

STAR CEMENT LTD (GUWAHATI GRINDING UNIT)

TEST CERTIFICATE (PPC)

Doc. No.: GGU/QC /F-15

Rev. No.:01, Dt of Rev.: 01.11.2017



TEST CERTIFICATE

FOR

PORTLAND POZZOLANA CEMENT (FLY ASH BASED)

	<u>PARTICULARS</u>	TEST RESULTS		SPECIFICATION 39(Part-1):2015
	PHYSICAL RESULT			
1	Compressive Strength (MPa):			
	72± 1 hr. (3 days)	23.0	16	Min
	168± 2 hrs. (7 days)	32.6	22	Min
	$672 \pm 4 \text{ hrs.}$ (28 days)	RA	33	Min
2	Normal Consistency (%)	29.00		
3	Setting Time (Minutes):			
	Initial	150	30	Min
	Final	220	600	Max
4	Fineness - Blaine (m²/kg)	350	300	Min
5	Soundness:			
	Le-chatelier Expansion (in mm)	0.50	10	Max
	Autoclave Expansion (%)	0.03	0.80%	Max
	Drying Shrinkage (%)	RA	0.15%	Max
	CHEMICAL RESULT			
1	Total Loss on Ignition (%)	2.82	5.0	Max
2	Insoluble Residue (% by mass)	29.86	Not more than	=X+4.0(100-X)/100
			Min 0.6 X	
			(**) Where X is	declared % of FlyAsh
			in Cement	
3	Magnesia (% by mass)	1.73	6.0	Max
4	Total Sulphur content as sulphuric anhydride (SO_3) , percent by mass	2.22	3.5	Max
5	Chlorides (% by mass)	0.014	0.1	Max

The above test results complies with IS 1489 (Part- I) :2015 Portland Pozzolana Cement (Fly Ash Based)

(*) RA indicates "RESULTS AWAITED"

(**) Fly Ash addition 30.0 $\mbox{\$}$

Date of loading- 14.01.2022.

The amount of flyash in the furnished cement is not varying more than 3% from the declared value.

WEEK NO: 02/2022 Prepared By:

HOD (QC)

Star Cement Ltd

N.B- This is system generated report. Hence no signature required.