# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** MATRIX TEST LAB, HISAR ROAD, SIRSA, HARYANA, INDIA

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

**Certificate Number** TC-8743 **Page No** 1 of 4

**Validity** 29/11/2021 to 28/11/2023 **Last Amended on** 06/01/2022

| 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 | MECHANICAL- BUILDINGS MATERIALS | BITUMEN | BITUMEN CONTENT | ASTM D2172 |
| 2 | MECHANICAL- BUILDINGS MATERIALS | BITUMEN | DUCTILITY | IS 1208 (EDITION 2.1 2004-2010) |
| 3 | MECHANICAL- BUILDINGS MATERIALS | BITUMEN | FLASH POINT | IS 1448 PART 69 |
| 4 | MECHANICAL- BUILDINGS MATERIALS | BITUMEN | PENETRATION TEST AT 25°C ,0.1 mm,100 gm,5 sec | IS 1203 (EDITION 2.2 1989-2003) |
| 5 | MECHANICAL- BUILDINGS MATERIALS | BITUMEN | SOFTENING POINT | IS 1205 (FIRST REVISION) |
| 6 | MECHANICAL- BUILDINGS MATERIALS | BITUMEN | SOLUBILITY BY TRICLOROETHYLENE | IS 1216 (FIRST REVISION) |
| 7 | MECHANICAL- BUILDINGS MATERIALS | BITUMEN | SPECIFIC GRAVITY | IS 1202 ( EDITION 2,2(2004-2010) |
| 8 | MECHANICAL- BUILDINGS MATERIALS | BITUMEN | STRIPPING VALUE | IS 6241 (RA 2017) |
| 9 | MECHANICAL- BUILDINGS MATERIALS | BRUNT CLAY BUILDING BRICK | COMPRESSIVE STRENGTH | IS 3495 PART 1 |
| 10 | MECHANICAL- BUILDINGS MATERIALS | BRUNT CLAY BUILDING BRICK | WATER ABSORPTION | IS 3495 PART 2 |
| 11 | MECHANICAL- BUILDINGS MATERIALS | BURNT CLAY BUILDING BRICK | DIMENSION (LENGTH) | IS 1077 (RA 2016) |
| 12 | MECHANICAL- BUILDINGS MATERIALS | BURNT CLAY BUILDING BRICK | DIMENSION(HEIGHT) | IS 1077 (RA 2016) |
| 13 | MECHANICAL- BUILDINGS MATERIALS | BURNT CLAY BUILDING BRICK | DIMENSION(WIDTH) | IS 1077 (RA 2016) |
| 14 | MECHANICAL- BUILDINGS MATERIALS | BURNT CLAY BUILDING BRICK | EFFLORESCENCE | IS 3495 PART 3 |
| 15 | MECHANICAL- BUILDINGS MATERIALS | CEMENT | COMPRESSIVE STRENGTH | IS 4031 PART 6(RA 2019) |
| 16 | MECHANICAL- BUILDINGS MATERIALS | CEMENT | FINAL SETTING TIME | IS 4031 PART 5(RA 2019) |
| 17 | MECHANICAL- BUILDINGS MATERIALS | CEMENT | FINENESS BY SIEVE ANALYSIS | IS 4031 PART 1 (RA 2021) |
| 18 | MECHANICAL- BUILDINGS MATERIALS | CEMENT | INITIAL SETTING TIME | IS 4031 PART 5(RA 2019) |

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| 19 | MECHANICAL- BUILDINGS MATERIALS | CEMENT | SOUNDNESS BY LE-CHATELIER | IS 4031 PART 3 (RA 2019) |
| 20 | MECHANICAL- BUILDINGS MATERIALS | COARSE AGGREGATE | BULK DENSITY | IS 2386 PART 3 (RA 2016) |
| 21 | MECHANICAL- BUILDINGS MATERIALS | COARSE AGGREGATE | IMPACT VALUE | IS 2386 PART 4 (RA 2016) |
| 22 | MECHANICAL- BUILDINGS MATERIALS | COARSE AGGREGATE | MOISTURE CONTENT | IS 2386 PART 3 (RA 2016) |
| 23 | MECHANICAL- BUILDINGS MATERIALS | COARSE AGGREGATE | SPECIFIC GRAVITY | IS 2386 PART 3 (RA 2016) |
| 24 | MECHANICAL- BUILDINGS MATERIALS | COARSE AGGREGATE | WATER ABSORPTION(10 mm to 40 mm) | IS 2386 PART 3 (RA 2016) |
| 25 | MECHANICAL- BUILDINGS MATERIALS | COARSE AGGREGATES | SIEVE ANALYSIS | IS 2386 PART 1 (RA 2016) |
| 26 | MECHANICAL- BUILDINGS MATERIALS | FINE AGGREGATE | BULK DENSITY | IS 2386 PART 3 (RA 2016) |
| 27 | MECHANICAL- BUILDINGS MATERIALS | FINE AGGREGATE | MOISTURE CONTENT | IS 2386 PART 3 (RA 2016) |
| 28 | MECHANICAL- BUILDINGS MATERIALS | FINE AGGREGATE | SIEVE ANALYSIS | IS 2386 PART 1 (RA 2016) |
| 29 | MECHANICAL- BUILDINGS MATERIALS | FINE AGGREGATE | SPECIFIC GRAVITY | IS 2386 PART 3 (RA 2016) |
| 30 | MECHANICAL- BUILDINGS MATERIALS | FINE AGGREGATE | WATER ABSORPTION | IS 2386 PART 3(RA 2016) |
| 31 | MECHANICAL- BUILDINGS MATERIALS | HARDENED CONCRETE (CORE) | COMPRESSIVE STRENGTH | IS 516 PART 1 (SEC 1) |
| 32 | MECHANICAL- BUILDINGS MATERIALS | HARDENED CONCRETE(CUBE) | COMPRESSIVE STRENGTH | IS 516 PART 1 (SEC 1) |
| 33 | MECHANICAL- BUILDINGS MATERIALS | PRECAST CONCRETE BLOCKS FOR PAVING | COMPRESSIVE STRENGTH | IS 15658 |
| 34 | MECHANICAL- BUILDINGS MATERIALS | PRECAST CONCRETE BLOCKS FOR PAVING | WATER ABSORPTION | IS 15658 |
| 35 | MECHANICAL- BUILDINGS MATERIALS | PULVERIZED FUEL ASH LIME BRICK | COMPRESSIVE STRENGTH | IS 3485 PART 1 (RA 2019) |
| 36 | MECHANICAL- BUILDINGS MATERIALS | PULVERIZED FUEL ASH LIME BRICK | DIMENSION (HEIGHT) | IS 12894 (RA 2017) |
| 37 | MECHANICAL- BUILDINGS MATERIALS | PULVERIZED FUEL ASH LIME BRICK | DIMENSION (LENGTH) | IS 12894 (RA 2017) |

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| 38 | MECHANICAL- BUILDINGS MATERIALS | PULVERIZED FUEL ASH LIME BRICK | DIMENSION (WIDTH) | IS 12894 (RA 2017) |
| 39 | MECHANICAL- BUILDINGS MATERIALS | PULVERIZED FUEL ASH LIME BRICK | EFFLORESCENCE | IS 3495 PART 3 (RA 2019) |
| 40 | MECHANICAL- BUILDINGS MATERIALS | PULVERIZED FUEL ASH LIME BRICK | WATER ABSORPTION | IS 3495 PART 2 (RA 2019) |
| 41 | MECHANICAL- MECHANICAL PROPERTIES OF METALS | TMT BAR | BEND TEST | IS 1599 |
| 42 | MECHANICAL- MECHANICAL PROPERTIES OF METALS | TMT BAR | ELONGATION | IS 1608 PART 1 (FORTH REVISION) |
| 43 | MECHANICAL- MECHANICAL PROPERTIES OF METALS | TMT BAR | NOMINAL MASS | IS 1786 (RA 2018) |
| 44 | MECHANICAL- MECHANICAL PROPERTIES OF METALS | TMT BAR | RE BEND TEST | IS 1786 (RA 2018) |
| 45 | MECHANICAL- MECHANICAL PROPERTIES OF METALS | TMT BAR | TENSILE STRENGTH | IS 1608 PART 1 (FOURTH REVISION) |
| 46 | MECHANICAL- MECHANICAL PROPERTIES OF METALS | TMT BAR | YIELD STRENGTH | IS 1608 PART 1 (FOURTH REVISION) |
| 47 | MECHANICAL- SOIL AND ROCK | SOIL | CBR VALUE | IS 2720 PART 16(RA2016) |
| 48 | MECHANICAL- SOIL AND ROCK | SOIL | LIQUID LIMIT | IS 2720 PART 5 (RA 2015) |
| 49 | MECHANICAL- SOIL AND ROCK | SOIL | MAX DRY DENSITY ( LIGHT COMPACTION) | IS 2720 PART 7 (RA 2016) |
| 50 | MECHANICAL- SOIL AND ROCK | SOIL | MAX DRY DENSITY (HEAVY COMPACTION) | IS 2720 PART 8 (RA 2015) |
| 51 | MECHANICAL- SOIL AND ROCK | SOIL | OPTIMUM MOISTURE CONTENT ( HEAVY COMPACTION) | IS 2720 PART 8 (RA 2015) |
| 52 | MECHANICAL- SOIL AND ROCK | SOIL | OPTIMUM MOISTURE CONTENT (LIGHT COMPACTION) | IS 2720 PART 7 (RA 2016) |
| 53 | MECHANICAL- SOIL AND ROCK | SOIL | PLASTIC LIMIT | IS 2720 PART 5 (RA 2015) |
| 54 | MECHANICAL- SOIL AND ROCK | SOIL | SIEVE ANALYSIS (4.75 mm, 2 mm, 0.425 mm, 0.075 mm) | IS 2720 PART 4 (RA 2015) |

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| 55 | MECHANICAL- SOIL AND ROCK | SOIL | SPECIFIC GRAVITY | IS 2720 PART 3 (RA 2016) |