# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** ACCURATE ENGINEERING AND CONSULTANCY SERVICES, SURVEY NO. 78/1, KHODIYAR RAILWAY STATION, KHORAJ, GANDHINAGAR, GUJARAT, INDIA

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

**Certificate Number** TC-9877 **Page No** 1 of 6

**Validity** 20/09/2021 to 19/09/2023 **Last Amended on** -

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|---|---|---|---|---|
| Permanent Facility | | | | |
| 1 | MECHANICAL- BUILDINGS MATERIALS | Bitumen | Absolute Viscosity | IS 1206 (Part 2) |
| 2 | MECHANICAL- BUILDINGS MATERIALS | Bitumen | Ductility | IS 1208 |
| 3 | MECHANICAL- BUILDINGS MATERIALS | Bitumen | Kinematic Viscosity | IS 1206 (Part 3 ) |
| 4 | MECHANICAL- BUILDINGS MATERIALS | Bitumen | Penetration | IS 1203 |
| 5 | MECHANICAL- BUILDINGS MATERIALS | Bitumen | Softening Point | IS 1205 |
| 6 | MECHANICAL- BUILDINGS MATERIALS | Bitumen | Specific Gravity | IS 1202 |
| 7 | MECHANICAL- BUILDINGS MATERIALS | Bitumen | Stripping Value of Road Aggregates | IS 6241 |
| 8 | MECHANICAL- BUILDINGS MATERIALS | Bitumen Mix | Binder Content | IRC SP 11 |
| 9 | MECHANICAL- BUILDINGS MATERIALS | Bitumen Mix | Binder Content | IS 13826 (Part 7) |
| 10 | MECHANICAL- BUILDINGS MATERIALS | Bitumen Mix | Marshal Stability | ASTM D6927 |
| 11 | MECHANICAL- BUILDINGS MATERIALS | Burnt Clay Bricks | Compressive Strength | IS 3495 (Part 1) |
| 12 | MECHANICAL- BUILDINGS MATERIALS | Burnt Clay Bricks | Dimension- Height | IS 1077 |
| 13 | MECHANICAL- BUILDINGS MATERIALS | Burnt Clay Bricks | Dimension- Length | IS 1077 |
| 14 | MECHANICAL- BUILDINGS MATERIALS | Burnt Clay Bricks | Dimension- Width | IS 1077 |
| 15 | MECHANICAL- BUILDINGS MATERIALS | Burnt Clay Bricks | Efflorescence | IS 3495 (Part 3) |
| 16 | MECHANICAL- BUILDINGS MATERIALS | Burnt Clay Bricks | Water Absorption | IS 3495 (Part 2) |
| 17 | MECHANICAL- BUILDINGS MATERIALS | Cement (OPC/PPC) | Compressive Strength | IS 4031 (Part 6) |
| 18 | MECHANICAL- BUILDINGS MATERIALS | Cement (OPC/PPC) | Density | IS 4031 (Part 11) |

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| 19 | MECHANICAL- BUILDINGS MATERIALS | Cement (OPC/PPC) | Final Setting Time | IS 4031 (Part 5) |
| 20 | MECHANICAL- BUILDINGS MATERIALS | Cement (OPC/PPC) | Fineness by Blaine Air Permeability Method | IS 4031 (Part 2) |
| 21 | MECHANICAL- BUILDINGS MATERIALS | Cement (OPC/PPC) | Initial Setting Time | IS 4031 (Part 5) |
| 22 | MECHANICAL- BUILDINGS MATERIALS | Cement (OPC/PPC) | Normal Consistency | IS 4031 (Part 4) |
| 23 | MECHANICAL- BUILDINGS MATERIALS | Cement (OPC/PPC) | Soundness By Le-Chatlier Expansion | IS 4031 (Part 3) |
| 24 | MECHANICAL- BUILDINGS MATERIALS | Cement Concrete Cube | Compressive Strength | IS 516 |
| 25 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregates | Bulk Density- Compacted | IS 2386 (Part 3) |
| 26 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregates | Bulk Density- Loose | IS 2386 (Part 3) |
| 27 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregates | Crushing Value | IS 2386 (Part 4) |
| 28 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregates | Elongation Index | IS 2386 (Part 1) |
| 29 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregates | Flakiness Index | IS 2386 (Part 1) |
| 30 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregates | Impact Value | IS 2386 (Part 4) |
| 31 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregates | Los Angeles Abrasion Value | IS 2386 (Part 4) |
| 32 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregates | Sieve Analysis (80 mm to 2.36 mm) | IS 2386 (Part 1) |
| 33 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregates | Specific Gravity | IS 2386 (Part 1) |
| 34 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregates | Water Absorption | IS 2386 (Part 3) |
| 35 | MECHANICAL- BUILDINGS MATERIALS | Fine Aggregates | Bulk Density- Compacted | IS 2386 (Part 3) |
| 36 | MECHANICAL- BUILDINGS MATERIALS | Fine Aggregates | Bulk Density- Loose | IS 2386 (Part 3) |
| 37 | MECHANICAL- BUILDINGS MATERIALS | Fine Aggregates | Sieve Analysis (10 mm to 0.150 mm) | IS 2386 (Part 1) |

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| 38 | MECHANICAL- BUILDINGS MATERIALS | Fine Aggregates | Specific Gravity | IS 2386 (Part 1) |
| 39 | MECHANICAL- BUILDINGS MATERIALS | Fine Aggregates | Water Absorption | IS 2386 (Part 3) |
| 40 | MECHANICAL- BUILDINGS MATERIALS | Fly Ash | Fineness by Blaine air Permeability Method | IS 1727 |
| 41 | MECHANICAL- BUILDINGS MATERIALS | Fly Ash | Particle Retained on 45 micron IS Sieve (Wet Sieving) | IS 1727 |
| 42 | MECHANICAL- BUILDINGS MATERIALS | Fly Ash | Specific Gravity | IS 1727 |
| 43 | MECHANICAL- BUILDINGS MATERIALS | Fresh Concrete | Slump Test | IS 1199 |
| 44 | MECHANICAL- BUILDINGS MATERIALS | Hardened Concrete | Compressive Strength of Accelerated Cured Concrete | IS 9013 |
| 45 | MECHANICAL- BUILDINGS MATERIALS | Paver Block | Compressive Strength | IS 15658 |
| 46 | MECHANICAL- BUILDINGS MATERIALS | Paver Block | Water Absorption | IS 15658 |
| 47 | MECHANICAL- BUILDINGS MATERIALS | Reinforcement Steel | Mass per meter | IS 1786 |
| 48 | MECHANICAL- BUILDINGS MATERIALS | Reinforcement Steel | Bend Test | IS 1599 |
| 49 | MECHANICAL- BUILDINGS MATERIALS | Reinforcement Steel | Elongation Percent | IS 1608 (Part 1) |
| 50 | MECHANICAL- BUILDINGS MATERIALS | Reinforcement Steel | Re-bend test | IS 1786 |
| 51 | MECHANICAL- BUILDINGS MATERIALS | Reinforcement Steel | Tensile Strength | IS 1608 (Part 1) |
| 52 | MECHANICAL- BUILDINGS MATERIALS | Reinforcement Steel | Yield Strength | IS 1608 (Part 1) |
| 53 | MECHANICAL- SOIL AND ROCK | Soil | C.B.R. Test (Soaked & Un-Soaked) | IS 2720 (Part 16) |
| 54 | MECHANICAL- SOIL AND ROCK | Soil | Direct Shear Angle of Internal Friction | IS 2720 (Part 13) |
| 55 | MECHANICAL- SOIL AND ROCK | Soil | Direct Shear Cohesion | IS 2720 (Part 13) |
| 56 | MECHANICAL- SOIL AND ROCK | Soil | Free Swell Index | IS 2720 (Part 40) |

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| 57 | MECHANICAL- SOIL AND ROCK | Soil | Grain Size Analysis | IS 2720 (Part 4) |
| 58 | MECHANICAL- SOIL AND ROCK | Soil | Heavy Compaction Modified Proctor- MDD | IS 2720 (Part 7) |
| 59 | MECHANICAL- SOIL AND ROCK | Soil | Heavy Compaction Modified Proctor- OMC | IS 2720 (Part 7) |
| 60 | MECHANICAL- SOIL AND ROCK | Soil | Light Compaction Standard Proctor- MDD | IS 2720 (Part 7) |
| 61 | MECHANICAL- SOIL AND ROCK | Soil | Light Compaction Standard Proctor- OMC | IS 2720 (Part 7) |
| 62 | MECHANICAL- SOIL AND ROCK | Soil | Liquid Limit | IS 2720 (Part 5) |
| 63 | MECHANICAL- SOIL AND ROCK | Soil | Odeometer Consolidation Test- Pressure of Consolidation | IS 2720 (Part 15) |
| 64 | MECHANICAL- SOIL AND ROCK | Soil | Oedeometer Consolidation Test- Coefficient of Consolidation | IS 2720 (Part 15) |
| 65 | MECHANICAL- SOIL AND ROCK | Soil | Permeability Test by Constant Head Method | IS 2720 (Part 17) |
| 66 | MECHANICAL- SOIL AND ROCK | Soil | Permeability Test by Falling Head Method | IS 2720 (Part 17) |
| 67 | MECHANICAL- SOIL AND ROCK | Soil | Plastic Limit | IS 2720 (Part 5) |
| 68 | MECHANICAL- SOIL AND ROCK | Soil | Relative Density | IS 2720 (Part 14) |
| 69 | MECHANICAL- SOIL AND ROCK | Soil | Shrinkage Limit | IS 2720 (Part 6) |
| 70 | MECHANICAL- SOIL AND ROCK | Soil | Specific Gravity | IS 2720 (Part 3, Section 1) |
| 71 | MECHANICAL- SOIL AND ROCK | Soil | Swell Pressure | IS 2720 (Part 41) |
| 72 | MECHANICAL- SOIL AND ROCK | Soil | Triaxial - Angle of Internal Friction | IS 2720 (Part 11) |
| 73 | MECHANICAL- SOIL AND ROCK | Soil | Triaxial- Cohesion | IS 2720 (Part 13) |
| 74 | MECHANICAL- SOIL AND ROCK | Soil | Unconfined Compression Strength | IS 2720 (Part 10) |

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| 75 | NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES | Benkelman Beam Deflection Test | Benkelman Beam Deflection Test | IRC 81 |

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|---|---|---|---|---|
| Site Facility | | | | |
| 1 | MECHANICAL- SOIL AND ROCK | Field Soil | Field CBR | IS 2720 (Part 31) |
| 2 | MECHANICAL- SOIL AND ROCK | Field Soil | Field Density Test by Core Cutter Method | IS 2720 (Part 29) |
| 3 | MECHANICAL- SOIL AND ROCK | Field Soil | Field Density Test by Sand Replacement Method | IS 2720 (Part 28) |
| 4 | MECHANICAL- SOIL AND ROCK | Field Soil | Field Moisture Content Test by Core Cutter Method | IS 2720 (Part 29) |
| 5 | MECHANICAL- SOIL AND ROCK | Field Soil | Field Moisture Content Test by Sand Replacement Method | IS 2720 (Part 28) |
| 6 | MECHANICAL- SOIL AND ROCK | Field Soil | Standard Penetration Test | IS 2131 |
| 7 | NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES | Concrete Structures | Rebound Hammer Test | IS 13311 (Part 2) |