



A Group Company  
of Vicat, France

# KALBURGI CEMENT PVT. LTD.



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## TEST CERTIFICATE

IS:1489 (Part-1)



CM/L-4596685

## PORTLAND POZZOLANA CEMENT(FLY ASH BASED)

Despatched from: 15.01.2017 TO 21.01.2017

Week No: 3

A. PHYSICAL REQUIREMENTS	RESULTS	As per IS 1489 (Part-1) 2015
<b>Fineness:</b>		
a. Specific Surface (m <sup>2</sup> /kg)	343	Not less than 300
b. Normal Consistency (%)	32.00	---
<b>Soundness:</b>		
a. By Le-Chatelier Method (mm)	0.50	Not more than 10 mm
b. By Autoclave (%)	0.024	Not more than 0.8 %
<b>Setting Time:</b>		
a. Initial Setting Time (minutes)	225	Not less than 30
b. Final Setting Time (minutes)	330	Not more than 600
<b>Compressive Strength (MPa)</b>		
a. 3 days	30	Not less than 16
b. 7 days	Awaited	Not less than 22
c. 28 days	Awaited	Not less than 33
d. Drying Shrinkage(%)	Awaited	Not more than 0.15
e. Flyash Addition (%)	31.50	Not more than 35
<b>B. CHEMICAL REQUIREMENTS</b>		
a. Insoluble Residue (%)	28.55	$X+4(100-X)/100$ ; X = % of Flyash
b. Magnesia (%)	0.94	Not more than 6.0
c. Sulphuric Anhydride (%)	2.24	Not more than 3.0
d. Loss on Ignition (%)	2.10	Not more than 5.0
e. Temperature During Testing(°C)	27.00	27 ± 2

*T.S. 25/12*

Analyst (Q.C)

*[Signature]*

DGM (Q.C)