# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** SHREE HARI TESTING AND CONSULTANCY, 254/1BB, BHURAVAV, LUNAWADA ROAD, GODHRA, PANCH MAHAL, GUJARAT, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** TC-5896 **Page No** 1 of 5

**Validity** 08/10/2021 to 07/10/2023 **Last Amended on** -

| S.No | Discipline / Group | Materials or Products tested | Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed | Test Method Specification against which tests are performed and / or the techniques / equipment used |
|---|---|---|---|---|
| Permanent Facility | | | | |
| 1 | CHEMICAL- WATER | Construction Water | Chloride | IS 3025 (Part 32) |
| 2 | CHEMICAL- WATER | Construction Water | pH | IS 3025 (Part 11) |
| 3 | CHEMICAL- WATER | Construction Water | Sulphate | IS 3025 (Part 24) |
| 4 | CHEMICAL- WATER | Drinking Water | Chloride | IS 3025 (Part 32) |
| 5 | CHEMICAL- WATER | Drinking Water | pH | IS 3025 (Part 11) |
| 6 | CHEMICAL- WATER | Drinking Water | Sulphate | IS 3025 (Part 24) |
| 7 | MECHANICAL- BUILDINGS MATERIALS | Aggregates (Coarse) | 10% Fine Value | IS 2386 (Part 4) |
| 8 | MECHANICAL- BUILDINGS MATERIALS | Aggregates (Coarse) | Abrasion Value | IS 2386 (Part 4) |
| 9 | MECHANICAL- BUILDINGS MATERIALS | Aggregates (Coarse) | Crushing Value | IS 2386 (Part 4) |
| 10 | MECHANICAL- BUILDINGS MATERIALS | Aggregates (Coarse) | Elongation Index | IS 2386 (Part 1) |
| 11 | MECHANICAL- BUILDINGS MATERIALS | Aggregates (Coarse) | Flakiness Index | IS 2386 (Part 1) |
| 12 | MECHANICAL- BUILDINGS MATERIALS | Aggregates (Coarse) | Impact Value | IS 2386 (Part 4) |
| 13 | MECHANICAL- BUILDINGS MATERIALS | Aggregates (Coarse) | Size and Grading | IS 2386 (Part 1) |
| 14 | MECHANICAL- BUILDINGS MATERIALS | Aggregates (Coarse) | Specific Gravity | IS 2386 (Part 3) |
| 15 | MECHANICAL- BUILDINGS MATERIALS | Aggregates (Coarse) | Water Absorption | IS 2386 (Part 3) |
| 16 | MECHANICAL- BUILDINGS MATERIALS | Aggregates (Fine) | Size and Grading | IS 2386 (Part 1) |
| 17 | MECHANICAL- BUILDINGS MATERIALS | Aggregates (Fine) | Specific Gravity | IS 2386 (Part 3) |
| 18 | MECHANICAL- BUILDINGS MATERIALS | Aggregates (Fine) | Water Absorption | IS 2386 (Part 3) |
| 19 | MECHANICAL- BUILDINGS MATERIALS | Bitumen | Absolute Viscosity | IS 1206 (Part 2) |
| 20 | MECHANICAL- BUILDINGS MATERIALS | Bitumen | Ductility | IS 1208 |

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| 21 | MECHANICAL- BUILDINGS MATERIALS | Bitumen | Kinematic Viscosity | IS 1206 (Part 3) |
| 22 | MECHANICAL- BUILDINGS MATERIALS | Bitumen | Penetration @ 25ºC | IS 1203 |
| 23 | MECHANICAL- BUILDINGS MATERIALS | Bitumen | Softening Point | IS 1205 |
| 24 | MECHANICAL- BUILDINGS MATERIALS | Bitumen | Specific Gravity | IS 1202 |
| 25 | MECHANICAL- BUILDINGS MATERIALS | Bituminious Mix | Bitumen Content | IRC SP 11 |
| 26 | MECHANICAL- BUILDINGS MATERIALS | Bituminious Mix | Flow | ASTM D6927 |
| 27 | MECHANICAL- BUILDINGS MATERIALS | Bituminous Mix | Marshall Stability | ASTM D6927 |
| 28 | MECHANICAL- BUILDINGS MATERIALS | Bricks | Compressive Strength | Is 3495 (Part 1) |
| 29 | MECHANICAL- BUILDINGS MATERIALS | Bricks | Dimension (Height) | IS 1077 |
| 30 | MECHANICAL- BUILDINGS MATERIALS | Bricks | Dimension (Length) | IS 1077 |
| 31 | MECHANICAL- BUILDINGS MATERIALS | Bricks | Dimension (Width) | IS 1077 |
| 32 | MECHANICAL- BUILDINGS MATERIALS | Bricks | Efflorescence | IS 3495 (Part 3) |
| 33 | MECHANICAL- BUILDINGS MATERIALS | Bricks | Water Absorption | IS 3495 (Part 2) |
| 34 | MECHANICAL- BUILDINGS MATERIALS | Cement (OPC, PPC) | Compressive Strength | IS 4031 (Part 6) |
| 35 | MECHANICAL- BUILDINGS MATERIALS | Cement (OPC, PPC) | Density | IS 4031 (Part 11) |
| 36 | MECHANICAL- BUILDINGS MATERIALS | Cement (OPC, PPC) | Final Setting Time | IS 4031 (Part 5) |
| 37 | MECHANICAL- BUILDINGS MATERIALS | Cement (OPC, PPC) | Fineness by Blaine's Air Permeability | IS 4031 (Part 2) |
| 38 | MECHANICAL- BUILDINGS MATERIALS | Cement (OPC, PPC) | Initial Setting Time | IS 4031 (Part 5) |
| 39 | MECHANICAL- BUILDINGS MATERIALS | Cement (OPC, PPC) | Soundness by Lechatlier | IS 4031 (Part 3) |

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| 40 | MECHANICAL- BUILDINGS MATERIALS | Cement (OPC, PPC) | Standard Consistency | IS 4031 (Part 4) |
| 41 | MECHANICAL- BUILDINGS MATERIALS | Concrete | Compressive Strength of Hardened Concrete | IS 516 |
| 42 | MECHANICAL- BUILDINGS MATERIALS | Concrete | Workability of Fresh Concrete (Slump) | IS 1199 |
| 43 | MECHANICAL- BUILDINGS MATERIALS | Paver Block | Compressive Strength OF Paver Block | IS 15658 |
| 44 | MECHANICAL- BUILDINGS MATERIALS | Paver Block | Water Absorption of Paver Block | IS 15658 |
| 45 | MECHANICAL- MECHANICAL PROPERTIES OF METALS | HSDS Steel Bars (Reinforcement Steel) | Elongation | IS 1608 (Part 1) |
| 46 | MECHANICAL- MECHANICAL PROPERTIES OF METALS | HSDS Steel Bars (Reinforcement Steel) | Mass per Meter | IS 1786 |
| 47 | MECHANICAL- MECHANICAL PROPERTIES OF METALS | HSDS Steel Bars (Reinforcement Steel) | Ultimate Tensile Stress | IS 1608 (Part 1) |
| 48 | MECHANICAL- MECHANICAL PROPERTIES OF METALS | HSDS Steel Bars (Reinforcement Steel) | Yield Stress | IS 1608 (Part 1) |
| 49 | MECHANICAL- SOIL AND ROCK | Building Stone | Specific Gravity | IS 1124 |
| 50 | MECHANICAL- SOIL AND ROCK | Clays & Soils | California Bearing Ratio | IS 2720 (Part 16) |
| 51 | MECHANICAL- SOIL AND ROCK | Clays & Soils | Direct Shear Test (Angle of Internal Friction) | IS 2720 (Part 13) |
| 52 | MECHANICAL- SOIL AND ROCK | Clays & Soils | Direct Shear Test (Cohesion) | IS 2720 (Part 13) |
| 53 | MECHANICAL- SOIL AND ROCK | Clays & Soils | Field Density Test by Core Cutter Method | IS 2720 (Part 29) |
| 54 | MECHANICAL- SOIL AND ROCK | Clays & Soils | Field Density Test by Sand Replacement Method | IS 2720 (Part 28) |
| 55 | MECHANICAL- SOIL AND ROCK | Clays & Soils | Field Moisutre Test by Core Cutter Method | IS 2720 (Part 29) |
| 56 | MECHANICAL- SOIL AND ROCK | Clays & Soils | Field Moisutre Test by Sand Replacement Method | IS 2720 (Part 28) |

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| 57 | MECHANICAL- SOIL AND ROCK | Clays & Soils | Free Swell Index | IS 2720 (Part 40) |
| 58 | MECHANICAL- SOIL AND ROCK | Clays & Soils | Heavy Compaction (MDD) | IS 2720 (Part 8) |
| 59 | MECHANICAL- SOIL AND ROCK | Clays & Soils | Heavy Compaction (OMC) | IS 2720 (Part 8) |
| 60 | MECHANICAL- SOIL AND ROCK | Clays & Soils | Light Compaction (MDD) | IS 2720 (Part 7) |
| 61 | MECHANICAL- SOIL AND ROCK | Clays & Soils | Light Compaction (OMC) | IS 2720 (Part 7) |
| 62 | MECHANICAL- SOIL AND ROCK | Clays & Soils | Liquid Limit | IS 2720 (Part 5) |
| 63 | MECHANICAL- SOIL AND ROCK | Clays & Soils | Moisture Content | IS 2720 (Part 2) |
| 64 | MECHANICAL- SOIL AND ROCK | Clays & Soils | Plastic Index | IS 2720 (Part 5) |
| 65 | MECHANICAL- SOIL AND ROCK | Clays & Soils | Plastic Limit | IS 2720 (Part 5) |
| 66 | MECHANICAL- SOIL AND ROCK | Clays & Soils | Sieve Analysis by Wet Sieving | IS 2720 (Part 4) |
| 67 | MECHANICAL- SOIL AND ROCK | Clays & Soils | Specific Gravity | IS 2720 (Part 3-Sec 1) |
| 68 | MECHANICAL- SOIL AND ROCK | Clays & Soils | Triaxial (angle of Internal Friction) | IS 2720 Part 11 |
| 69 | MECHANICAL- SOIL AND ROCK | Clays & Soils | Triaxial (Cohesion) | IS 2720 Part 11 |
| 70 | MECHANICAL- SOIL AND ROCK | Clays & Soils | Unconfined Compressive Strength | IS 2720 (Part 10) |
| 71 | MECHANICAL- SOIL AND ROCK | Rock | Density | IS 13030 |
| 72 | MECHANICAL- SOIL AND ROCK | Rock | Porosity | IS 13030 |
| 73 | MECHANICAL- SOIL AND ROCK | Rock | Unconfined Compressive Strength | IS 9143 |
| 74 | NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES | Reinforced Concrete Structure | Carbonation Test | IS 516 (Part 5/ Sec 3) |

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| 75 | NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES | Reinforced Concrete Structure | Half Cell Potential difference Test | ASTM C 876 |
| 76 | NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES | Reinforced Concrete Structure | Rebound Hammer Test | IS 516 (Part 5/Sec 4) |
| 77 | NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES | Reinforced Concrete Structure | Ultrasonic Pulse Velocity Tests | IS 516 (Part 5/Sec 1) |