



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name ADVANCED DIAGNOSTIC LABORATORY, DR. FIXIT INSTITUTE OF STRUCTURAL PROTECTION & REHABILITATION, PIDILITE INDUSTRIES LIMITED, RAMKRISHNA MANDIR ROAD, ANDHERI(E), MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6042 Page No. : 1 / 3

Validity 01/06/2019 to 31/05/2021 Last Amended on 04/06/2019

| S.No                      | Discipline / Group              | Product / Material of Test        | Specific Test Performed                                    | Test Method Specification against which tests are performed | Range of Testing/ Limits of Detection       |
|---------------------------|---------------------------------|-----------------------------------|--|---|---|
| <b>Permanent Facility</b> |                                 |                                   |  |   |   |
| 1                         | CHEMICAL- BUILDING MATERIAL     | Hardened Concrete                 | Chloride Content   | IS 14959 (Part 2): 2016                                     | 0.01 % to 0.6 %                             |
| 2                         | CHEMICAL- BUILDING MATERIAL     | Hardened Concrete                 | pH Value   | IS:3025(Part 11): 2017                                      | 3 to 14                                     |
| 3                         | CHEMICAL- BUILDING MATERIAL     | Hardened Concrete                 | Rapid Chloride Ion Permeability test                       | ASTM C1202: 2010  | 500 Coulombs to 6000 Coulombs               |
| 4                         | CHEMICAL- BUILDING MATERIAL     | Hardened Concrete                 | Sulphate content - SO <sub>3</sub>                         | BS 1881(Part 124): 1988                                     | 0.1 % to 2 %                                |
| 5                         | CHEMICAL- BUILDING MATERIAL     | Rock / Aggregate                  | Alkali Aggregate Reactivity Test (Dissolved Silica)        | IS:2386 (Part 7): 2016                                      | 2.5 m moles /lit to 600 m moles/lit         |
| 6                         | CHEMICAL- BUILDING MATERIAL     | Rock / Aggregate                  | Alkali Aggregate Reactivity Test (Reduction in Alkalinity) | IS:2386 (Part 7): 2016                                      | 2.5 m moles /lit to 1000 m moles /lit       |
| 7                         | MECHANICAL- BUILDINGS MATERIALS | Aggregates for Concrete           | Petrographic Examination                                   | IS 2386 Part VIII: 1963 RA 2016                             | Qualitative                                 |
| 8                         | MECHANICAL- BUILDINGS MATERIALS | Concrete                          | Petrographic Examination                                   | ASTM C856: 2018   | Qualitative                                 |
| 9                         | MECHANICAL- BUILDINGS MATERIALS | Hardened Concrete                 | Depth of Penetration of Water under Penetration            | BS EN 12390-8: 2009   | 0 mm to 100 mm                              |
| 10                        | MECHANICAL- BUILDINGS MATERIALS | Hardened Concrete - Cubes & Cores | Compressive Strength                                       | IS:516: 1959 RA 2013  | 2 N/mm <sup>2</sup> to 75 N/mm <sup>2</sup> |



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|----------------------|---|----------------------------|--------------------------------|---|---------------------------------------|
| <b>Site Facility</b> |   |                            |                                |   |                                       |
| 1                    | MECHANICAL-BUILDINGS MATERIALS                                      | Concrete Masonry Surfaces  | Thermographic Inspection       | ASTM C1060: 2015  | Qualitative                           |
| 2                    | MECHANICAL-BUILDINGS MATERIALS                                      | Hardened Concrete          | Pull-out Force                 | EN 12504-3: 2005  | 1 kN to 80 kN                         |
| 3                    | NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES | Hardened Concrete          | Carbonation                    | BS EN 14630: 2006   | 0 mm to 80 mm                         |
| 4                    | NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES | Hardened Concrete          | Depth of Cover                 | BS:1881 (Part 204): 1986                                    | 5 mm to 80 mm                         |
| 5                    | NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES | Hardened Concrete          | Half Cell potential Difference | ASTM C876: 2015   | -750 mV to 200 mV                     |
| 6                    | NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES | Hardened Concrete          | Rebound Hammer                 | IS 13311 (Part 2) 1991, RA: 2013                            | 10 R to 65 R                          |



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|------|---|----------------------------|---------------------------|---|---------------------------------------|
| 7    | NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES | Hardened Concrete          | Ultrasonic Pulse Velocity | IS:13311 (Part 1): 1991, RA: 2008                           | 0.1 km/sec to 5 km/sec                |