



ISO 9001, ISO 14001, ISO 50001 & OHSAS 18001
Certified by IRQS

IS 455



CM/L-6957196

**JSW CEMENT LTD.,
VIJAYANAGAR WORKS**


IS: 455: 2015

**TEST CERTIFICATE FOR PORTLAND SLAG CEMENT
(POWER PRO)**

S.No.	Characteristics	Requirement as Per IS 455:2015	Test Result
	CHEMICAL REQUIREMENTS	% Max.	
1	Magnesium Oxide (% MgO)	10.0	5.37
2	Sulphur Trioxide (% SO ₃)	3.5	1.53
3	Sulphide Sulphur (% S)	1.5	0.19
4	Loss On Ignition (%)	5.0	0.92
5	Insoluble Residue (%)	4.0	0.86
6	Chlorides (%)	0.1	0.009
7	Alkali Content (%) as Na ₂ O	0.6	0.38
	PHYSICAL REQUIREMENTS		
1	Normal Consistency	NA	30.25
2	Fineness (M ² /Kg)(Min)	225	339
3	Setting Time (minutes)		
	a) Initial(Min)	30	150
	b) Final(Max)	600	245
4	Soundness		
	a) Le-chatelier (mm)(Max)	10	1.00
	b) Auto Clave (%) (Max)	0.8	0.009
5	Compressive Strength (MPa)		
	a) 72 ± 1h (3 days)(Min)	16	20.70
	b) 168 ± 2h(7 days)(Min)	22	30.50
	c) 672 ± 4h (28 days)(Min)	33	Awaited

Week No. 28

09.07.2023-15.07.2023


Authorized signatory