREMENTS	RESULTS	As per IS 1489(Part-1) – 1991
Fineness:		
Specific Surface (m ² /kg)	334	Not less than 300
Normal Consistency (%)	32.50	---
Soundness:		
a. By Le-Chatelier Method (mm)	0.50	Not more than 10 mm
b. By Autoclave (%)	0.018	Not more than 0.8 %
Setting Time:		
a. Initial Setting Time (minutes)	165	Not less than 30
b. Final Setting Time (minutes)	265	Not more than 600
Compressive Strength (MPa)		
a. 3 days	25	Not less than 16
b. 7 days	Awaited	Not less than 22
c. 28 days	Awaited	Not less than 33
Drying Shrinkage (%)	Awaited	Not more than 0.15
Fly ash Addition (%)	33.00	Not more than 35
B. CHEMICAL REQUIREMENTS		
a. Insoluble residue (%)	29.55	X+ 4.0(100-X)/100 X=% of Fly ash
b. Magnesia(%)	0.83	Not more than 6.0
c. Sulphuric Anhydride (%)	1.89	Not more than 3.0
d. Loss on Ignition (%)	2.91	Not more than 5.0
e. Temperature During Testing (°C)	27.50	27 ± 2

DGM (QC)

Sr.GM (P&QC)