



**BUREAU
VERITAS**



NABL Accredited Lab

Test Order/Report No. BVIPL: SPL: 25941C/2789/7/2018/2
Date of Receipt: 31.07.2018

Date : 19.10.2018
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DALMIA CEMENT (BHARAT) LIMITED

11th and 12th floor, Hansalaya Building, 15 Barakhamba Road, New Delhi-110001

**TEST RESULTS ON ELECTRICAL INDICATION OF CONCRETE'S ABILITY TO RESIST CHLORIDE ION PENETRATION
(RCPT)**

Source of Sample	:	Sample supplied by the customer.
Number of sample Tested	:	03 (Three Only)
Customer's Reference	:	Requisition form no.246, dtt.31.07.2018
Condition of sample	:	Satisfactory
Lab Reference Number	:	2018/AUG/274504
Period of Test	:	29.08.2018 to 02.09.2018
Technical Reference	:	ASTM C 1202-2012

Mix Design Details

SI No.	Particulars/Ingredients	Kg/m ³
1	DIG (cement- Dalmia both flyash and slag based)	450
2	Crushed sand	880
3	20MM	300
4	10MM	680
5	Water	120
6	PC Admixture - 1A (Jilin India)	2.25

Test Results:

Sl. No.	Identification*	Concrete Slice (Charge passed in coulombs)	Concrete Slice (Average Charge passed in coulombs)	Chloride Ion Penetrability
1	DIG Cement from OCL-(O)	175.05	167	Very Low
		167.1		
		157.5		

Requirement as per ASTM C1202-2012, Table 1, and Chloride Ion Penetrability based on charge passed

Coulombs Value Limit	Penetration Remark
Less than 100 Coulombs	Negligible
100-1000 Coulombs	Very Low
1000-2000 Coulombs	Low
2000-4000 Coulombs	Moderate
More than 4000 Coulombs	High

* As furnished by the customer.

This Report Supersedes Report no.25941c/2789/7/2018 on dated.06.09.2018.

- Note:
1. the results relate only to the items tested.
 2. Report shall not be reproduced except in full, without the written approval of the lab.
 3. Any correction invalidates this report.

For **BUREAU VERITAS (INDIA) PVT LTD.**
Construction Services Laboratory

Dinesh Gaikwad

2018/CHEM/W1757/2



Dinesh Gaikwad
Lab Incharge-Chemical
Authorised Signatory