# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** SPAN MATERIAL TESTING & CONSULTANCY SERVICES LIMITED, PLOT NO. 187, GIDC ESTATE PHASE-I, HIGHWAY ROAD, MEHSANA, GUJARAT, INDIA

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

**Certificate Number** TC-7661 **Page No** 1 of 6

**Validity** 06/08/2021 to 05/08/2023 **Last Amended on** 08/11/2021

| 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 | Autoclave Aerated Block | Compressive Strength | IS 6441 (Part-5) |
| 2 | MECHANICAL- BUILDINGS MATERIALS | Autoclave Aerated Block | Dimension (Height) | IS 2185 (Part-3) |
| 3 | MECHANICAL- BUILDINGS MATERIALS | Autoclave Aerated Block | Dimension (Length) | IS 2185 (Part-3) |
| 4 | MECHANICAL- BUILDINGS MATERIALS | Autoclave Aerated Block | Dimension (Width) | IS 2185 (Part-3) |
| 5 | MECHANICAL- BUILDINGS MATERIALS | Autoclave Aerated Block | Dry Density | IS 6441 (Part – 1) |
| 6 | MECHANICAL- BUILDINGS MATERIALS | Autoclave Aerated Block | Moisture Content | IS 6441 (Part -1) |
| 7 | MECHANICAL- BUILDINGS MATERIALS | Bitumen | Absolute Viscosity | IS 1206 |
| 8 | MECHANICAL- BUILDINGS MATERIALS | Bitumen | Ductility | IS 1208 |
| 9 | MECHANICAL- BUILDINGS MATERIALS | Bitumen | Kinematics Viscosity | IS 1206 (Part-3) |
| 10 | MECHANICAL- BUILDINGS MATERIALS | Bitumen | Loss on Heating | IS 1212 |
| 11 | MECHANICAL- BUILDINGS MATERIALS | Bitumen | Penetration | IS 1203 |
| 12 | MECHANICAL- BUILDINGS MATERIALS | Bitumen | Softening Point | IS 1205 |
| 13 | MECHANICAL- BUILDINGS MATERIALS | Bitumen | Specific gravity | IS 1202 |
| 14 | MECHANICAL- BUILDINGS MATERIALS | Bitumen | Stripping Value | IS 6241 |
| 15 | MECHANICAL- BUILDINGS MATERIALS | Bitumen Mix/ Core | Bitumen Content (Centrifuge) | ASTM D 2172 |
| 16 | MECHANICAL- BUILDINGS MATERIALS | Bitumen Mix/ Core | Density of Mix | ASTM D 2726 |
| 17 | MECHANICAL- BUILDINGS MATERIALS | Bitumen Mix/ Core | Marshal Flow | ASTM D 6927 |
| 18 | MECHANICAL- BUILDINGS MATERIALS | Bitumen Mix/ Core | Marshal Stability | ASTM D 6927 |

# SCOPE OF ACCREDITATION

**Laboratory Name :** SPAN MATERIAL TESTING & CONSULTANCY SERVICES LIMITED, PLOT NO. 187, GIDC ESTATE PHASE-I, HIGHWAY ROAD, MEHSANA, GUJARAT, INDIA

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

**Certificate Number** TC-7661 **Page No** 2 of 6

**Validity** 06/08/2021 to 05/08/2023 **Last Amended on** 08/11/2021

| 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 |
|---|---|---|---|---|
| 19 | MECHANICAL- BUILDINGS MATERIALS | Bitumen Mix/ Core | Theoretical Maximum Specific Gravity | ASTM D 2041 |
| 20 | MECHANICAL- BUILDINGS MATERIALS | Bricks | Compressive Strength | IS 3495 (Part-1) |
| 21 | MECHANICAL- BUILDINGS MATERIALS | Bricks | Dimension (Height) | IS:1077 |
| 22 | MECHANICAL- BUILDINGS MATERIALS | Bricks | Dimension (Length) | IS:1077 |
| 23 | MECHANICAL- BUILDINGS MATERIALS | Bricks | Dimension (Width) | IS:1077 |
| 24 | MECHANICAL- BUILDINGS MATERIALS | Bricks | Efflorences | IS 3495 (Part-3) |
| 25 | MECHANICAL- BUILDINGS MATERIALS | Bricks | Water Absorption | IS 3495 (Part-2) |
| 26 | MECHANICAL- BUILDINGS MATERIALS | Cement (OPC & PPC) | Compressive Strength | IS 4031 (Part-6) |
| 27 | MECHANICAL- BUILDINGS MATERIALS | Cement (OPC & PPC) | Consistency | IS 4031 (Part–4) |
| 28 | MECHANICAL- BUILDINGS MATERIALS | Cement (OPC & PPC) | Density | IS: 4031 (Part-11) |
| 29 | MECHANICAL- BUILDINGS MATERIALS | Cement (OPC & PPC) | Final Setting time | IS 4031 (Part–5) |
| 30 | MECHANICAL- BUILDINGS MATERIALS | Cement (OPC & PPC) | Fineness by Blain Air Permeability | IS 4031 (Part-2) |
| 31 | MECHANICAL- BUILDINGS MATERIALS | Cement (OPC & PPC) | Fineness by Dry Sieving | IS 4031(Part-1) |
| 32 | MECHANICAL- BUILDINGS MATERIALS | Cement (OPC & PPC) | Initial Setting time | IS 4031 (Part–5) |
| 33 | MECHANICAL- BUILDINGS MATERIALS | Cement (OPC & PPC) | Soundness Le-Chatelier Methods | IS 4031 (Part–5) |
| 34 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregate | 10% Fines Value | IS 2386 (Part – 4) |
| 35 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregate | Abrasion Value -Los Angeles | IS 2386 (Part–4) |
| 36 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregate | Bulk density | IS 2386 (Part–3) |
| 37 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregate | Crushing Value | IS 2386 (Part–4) |

# SCOPE OF ACCREDITATION

**Laboratory Name :** SPAN MATERIAL TESTING & CONSULTANCY SERVICES LIMITED, PLOT NO. 187, GIDC ESTATE PHASE-I, HIGHWAY ROAD, MEHSANA, GUJARAT, INDIA

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

**Certificate Number** TC-7661 **Page No** 3 of 6

**Validity** 06/08/2021 to 05/08/2023 **Last Amended on** 08/11/2021

| 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 |
|---|---|---|---|---|
| 38 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregate | Elongation Index | IS 2386 (Part–1) |
| 39 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregate | Flakiness Index | IS 2386 (Part–3) |
| 40 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregate | Impact Value | IS 2386 (Part–4) |
| 41 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregate | Sieve Analysis (125 mm to 4.75 mm) | IS 2386 (Part–1) |
| 42 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregate | Soundness by NA2SO4, and MGSO4 | IS 2386 (Part–5) |
| 43 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregate | Specific gravity | IS 2386 (Part–3) |
| 44 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregate | Water Absorption | IS 2386 (Part–3) |
| 45 | MECHANICAL- BUILDINGS MATERIALS | Fine Aggregate | Bulk Density | IS 2386 (Part-3) |
| 46 | MECHANICAL- BUILDINGS MATERIALS | Fine Aggregate | Material Finar than 75 micron | IS 2386 (Part–1) |
| 47 | MECHANICAL- BUILDINGS MATERIALS | Fine Aggregate | Sieve Analysis (75 Micron to 10 mm) | IS 2386 (Part–1) |
| 48 | MECHANICAL- BUILDINGS MATERIALS | Fine Aggregate | Specific gravity | IS 2386 (Part–3) |
| 49 | MECHANICAL- BUILDINGS MATERIALS | Fine Aggregate | Water Absorption | IS 2386 (Part–3) |
| 50 | MECHANICAL- BUILDINGS MATERIALS | Fly Ash | Density | IS 1727 |
| 51 | MECHANICAL- BUILDINGS MATERIALS | Fly Ash | Residue on 45 Micron | IS 1727 |
| 52 | MECHANICAL- BUILDINGS MATERIALS | Fresh Concrete | Slump Test | IS 1199 |
| 53 | MECHANICAL- BUILDINGS MATERIALS | Fresh Concrete | Weight per Cubic Meter | IS 1199 |
| 54 | MECHANICAL- BUILDINGS MATERIALS | Hardened Concrete | Compressive strength | IS 516 |
| 55 | MECHANICAL- BUILDINGS MATERIALS | Hardened Concrete | Flexural Strength | IS 516 |
| 56 | MECHANICAL- BUILDINGS MATERIALS | Paver Block | Compressive Strength | IS 15658 |

# SCOPE OF ACCREDITATION

**Laboratory Name :** SPAN MATERIAL TESTING & CONSULTANCY SERVICES LIMITED, PLOT NO. 187, GIDC ESTATE PHASE-I, HIGHWAY ROAD, MEHSANA, GUJARAT, INDIA

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

**Certificate Number** TC-7661 **Page No** 4 of 6

**Validity** 06/08/2021 to 05/08/2023 **Last Amended on** 08/11/2021

| 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 |
|---|---|---|---|---|
| 57 | MECHANICAL- BUILDINGS MATERIALS | Paver Block | Water Absorption | IS 15658 |
| 58 | MECHANICAL- BUILDINGS MATERIALS | Tiles | Dimensions (Length) | IS 13630 |
| 59 | MECHANICAL- BUILDINGS MATERIALS | Tiles | Dimensions (Thickness) | IS 13630 |
| 60 | MECHANICAL- BUILDINGS MATERIALS | Tiles | Dimensions (Width) | IS 13630 |
| 61 | MECHANICAL- BUILDINGS MATERIALS | Tiles | Water Absorption | IS 13630 (Part 2) |
| 62 | MECHANICAL- SOIL AND ROCK | Soil | California Bearing Ratio | IS 2720 (Part-16) |
| 63 | MECHANICAL- SOIL AND ROCK | Soil | Consolidation Test (aV) | IS 2720(Part-15) |
| 64 | MECHANICAL- SOIL AND ROCK | Soil | Consolidation Test (cV) | IS 2720(Part-15) |
| 65 | MECHANICAL- SOIL AND ROCK | Soil | Direct Shear Test (Angle of Friction) | IS 2720 (Part-13) |
| 66 | MECHANICAL- SOIL AND ROCK | Soil | Direct Shear Test (Cohesion) | IS 2720 (Part-13) |
| 67 | MECHANICAL- SOIL AND ROCK | Soil | Free swell index | IS 2720 (Part-40) |
| 68 | MECHANICAL- SOIL AND ROCK | Soil | Grain size Analysis | IS 2720 (Part-4) |
| 69 | MECHANICAL- SOIL AND ROCK | Soil | Heavy compaction (MDD) | IS 2720 (Part-7) |
| 70 | MECHANICAL- SOIL AND ROCK | Soil | Heavy compaction (OMC) | IS 2720 (Part-7) |
| 71 | MECHANICAL- SOIL AND ROCK | Soil | Light compaction (MDD) | IS 2720 (Part-7) |
| 72 | MECHANICAL- SOIL AND ROCK | Soil | Light compaction (OMC) | IS 2720 (Part-7) |
| 73 | MECHANICAL- SOIL AND ROCK | Soil | Liquid Limit (Casagrande) | IS 2720 (Part-5) |
| 74 | MECHANICAL- SOIL AND ROCK | Soil | Plastic Limit | IS 2720 (Part-5) |
| 75 | MECHANICAL- SOIL AND ROCK | Soil | Shrinkage Limit | IS 2720 (Part-6) |

# SCOPE OF ACCREDITATION

| | | | |
|---|---|---|---|
| **Laboratory Name :** | SPAN MATERIAL TESTING & CONSULTANCY SERVICES LIMITED, PLOT NO. 187, GIDC ESTATE PHASE-I, HIGHWAY ROAD, MEHSANA, GUJARAT, INDIA | | |
| **Accreditation Standard** | ISO/IEC 17025:2017 | | |
| **Certificate Number** | TC-7661 | **Page No** | 5 of 6 |
| **Validity** | 06/08/2021 to 05/08/2023 | **Last Amended on** | 08/11/2021 |

| 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 |
|---|---|---|---|---|
| 76 | MECHANICAL- SOIL AND ROCK | Soil | Specific gravity | IS 2720 (Part-3/Sec-1) |
| 77 | MECHANICAL- SOIL AND ROCK | Soil | Swelling Pressure | IS 2720 (Part-41) |
| 78 | MECHANICAL- SOIL AND ROCK | Soil | Water Content | IS 2720 (Part 2) |

# SCOPE OF ACCREDITATION

| | | | |
|---|---|---|---|
| **Laboratory Name :** | SPAN MATERIAL TESTING & CONSULTANCY SERVICES LIMITED, PLOT NO. 187, GIDC ESTATE PHASE-I, HIGHWAY ROAD, MEHSANA, GUJARAT, INDIA | | |
| **Accreditation Standard** | ISO/IEC 17025:2017 | | |
| **Certificate Number** | TC-7661 | **Page No** | 6 of 6 |
| **Validity** | 06/08/2021 to 05/08/2023 | **Last Amended on** | 08/11/2021 |

| 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 |
|---|---|---|---|---|
| Site Facility | | | | |
| 1 | MECHANICAL- BUILDINGS MATERIALS | Pavement (Field Test) | Deflection Measurement using Benkelman Beam Deflection Test | IRC 81 |
| 2 | MECHANICAL- SOIL AND ROCK | Soil | Dry Density of Soil by Core Cutter Method | IS 2720 (Part -29) |
| 3 | MECHANICAL- SOIL AND ROCK | Soil | Dry Density of Soil by Sand Replacement Method | IS 2720(Part-28) |
| 4 | MECHANICAL- SOIL AND ROCK | Soil | Field Moisture Content | IS 2720 (Part -2) |
| 5 | MECHANICAL- SOIL AND ROCK | Soil | Standard Penetration Test | IS 2131 |