



STAR CEMENT LIMITED

LUMSHNONG; MEGHALAYA

TEST CERTIFICATE

FOR

PORTLAND POZZOLANA CEMENT (FLY ASH BASED)



CM/L -5239868

PARTICULARS

TEST RESULTS

B I S SPECIFICATION

(IS: 1489-Part I-2015)

PHYSICAL RESULT

1	Compressive Strength (MPa) :			
	72± 1 hr. (3 days)	24.00	16	Min
	168± 2 hrs. (7 days)	33.00	22	Min
	672 ± 4 hrs. (28 days)	RA	33	Min
2	Normal Consistency (%)	31.50		
3	Setting Time (Minutes) :			
	Initial	160	30	Min
	Final	195	600	Max
4	Fineness - Blaine (m²/kg)	354	300	Min
5	Soundness:			
	Le-Chatelier Expansion (in mm)	1.00	10	Max
	Autoclave Expansion (%)	0.06	0.80%	Max
	Drying Shrinkage (%)	RA	0.15%	Max

CHEMICAL RESULT

1	Total Loss on Ignition (%)	4.18	5.0	Max
2	Insoluble Residue (% by mass)	26.96	Not more than 0.60*X	=X+4.0(100-X)/100 Min
			(**) Where X is declared % of FlyAsh in Cement	
3	Magnesia (% by mass)	1.62	6.0	Max
4	Total Sulphur content as sulphuric anhydride (SO ₃), percent by mass	2.10	3.5	Max
5	Chlorides (% by mass)	0.01	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 28.25%

BATCH NO: 03/ January 2022

DATE OF LOADING: - 15.01.22

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

HOD (QC)

Star Cement Ltd