# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** N TECH CONSULTANCY SERVICES, SHOP NO.10, 11, 12, AYUSH RESIDENCY, CISF CAMP ROAD, SINGARVA, ODHAV, AHMEDABAD, GUJARAT, INDIA

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

**Certificate Number** TC-9572 **Page No** 1 of 5

**Validity** 03/06/2021 to 02/06/2023 **Last Amended on** -

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|---|---|---|---|---|
| Permanent Facility | | | | |
| 1 | MECHANICAL- BUILDINGS MATERIALS | A.A.C. Blocks | Compressive Strength | IS 6441 (Part 5), Clause no. 2 to 6 |
| 2 | MECHANICAL- BUILDINGS MATERIALS | A.A.C. Blocks | Dimension (Height) | IS 2185 (Part 3), Clause no. 3 |
| 3 | MECHANICAL- BUILDINGS MATERIALS | A.A.C. Blocks | Dimensions (Length) | IS 2185 (Part 3), Clause no. 3 |
| 4 | MECHANICAL- BUILDINGS MATERIALS | A.A.C. Blocks | Dimensions (Width) | IS 2185 (Part 3), Clause no. 3 |
| 5 | MECHANICAL- BUILDINGS MATERIALS | A.A.C. Blocks | Dry Density | IS 6441 (Part 1), Clause no. 2 to 6 |
| 6 | MECHANICAL- BUILDINGS MATERIALS | A.A.C. Blocks | Moisture Content | IS 6441 (Part 1), Clause no. 2 to 6 |
| 7 | MECHANICAL- BUILDINGS MATERIALS | Bricks | Compressive Strength | IS 3495 (Part 1), Clause no. 2 to 4 |
| 8 | MECHANICAL- BUILDINGS MATERIALS | Bricks | Dimensions (Breadth) | IS 1077, Clause no. 6 |
| 9 | MECHANICAL- BUILDINGS MATERIALS | Bricks | Dimensions (Height) | IS 1077, Clause no. 6 |
| 10 | MECHANICAL- BUILDINGS MATERIALS | Bricks | Dimensions (Length) | IS 1077, Clause no. 6 |
| 11 | MECHANICAL- BUILDINGS MATERIALS | Bricks | Efflorescence | IS 3495 (Part 3), Clause no. 2 to 4 |
| 12 | MECHANICAL- BUILDINGS MATERIALS | Bricks | Water Absorption | IS 3495 (Part 2), Clause no. 2 to 4 |
| 13 | MECHANICAL- BUILDINGS MATERIALS | Cement (O.P.C. & P.P.C.) | Fineness by blaine air permeabiity | IS 4031 (Part 2), Clause no. 2 to 5 |
| 14 | MECHANICAL- BUILDINGS MATERIALS | Cement (O.P.C., P.P.C. & S.R.P.C.) | Compressive Strength | IS 4031 (Part 6), Clause no. 2 to 8 |
| 15 | MECHANICAL- BUILDINGS MATERIALS | Cement (O.P.C., P.P.C. & S.R.P.C.) | Consistency | IS 4031 (Part 4), Clause no. 2 to 6 |
| 16 | MECHANICAL- BUILDINGS MATERIALS | Cement (O.P.C., P.P.C. & S.R.P.C.) | Determination Of Density | IS 4031 (Part 11), Clause no. 2 to 8 |
| 17 | MECHANICAL- BUILDINGS MATERIALS | Cement (O.P.C., P.P.C. & S.R.P.C.) | Final Setting Time | IS 4031 (Part 5), Clause no. 2 to 6 |
| 18 | MECHANICAL- BUILDINGS MATERIALS | Cement (O.P.C., P.P.C. & S.R.P.C.) | Initial Setting Time | IS 4031 (Part 5), Clause no. 2 to 6 |

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| 19 | MECHANICAL- BUILDINGS MATERIALS | Cement (O.P.C., P.P.C. & S.R.P.C.) | Soundness By Le-chatelier method | IS 4031 (Part 3), Clause no. 2 to 5 |
| 20 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregate | Aggregate Crushing Value | IS 2386 (Part 4), Clause no. 2 |
| 21 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregate | Aggregate Impact value | IS 2386 (Part 4), Clause no.4 |
| 22 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregate | Bulk Density | IS 2386 (Part 3), Clause no.3 |
| 23 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregate | Elongation Index | IS 2386 (Part 1), Clause no.5 |
| 24 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregate | Flakiness Index | IS 2386 (Part 1), Clause no. 4 |
| 25 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregate | Los Angeles abrasion Value | IS 2386 (Part 4), Clause no. 5.3 |
| 26 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregate | Sieve Analysis (100 mm to 4.75 mm IS Sieve) | IS 2386 (Part 1), Clause no.2 |
| 27 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregate | Specific Gravity | IS 2386 (Part 3), Clause no. 2.2 |
| 28 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregate | Water Absorption | IS 2386 (Part 3), Clause no. 2.2 |
| 29 | MECHANICAL- BUILDINGS MATERIALS | Concrete Paver Block | Water Absorption | IS 15658, Annex- C |
| 30 | MECHANICAL- BUILDINGS MATERIALS | Concrete Paver Blocks | Compressive Strength | IS 15658, Annex- D |
| 31 | MECHANICAL- BUILDINGS MATERIALS | Fine Aggregate | Bulk Density | IS 2386 (Part 3), Clause no. 3 |
| 32 | MECHANICAL- BUILDINGS MATERIALS | Fine Aggregate | Material Finer than 75 Microns | IS 2386 (Part 1), Clause no.3 |
| 33 | MECHANICAL- BUILDINGS MATERIALS | Fine Aggregate | Sieve Analysis (10 mm to 150 Microns) | IS 2386 (Part 1), Clause no. 2 |
| 34 | MECHANICAL- BUILDINGS MATERIALS | Fine Aggregate | Specific Gravity | IS 2386 (Part 3), Clause no. 2.4 |
| 35 | MECHANICAL- BUILDINGS MATERIALS | Fine Aggregate | Water Absorption | IS 2386 (Part 3), Clause no. 2.4 |
| 36 | MECHANICAL- BUILDINGS MATERIALS | Fresh Concrete | Slump test | IS 1199 (Part 2), Clause no. 4.3 |
| 37 | MECHANICAL- BUILDINGS MATERIALS | Hardened Concrete | Compressive Strength | IS 516, Clause no. 5 |

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| 38 | MECHANICAL- BUILDINGS MATERIALS | Hardened Concrete | Flexural strength of Beam | IS 516, Clause no. 8 |
| 39 | MECHANICAL- BUILDINGS MATERIALS | Reinforcement steel | Bend | IS 1599, Clause no. 2 to 8 |
| 40 | MECHANICAL- BUILDINGS MATERIALS | Reinforcement steel | Elongation | IS 1608 (Part 1), Clause no. 2 to 23 |
| 41 | MECHANICAL- BUILDINGS MATERIALS | Reinforcement steel | Nominal mass/meter | IS 1786, Clause no. 6 & 7 |
| 42 | MECHANICAL- BUILDINGS MATERIALS | Reinforcement steel | Rebend | IS 1786, Clause no. 9.4 |
| 43 | MECHANICAL- BUILDINGS MATERIALS | Reinforcement steel | Ultimate Tensile Stress | IS 1608 (Part 1), Clause no. 2 to 23 |
| 44 | MECHANICAL- BUILDINGS MATERIALS | Reinforcement steel | Yield Tensile stress | IS 1608 (Part 1), Clause no. 2 to 23 |
| 45 | MECHANICAL- SOIL AND ROCK | Soil | Atterberg’s limit (Liquid Limit) | IS 2720 (Part 5), Clause no. 3 & 4 |
| 46 | MECHANICAL- SOIL AND ROCK | Soil | Atterberg’s limit (Plastic Limit) | IS 2720 (Part 5), Clause no. 7 |
| 47 | MECHANICAL- SOIL AND ROCK | Soil | Consolidation test (Compression Index-Cc) | IS 2720 (Part 15), Clause no. 2 to 7 |
| 48 | MECHANICAL- SOIL AND ROCK | Soil | Direct Shear Test - Angle of Shearing resistance | IS 2720 (Part 13), Clause no. 2 to 6 |
| 49 | MECHANICAL- SOIL AND ROCK | Soil | Direct shear Test - Cohesion | IS 2720 (Part 13), Clause no. 2 to 6 |
| 50 | MECHANICAL- SOIL AND ROCK | Soil | Free Swell Index | IS 2720 (Part 40), Clause no. 2 to 4 |
| 51 | MECHANICAL- SOIL AND ROCK | Soil | Grain Size Analysis (100 mm to 75 microns Sieve) | IS 2720 (Part 4), Clause no. 2 to 4 |
| 52 | MECHANICAL- SOIL AND ROCK | Soil | Heavy Compaction (MDD) | IS 2720: (Part 8), Clause no. 2 to 7 |
| 53 | MECHANICAL- SOIL AND ROCK | Soil | Heavy Compaction (OMC) | IS 2720 (Part 8), Clause no. 2 to 7 |
| 54 | MECHANICAL- SOIL AND ROCK | Soil | Light Compaction (MDD) | IS 2720 (Part 7), Clause no. 2 to 7 |
| 55 | MECHANICAL- SOIL AND ROCK | Soil | Light Compaction (OMC) | IS 2720 (PART 7), Clause no. 2 to 7 |
| 56 | MECHANICAL- SOIL AND ROCK | Soil | Shrinkage Limit | IS 2720 (Part 6), Clause no. 2 to 8 |

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| 57 | MECHANICAL- SOIL AND ROCK | Soil | Specific gravity | IS 2720 (Part 3/Section 1), Clause no. 2 to 6 |
| 58 | MECHANICAL- SOIL AND ROCK | Soil | Swelling pressure | IS 2720 (Part 41), Clause no. 7 to 10 |
| 59 | MECHANICAL- SOIL AND ROCK | Soil | Triaxial Shear test - Angle of Shearing resistance | IS 2720 (Part 11), Clause no. 2 to 7 |
| 60 | MECHANICAL- SOIL AND ROCK | Soil | Triaxial shear test- Cohesion | IS 2720 (Part 11), Clause no. 2 to 7 |
| 61 | MECHANICAL- SOIL AND ROCK | Soil | Unconfined Compressive Strength | IS 2720 (Part 10), Clause no. 2 to 8 |

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| Site Facility | | | | |
| 1 | MECHANICAL- SOIL AND ROCK | Soil | Standard Penetration Test | IS 2131, Clause no. 2 to 4 |