

Laboratory Aqua Lab, Gala No.A-1, Singh Industrial Estate, Building No. 1, Ram Mandir Road, Goregaon (West), Mumbai, Maharashtra

Accreditation Standard ISO/IEC 17025: 2005

Discipline Mechanical Testing **Issue Date** 21.07.2015

Certificate Number T-3527 **Valid Until** 20.07.2017

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| S. No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|-----------|---|----------------------------------|---|--|
| I. | BUILDING MATERIALS | | | |
| 1. | Concrete | Compressive Strength | IS 516: 1959 (RA 2008) | 5 N/mm ² to 80 N/mm ² |
| 2. | Concrete Block | Compressive Strength | IS 2185 (Part 1): 2005 (RA 2010) | 5 N/mm ² to 50 N/mm ² |
| | | Water Absorption | IS 2185 (Part 1): 2005 (RA 2010) | 0.1 % to 20 % |
| 3. | Paver Block | Compressive Strength | IS 15658: 2006 (RA 2011) | 5 MPa to 65 MPa |
| | | Water Absorption | IS 15658: 2006 (RA 2011) | 4 % to 8 % |
| 4. | Bricks (Pulverized Fuel Ash Bricks / Burnt Clay Bricks) | Compressive Strength | IS 3495 (Part 1): 1992 (RA 2011) | 3.5 MPa to 35 MPa |
| 5. | Aggregate (Coarse & Fine) | Sieve Analysis (Fine) | IS 2386 (Part 1): 1963 (RA 2011) | 75 µm to 4.75 mm |
| | | Sieve Analysis (Coarse) | IS 2386 (Part 1): 1963 (RA 2011) | 4.75 mm to 40 mm |
| | | Specific Gravity | IS 2386 (Part 3): 1963 (RA 2011) | 2 to 4 |
| | | Water Absorption | IS 2386 (Part 3): 1963 (RA 2011) | 0.1 % to 10 % |
| | | Bulk Density (Loose) | IS 2386 (Part 3): 1963 (RA 2011) | 1000 kg/m ³ to 3000 kg/m ³ |
| | | Impact Value | IS 2386 (Part 4): 1963 (RA 2011) | 5 % to 50 % |
| | | Flakiness Index | IS 2386 (Part 1): 1963 (RA 2011) | 5 % to 50 % |
| | Elongation Index | IS 2386 (Part 1): 1963 (RA 2011) | 5 % to 50 % | |

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Mohit Kaushik
Convenor

N. Venkateswaran
Program Manager