# SCOPE OF ACCREDITATION

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|---|---|
| **Laboratory Name :** | BUREAU VERITAS INDIA PVT LTD., CONSTRUCTION SERVICES LABORATORY, A-8, SECTOR-6, NOIDA, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA |
| **Accreditation Standard** | ISO/IEC 17025:2017 |
| **Certificate Number** | TC-5624 |
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| **Validity** | 01/06/2022 to 31/05/2024 |
| **Last Amended on** | 23/06/2022 |

| 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 | CHEMICAL- BUILDING MATERIAL | Bentonite | pH Value | IS 6186 |
| 2 | CHEMICAL- BUILDING MATERIAL | Bitumen | Matter soluble in trichloroethylene | IS 1201 to IS 1220 |
| 3 | CHEMICAL- BUILDING MATERIAL | Bitumen | Mineral matter (ash content) | IS 1201 to IS 1220 |
| 4 | CHEMICAL- BUILDING MATERIAL | Bitumen Emulsion | Water content | IS 1211 |
| 5 | CHEMICAL- BUILDING MATERIAL | Cement | Alumina | IS 4032 (Cl 4.6.1) |
| 6 | CHEMICAL- BUILDING MATERIAL | Cement | Chloride | IS 4032 |
| 7 | CHEMICAL- BUILDING MATERIAL | Cement | Insoluble residue | IS 4032 |
| 8 | CHEMICAL- BUILDING MATERIAL | Cement | Iron Oxide | IS 4032 (Cl 4.5.2) |
| 9 | CHEMICAL- BUILDING MATERIAL | Cement | Lime (CaO) | IS 4032 ( Cl 4.7.2) |
| 10 | CHEMICAL- BUILDING MATERIAL | Cement | Loss on ignition | IS 4032 |
| 11 | CHEMICAL- BUILDING MATERIAL | Cement | Magnesium oxide | IS 4032 (Cl 4.8.2) |
| 12 | CHEMICAL- BUILDING MATERIAL | Cement | Manganese | IS 4032 |
| 13 | CHEMICAL- BUILDING MATERIAL | Cement | Potassium oxide | MS-13 |
| 14 | CHEMICAL- BUILDING MATERIAL | Cement | Silica | IS 4032 |
| 15 | CHEMICAL- BUILDING MATERIAL | Cement | Sodium oxide | MS-13 |
| 16 | CHEMICAL- BUILDING MATERIAL | Cement | Sulphuric Anhydride | IS 4032 |
| 17 | CHEMICAL- BUILDING MATERIAL | Cement (PSC) | Sulphide Sulphur(S) | IS 4032 |
| 18 | CHEMICAL- BUILDING MATERIAL | Coarse & Fine Aggregate | Reduction in alkalinity | IS;2386(Part 7) |

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|---|---|---|---|---|
| 19 | CHEMICAL- BUILDING MATERIAL | Coarse & Fine aggregate | Water soluble Chloride | EN 1744-1 |
| 20 | CHEMICAL- BUILDING MATERIAL | Coarse & Fine Aggregates | Dissolved Silica | IS:2386(Part-7) |
| 21 | CHEMICAL- BUILDING MATERIAL | Coarse & Fine Aggregates | Total Acid soluble Chloride | EN 1744-1 |
| 22 | CHEMICAL- BUILDING MATERIAL | Coarse & Fine aggregates | Total Acid soluble Sulphate | EN 1744-1 |
| 23 | CHEMICAL- BUILDING MATERIAL | Coarse & Fine Aggregates | Water soluble sulphate | EN 1744-1 |
| 24 | CHEMICAL- BUILDING MATERIAL | Concrete | Water Soluble Chloride | IS14959(Part 1 & 2) |
| 25 | CHEMICAL- BUILDING MATERIAL | Concrete and Mortar Fresh | Total Acid Soluble chloride | IS 14959 (Part 1) |
| 26 | CHEMICAL- BUILDING MATERIAL | Concrete Admixture | Ash Content | IS 9103 |
| 27 | CHEMICAL- BUILDING MATERIAL | Concrete Admixture | Chloride Content | IS 6925 |
| 28 | CHEMICAL- BUILDING MATERIAL | Concrete Admixture | Dry Material content | IS 9103 |
| 29 | CHEMICAL- BUILDING MATERIAL | Concrete Admixture | pH Value | IS 9103 |
| 30 | CHEMICAL- BUILDING MATERIAL | Concrete Admixture | Relative Density | IS 9103 |
| 31 | CHEMICAL- BUILDING MATERIAL | Concrete and Mortar Hardnend | Total acid soluble chloride | IS 14959 (Part 2) |
| 32 | CHEMICAL- BUILDING MATERIAL | Concrete and Mortar Hardnend | Total Acid Soluble Sulfate | BS 1881(Part 124) |
| 33 | CHEMICAL- BUILDING MATERIAL | Glazed/Vitrified Tiles | Chemical Resistance | IS 13630 (Part 8) |
| 34 | CHEMICAL- BUILDING MATERIAL | Glazes /Vitrified Tiles | Chemical Resistance | IS:15622 |
| 35 | CHEMICAL- BUILDING MATERIAL | Gypsum Building plaster | Calcium oxide | IS 1288 |
| 36 | CHEMICAL- BUILDING MATERIAL | Gypsum Building plaster | Free lime | IS; 2547(Part 1) |
| 37 | CHEMICAL- BUILDING MATERIAL | Gypsum Building plaster | Loss on ignition | IS 2547 (Part 1) |

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|---|---|---|---|---|
| 38 | CHEMICAL- BUILDING MATERIAL | Gypsum Building plaster | Magnesium oxide | IS 2547 (Part 1 & 2) |
| 39 | CHEMICAL- BUILDING MATERIAL | Gypsum Building plaster | Sodium oxide | IS 2547 (Part 1 & 2) |
| 40 | CHEMICAL- BUILDING MATERIAL | Pulverized Fuel Ash | Alumina | IS 1727 |
| 41 | CHEMICAL- BUILDING MATERIAL | Pulverized Fuel Ash | Calcium oxide | IS 1727 |
| 42 | CHEMICAL- BUILDING MATERIAL | Pulverized Fuel Ash | Chloride | IS 4032 |
| 43 | CHEMICAL- BUILDING MATERIAL | Pulverized Fuel Ash | Iron oxide | IS 1727 |
| 44 | CHEMICAL- BUILDING MATERIAL | Pulverized Fuel Ash | Loss on ignition | IS 1727 |
| 45 | CHEMICAL- BUILDING MATERIAL | Pulverized Fuel Ash | Magnesium oxide | IS 1727 |
| 46 | CHEMICAL- BUILDING MATERIAL | Pulverized Fuel Ash | Silica | IS 1727 |
| 47 | CHEMICAL- BUILDING MATERIAL | Pulverized Fuel Ash | Sulphate | IS 1727 |
| 48 | CHEMICAL- BUILDING MATERIAL | Silica Fumes (Micro Silica) | Potassium oxide | IS:4032 |
| 49 | CHEMICAL- BUILDING MATERIAL | Silica fumes(Micro Silica) | Loss on ignition | IS 1727 |
| 50 | CHEMICAL- BUILDING MATERIAL | Silica fumes(Micro Silica) | Moisture Content | IS 15388 |
| 51 | CHEMICAL- BUILDING MATERIAL | Silica fumes(Micro Silica) | Potassium Oxide | IS 15388 |
| 52 | CHEMICAL- BUILDING MATERIAL | Silica fumes(Micro Silica) | Silica | IS:1727 |
| 53 | CHEMICAL- BUILDING MATERIAL | Silica fumes(Micro Silica) | Sodium Oxide Content | IS 15388 |
| 54 | CHEMICAL- BUILDING MATERIAL | Ultrafine / Granulated Slag | Alumina | IS 4032 |
| 55 | CHEMICAL- BUILDING MATERIAL | Ultrafine / Granulated Slag | Calcium Oxide | IS 4032 |
| 56 | CHEMICAL- BUILDING MATERIAL | Ultrafine / Granulated Slag | Chloride | IS 4032 |

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|---|---|---|---|---|
| 57 | CHEMICAL- BUILDING MATERIAL | Ultrafine / Granulated Slag | Insoluble residue | IS 4032 |
| 58 | CHEMICAL- BUILDING MATERIAL | Ultrafine / Granulated Slag | Iron oxide | IS 4032 |
| 59 | CHEMICAL- BUILDING MATERIAL | Ultrafine / Granulated Slag | Loss on ignition | IS 4032 |
| 60 | CHEMICAL- BUILDING MATERIAL | Ultrafine / Granulated Slag | Magnesium oxide | IS 4032 |
| 61 | CHEMICAL- BUILDING MATERIAL | Ultrafine / Granulated Slag | Manganese Oxide | IS 4032 |
| 62 | CHEMICAL- BUILDING MATERIAL | Ultrafine / Granulated Slag | Silica | IS 4032 |
| 63 | CHEMICAL- BUILDING MATERIAL | Ultrafine / Granulated Slag | Sulphate | IS 4032 |
| 64 | CHEMICAL- BUILDING MATERIAL | Ultrafine / Granulated Slag | Sulphide sulphur | IS 4032 |
| 65 | CHEMICAL- BUILDING MATERIAL | Un glazed / Vitrified Tile | Chemical Resistance | IS 13630 ( Part 7) |
| 66 | CHEMICAL- BUILDING MATERIAL | Un-glazed/Glazed & Vitrified Tiles | Chemical Resistance | IS:15622 |
| 67 | CHEMICAL- BUILDING MATERIAL | Water proofing compounds | Chloride content | IS 2645 |
| 68 | CHEMICAL- BUILDING MATERIAL | Water proofing compounds | Chloride content | IS: 6925 |
| 69 | CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS | Zinc coated Iron & Steel articles | Mass of Zinc coating | IS 6745 No of Amendments 5 |
| 70 | CHEMICAL- METALS & ALLOYS | Carbon steel/Steel tubes/Hollow Steel sections & Structural steel | Carbon | IS 228 (P 1) No of Amendments 1 |
| 71 | CHEMICAL- METALS & ALLOYS | Carbon steel/Steel tubes/Hollow Steel sections & Structural steel | Chromium | IS 228(Part 6) |
| 72 | CHEMICAL- METALS & ALLOYS | Carbon steel/Steel tubes/Hollow Steel sections & Structural steel | Manganese | IS:228(P 2) |
| 73 | CHEMICAL- METALS & ALLOYS | Carbon steel/Steel tubes/Hollow Steel sections & Structural steel | Phosphorous | IS 228 (P 3) |
| 74 | CHEMICAL- METALS & ALLOYS | Carbon steel/Steel tubes/Hollow Steel sections & Structural steel | Silicon | IS 228 (P 8) |

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|---|---|---|---|---|
| 75 | CHEMICAL- METALS & ALLOYS | Carbon steel/Steel tubes/Hollow Steel sections & Structural steel | Sulphur | IS 228 (P 9) |
| 76 | CHEMICAL- METALS & ALLOYS | Prestressed Strand Wire | Phosphorous | IS 228 (Part 3) |
| 77 | CHEMICAL- METALS & ALLOYS | Prestressed Strand Wire | Sulphur | IS 228 (Part 9) |
| 78 | CHEMICAL- METALS & ALLOYS | Reinforcement Steel,Mild Steel, Structural Steel, Carbon Steel, Alloy Steel | Aluminium | ASTM E 415 |
| 79 | CHEMICAL- METALS & ALLOYS | Reinforcement Steel,Mild Steel, Structural Steel, Carbon Steel, Alloy Steel | Carbon | ASTM E 415 |
| 80 | CHEMICAL- METALS & ALLOYS | Reinforcement Steel,Mild Steel, Structural Steel, Carbon Steel, Alloy Steel | Chromium | ASTM E 415 |
| 81 | CHEMICAL- METALS & ALLOYS | Reinforcement Steel,Mild Steel, Structural Steel, Carbon Steel, Alloy Steel | Cupper | ASTM E 415 |
| 82 | CHEMICAL- METALS & ALLOYS | Reinforcement Steel,Mild Steel, Structural Steel, Carbon Steel, Alloy Steel | Manganese | ASTM E 415 |
| 83 | CHEMICAL- METALS & ALLOYS | Reinforcement Steel,Mild Steel, Structural Steel, Carbon Steel, Alloy Steel | Molybdenum | ASTM E 415 |
| 84 | CHEMICAL- METALS & ALLOYS | Reinforcement Steel,Mild Steel, Structural Steel, Carbon Steel, Alloy Steel | Nickle | ASTM E 415 |
| 85 | CHEMICAL- METALS & ALLOYS | Reinforcement Steel,Mild Steel, Structural Steel, Carbon Steel, Alloy Steel | Niobium | ASTM E 415 |
| 86 | CHEMICAL- METALS & ALLOYS | Reinforcement Steel,Mild Steel, Structural Steel, Carbon Steel, Alloy Steel | Phosphorus | ASTM E 415 |
| 87 | CHEMICAL- METALS & ALLOYS | Reinforcement Steel,Mild Steel, Structural Steel, Carbon Steel, Alloy Steel | Silicon | ASTM E 415 |
| 88 | CHEMICAL- METALS & ALLOYS | Reinforcement Steel,Mild Steel, Structural Steel, Carbon Steel, Alloy Steel | Sulphur | ASTM E 415 |
| 89 | CHEMICAL- METALS & ALLOYS | Reinforcement Steel,Mild Steel, Structural Steel, Carbon Steel, Alloy Steel | Titanium | ASTM E 415 |
| 90 | CHEMICAL- METALS & ALLOYS | Reinforcement Steel,Mild Steel, Structural Steel, Carbon Steel, Alloy Steel | Vanadium | ASTM E 415 |
| 91 | CHEMICAL- METALS & ALLOYS | Stainless steel | Carbon | IS:228 (Part 1) No of Amendment 1 |
| 92 | CHEMICAL- METALS & ALLOYS | Stainless steel | Chromium | IS 228 (P 6) |
| 93 | CHEMICAL- METALS & ALLOYS | Stainless steel | Manganese | IS 228(P 2) |

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|---|---|---|---|---|
| 94 | CHEMICAL- METALS & ALLOYS | Stainless steel | Nickel | IS 228 (P 5) |
| 95 | CHEMICAL- METALS & ALLOYS | Stainless steel | Phosphorous | IS 228 (P 3) |
| 96 | CHEMICAL- METALS & ALLOYS | Stainless steel | Silicon | IS 228 (P 8) |
| 97 | CHEMICAL- METALS & ALLOYS | Stainless steel | Sulphur | IS 228(P 9) |
| 98 | CHEMICAL- METALS & ALLOYS | Stainless Steel Products | Carbon | ASTM E 1086 |
| 99 | CHEMICAL- METALS & ALLOYS | Stainless Steel Products | Chromium | ASTM E 1086 |
| 100 | CHEMICAL- METALS & ALLOYS | Stainless Steel Products | Copper | ASTM E 1086 |
| 101 | CHEMICAL- METALS & ALLOYS | Stainless Steel Products | Manganese | ASTM E 1086 |
| 102 | CHEMICAL- METALS & ALLOYS | Stainless Steel Products | Molybdenum | ASTM E 1086 |
| 103 | CHEMICAL- METALS & ALLOYS | Stainless Steel Products | Nickle | ASTM E 1086 |
| 104 | CHEMICAL- METALS & ALLOYS | Stainless Steel Products | Phosphorus | ASTM E 1086 |
| 105 | CHEMICAL- METALS & ALLOYS | Stainless Steel Products | Silicon | ASTM E 1086 |
| 106 | CHEMICAL- METALS & ALLOYS | Stainless Steel Products | Sulphur | ASTM E 1086 |
| 107 | CHEMICAL- WATER | Construction water | Acidity | IS: 3025 (Part 22) |
| 108 | CHEMICAL- WATER | Construction water | Alkalinity | IS: 3025 (Part 23) No of Amendments 2 |
| 109 | CHEMICAL- WATER | Construction water | Chloride | IS: 3025 (Part 32) |
| 110 | CHEMICAL- WATER | Construction water | Inorganic Solids | IS: 3025 (Part 18) |
| 111 | CHEMICAL- WATER | Construction water | Organic solids | IS: 3025 (Part 18) |
| 112 | CHEMICAL- WATER | Construction water | pH Value | IS: 3025 (Part 11) |
| 113 | CHEMICAL- WATER | Construction water | Sulphate | IS: 3025 (Part 24) |
| 114 | CHEMICAL- WATER | Construction water | Suspended matter(TSS) | IS: 3025 (Part 17) |

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|---|---|---|---|---|
| 115 | MECHANICAL- BUILDINGS MATERIALS | AAC Block | Compressive strength | IS 6441 (Part 5) |
| 116 | MECHANICAL- BUILDINGS MATERIALS | AAC Block | Drying Shrinkage | IS 6441 (Part 1) |
| 117 | MECHANICAL- BUILDINGS MATERIALS | AAC Blocks | Block Density | IS 6441 (Part 1) |
| 118 | MECHANICAL- BUILDINGS MATERIALS | AAC Blocks | Dimension (Length/Width/Thickness) | IS 2185 (Part 3) |
| 119 | MECHANICAL- BUILDINGS MATERIALS | Bitumen Emulsion | Residue on 600 micron sieve | IS 8887 |
| 120 | MECHANICAL- BUILDINGS MATERIALS | Bitumen Emulsion | Saybolt Viscosity | IS 8887 |
| 121 | MECHANICAL- BUILDINGS MATERIALS | Bitumen Emulsion | Storage Stability | IS 8887 |
| 122 | MECHANICAL- BUILDINGS MATERIALS | Bricks (Building bricks/Fly ash bricks/Fly ash clay bricks) | Dimension (Length,Width & Thickness) | IS 1077 |
| 123 | MECHANICAL- BUILDINGS MATERIALS | Bricks (Building bricks/Fly ash bricks/Fly ash clay bricks) | Dimensions (Length,Width & Height) | IS 12894 |
| 124 | MECHANICAL- BUILDINGS MATERIALS | Bricks (Building bricks/Fly ash bricks/Fly ash clay bricks) | Dimensions (Length,Width & Height) | IS 13757 |
| 125 | MECHANICAL- BUILDINGS MATERIALS | Bricks (Building bricks/Fly ash bricks/Fly ash clay bricks) | Efforescence | IS 3495 (Part 3) |
| 126 | MECHANICAL- BUILDINGS MATERIALS | Bricks (Building bricks/Fly Ash Bricks/Fly Ash Clay bricks) | Water Absorption | IS 3495 (part 2) |
| 127 | MECHANICAL- BUILDINGS MATERIALS | Bricks (Building bricks/Fly ash bricks/Fly ash /clay bricks) | Comprssive Strength | IS 3495 (Part 1) |
| 128 | MECHANICAL- BUILDINGS MATERIALS | Cement (OPC/PPC/PSC) | Blaine's Fineness | IS 4031 (Part 2) |
| 129 | MECHANICAL- BUILDINGS MATERIALS | Cement (OPC/PPC/PSC) | Compressive Strength | IS 4031 (Part 6) |
| 130 | MECHANICAL- BUILDINGS MATERIALS | Cement (OPC/PPC/PSC) | Consistency | IS 4031 (Part 4) |
| 131 | MECHANICAL- BUILDINGS MATERIALS | Cement (OPC/PPC/PSC) | Drying Shrinkage | IS 4031 (Part 10) |
| 132 | MECHANICAL- BUILDINGS MATERIALS | Cement (OPC/PPC/PSC) | Final Setting Time | IS 4031 |
| 133 | MECHANICAL- BUILDINGS MATERIALS | Cement (OPC/PPC/PSC) | Fineness (by dry sieving thru 90 micron IS sieve) | IS 4031 (Part 1) |

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| 134 | MECHANICAL- BUILDINGS MATERIALS | Cement (OPC/PPC/PSC) | Initial Setting Time | IS 4031 (Part 5) |
| 135 | MECHANICAL- BUILDINGS MATERIALS | Cement (OPC/PPC/PSC) | Soundness (by Le-Chatelier method) | IS 4031 (Part 3) |
| 136 | MECHANICAL- BUILDINGS MATERIALS | Cement (OPC/PPC/PSC) | Soundness (By Autoclave method) | IS 4031 (Part 3) |
| 137 | MECHANICAL- BUILDINGS MATERIALS | Cement (OPC/PPC/PSC) | Specific Gravity | IS 4031 (Part 11) |
| 138 | MECHANICAL- BUILDINGS MATERIALS | Ceramic Tiles | Water absorption | IS 13630 (Part 2) |
| 139 | MECHANICAL- BUILDINGS MATERIALS | Ceramic Tiles | Bulk Density | IS 13630 (Part 2) |
| 140 | MECHANICAL- BUILDINGS MATERIALS | Ceramic Tiles | Crazing Resistance | IS 13630 (Part 9) |
| 141 | MECHANICAL- BUILDINGS MATERIALS | Ceramic Tiles | Dimensions (Length, Width and Thickness) | IS 13630 (Part 1) |
| 142 | MECHANICAL- BUILDINGS MATERIALS | Ceramic Tiles | Hardness by Moh's scale | IS 13630 (Part 13) |
| 143 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregate | Aggregate crushing value | IS 2386 (Part 4) |
| 144 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregate | 10% Fine value | IS 2386 (Part 4) |
| 145 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregate | Aggregate Impact Value | IS 2386 (Part 4) |
| 146 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregate | Bulk Density (Loose & Rodded) | IS 2386 (Part 3) |
| 147 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregate | Deleterious material Clay lumps & Shale | IS 2386 (Part 2) |
| 148 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregate | Deleterious material Coal & lignite Light and soft fregments | IS 2386 (Part 2) |
| 149 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregate | Deleterious material Material finer than 75 micron | IS 2386 (Part 1) |
| 150 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregate | Elongation Index | IS 2386 (Part 1) |
| 151 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregate | Flakiness index | IS 2386 (Part 1) |
| 152 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregate | Los Angele's abrasion value | IS 2386 (part 4) |

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| 153 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregate | Sieve analysis | IS 2386 (Part 1) |
| 154 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregate | Soundness | IS 2386 (Part 5) |
| 155 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregate | Specific Gravity | IS 2386 (Part 3) |
| 156 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregate | Water Absorption | IS 2386 (Part 3) |
| 157 | MECHANICAL- BUILDINGS MATERIALS | Concrete Admixture | Bleeding (% increase over control sample) | IS 9103 |
| 158 | MECHANICAL- BUILDINGS MATERIALS | Concrete Admixture | Compressive strength (% of control Sample) | IS 516 (Part 1) |
| 159 | MECHANICAL- BUILDINGS MATERIALS | Concrete Admixture | Flexural Strength (% of control sample) | IS 516 (Part 1) |
| 160 | MECHANICAL- BUILDINGS MATERIALS | Concrete Admixture | Flow | IS 9103 |
| 161 | MECHANICAL- BUILDINGS MATERIALS | Concrete Admixture | Length change (% increase over control sample) | IS 516 (Part 6) |
| 162 | MECHANICAL- BUILDINGS MATERIALS | Concrete Admixture | Loss of workability ( Compare with Controlled sample) | IS 1199 (Part 2) |
| 163 | MECHANICAL- BUILDINGS MATERIALS | Concrete Admixture | Slump | IS 1199 (Part 2) |
| 164 | MECHANICAL- BUILDINGS MATERIALS | Concrete Admixture | Time of final setting (deviation from control sample) | IS 1199 (Part 7) |
| 165 | MECHANICAL- BUILDINGS MATERIALS | Concrete Admixture | Time of Initial setting (deviation from control sample) | IS 1199 (Part 7) |
| 166 | MECHANICAL- BUILDINGS MATERIALS | Concrete Admixture | Water Content Over Control sample | IS 9103 |
| 167 | MECHANICAL- BUILDINGS MATERIALS | Concrete Admixtures | Air content over control sample | IS 1199 (Part 4) |
| 168 | MECHANICAL- BUILDINGS MATERIALS | Concrete Blocks (Hollow/Solid) | Block Density | IS 2185 (Part 1) |
| 169 | MECHANICAL- BUILDINGS MATERIALS | Concrete Blocks (Hollow/Solid) | Compressive strength | IS 2185 (Part 1) |
| 170 | MECHANICAL- BUILDINGS MATERIALS | Concrete Blocks (Hollow/Solids) | Water Absorption | IS 2185 (Part 1) |
| 171 | MECHANICAL- BUILDINGS MATERIALS | Concrete Core/Concrete Cube/ Concrete Cylinders | Compressive Strength | IS 516 (Part 1) Sec 1 |

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**Laboratory Name :** BUREAU VERITAS INDIA PVT LTD., CONSTRUCTION SERVICES LABORATORY, A-8, SECTOR-6, NOIDA, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA

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

**Certificate Number** TC-5624 **Page No** 10 of 16

**Validity** 01/06/2022 to 31/05/2024 **Last Amended on** 23/06/2022

| 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 |
|---|---|---|---|---|
| 172 | MECHANICAL- BUILDINGS MATERIALS | Concrete Core/Concrete Cube/ Concrete Cylinders | Density | IS 516 (Part 2 /Sec 1) |
| 173 | MECHANICAL- BUILDINGS MATERIALS | Concrete Core/Concrete Cube/ Concrete Cylinders | Split tensile strength | IS 516 (Part 11/Sec 1) |
| 174 | MECHANICAL- BUILDINGS MATERIALS | Concrete Core/Concrete Cube/ Concrete Cylinders | Water Permeability | IS 516 (Part 2/Sec 1) |
| 175 | MECHANICAL- BUILDINGS MATERIALS | Fine aggregate | Bulk Density (Loose & Rodded) | IS 2386 (Part 3) |
| 176 | MECHANICAL- BUILDINGS MATERIALS | Fine Aggregate | Bulking of sand | IS 2386 (Part 1) |
| 177 | MECHANICAL- BUILDINGS MATERIALS | Fine aggregate | Deleterious material Clay lumps & Shale | IS 2386 (Part 2) |
| 178 | MECHANICAL- BUILDINGS MATERIALS | Fine aggregate | Deleterious material Coal & lignite Light and soft fragments | IS 2386 (Part 2) |
| 179 | MECHANICAL- BUILDINGS MATERIALS | Fine aggregate | Deleterious material Material finer than 75 micron | IS 2386 (Part 1) |
| 180 | MECHANICAL- BUILDINGS MATERIALS | Fine Aggregate | Organic impurities | IS 2386 (Part 2) |
| 181 | MECHANICAL- BUILDINGS MATERIALS | Fine aggregate | Sieve analysis | IS 2386 (Part 1) |
| 182 | MECHANICAL- BUILDINGS MATERIALS | Fine aggregate | Soundness | IS 2386 (Part 5) |
| 183 | MECHANICAL- BUILDINGS MATERIALS | Fine aggregate | Specific Gravity | IS 2386 (Part 3) |
| 184 | MECHANICAL- BUILDINGS MATERIALS | Fine aggregate | Water Absorption | IS 2386 (Part 3) |
| 185 | MECHANICAL- BUILDINGS MATERIALS | Granulated Slag/GGBFS | Fineness (Specific surface) | IS 4031(Part 2) |
| 186 | MECHANICAL- BUILDINGS MATERIALS | Granulated Slag/GGBFS | Slag activity index | IS 16715 |
| 187 | MECHANICAL- BUILDINGS MATERIALS | Granulated Slag/GGBFS | Specific Gravity | IS 1727 |
| 188 | MECHANICAL- BUILDINGS MATERIALS | Grout | Compressive strength | ASTM C 109 |
| 189 | MECHANICAL- BUILDINGS MATERIALS | Grout | Expansion | ASTM C 940 |
| 190 | MECHANICAL- BUILDINGS MATERIALS | Grout | Flow | ASTM C 1437 |

# SCOPE OF ACCREDITATION

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|---|---|---|---|
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|---|---|---|---|---|
| 191 | MECHANICAL- BUILDINGS MATERIALS | Marble /Granite &Stone (Blocks /Slabs & Tiles) | Apparent Porosity | IS 1124 |
| 192 | MECHANICAL- BUILDINGS MATERIALS | Marble /Granite &Stone (Blocks /Slabs & Tiles) | Compressive strength | IS 1121(Part 1) |
| 193 | MECHANICAL- BUILDINGS MATERIALS | Marble /Granite &Stone (Blocks /Slabs & Tiles) | Hardness by Moh's Scale | IS 13630 (Part 13) |
| 194 | MECHANICAL- BUILDINGS MATERIALS | Marble /Granite &Stone (Blocks /Slabs & Tiles) | Specific Gravity | IS 1122 |
| 195 | MECHANICAL- BUILDINGS MATERIALS | Marble /Granite &Stone (Blocks /Slabs & Tiles) | Water absorption | IS 1124 |
| 196 | MECHANICAL- BUILDINGS MATERIALS | Micro silica (Silica fumes) | Fineness thru 45 micron Sieve (by wet sieving) | IS 1727 |
| 197 | MECHANICAL- BUILDINGS MATERIALS | Micro Silica (Silica fumes) | Specific Gravity | IS 1727 |
| 198 | MECHANICAL- BUILDINGS MATERIALS | Micro Silica(Silica fumes) | Compressive strength % of Control Sample | IS 1727 |
| 199 | MECHANICAL- BUILDINGS MATERIALS | Paver Block | Abrasion Value | IS 15658 (Annexure E) |
| 200 | MECHANICAL- BUILDINGS MATERIALS | Paver Block | Compressive Strength | IS 15658 (Annexure D) |
| 201 | MECHANICAL- BUILDINGS MATERIALS | Paver Block | Dimensions (Length ,Width & thickness) | IS 15658 (Annexure B) |
| 202 | MECHANICAL- BUILDINGS MATERIALS | Paver Block | Flexural Strength | IS 15658 (Annexure G) |
| 203 | MECHANICAL- BUILDINGS MATERIALS | Paver Block | Split Tensile Strength | IS 15658 (Annexure F) |
| 204 | MECHANICAL- BUILDINGS MATERIALS | Paver Blocks | Water absorption | IS 15658 (Annex. C) |
| 205 | MECHANICAL- BUILDINGS MATERIALS | Paving Bitumen/PMB/ Tar AND Bituminous Material | Absolute Viscosity at 60 degree centigrade | IS 1206 (Part 2) |
| 206 | MECHANICAL- BUILDINGS MATERIALS | Paving Bitumen/PMB/ Tar AND Bituminous Material | Ductility | IS 1208 |
| 207 | MECHANICAL- BUILDINGS MATERIALS | Paving Bitumen/PMB/ Tar AND Bituminous Material | Elastic Recovery | IS 15462 |
| 208 | MECHANICAL- BUILDINGS MATERIALS | Paving Bitumen/PMB/ Tar AND Bituminous Material | Fire Point (Cleveland open cup) | IS 1209 |
| 209 | MECHANICAL- BUILDINGS MATERIALS | Paving Bitumen/PMB/ Tar AND Bituminous Material | Flash Point (Cleveland open cup) | IS 1209 |

# SCOPE OF ACCREDITATION

**Laboratory Name :** BUREAU VERITAS INDIA PVT LTD., CONSTRUCTION SERVICES LABORATORY, A-8, SECTOR-6, NOIDA, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA

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|---|---|---|---|---|
| 210 | MECHANICAL- BUILDINGS MATERIALS | Paving Bitumen/PMB/ Tar AND Bituminous Material | Kinematic Viscosity at 135 degree centigrade | IS 1206 (Part 3) |
| 211 | MECHANICAL- BUILDINGS MATERIALS | Paving Bitumen/PMB/ Tar AND Bituminous Material | Loss on Heating | IS 1212 |
| 212 | MECHANICAL- BUILDINGS MATERIALS | Paving Bitumen/PMB/ Tar AND Bituminous Material | Penetration | IS 1203 |
| 213 | MECHANICAL- BUILDINGS MATERIALS | Paving Bitumen/PMB/ Tar AND Bituminous Material | Softening Point | IS 1205 |
| 214 | MECHANICAL- BUILDINGS MATERIALS | Paving Bitumen/PMB/ Tar AND Bituminous Material | Specific Gravity | IS 1202 |
| 215 | MECHANICAL- BUILDINGS MATERIALS | Pulverized fuel ash | Blaine's Fineness | IS 1727 |
| 216 | MECHANICAL- BUILDINGS MATERIALS | Pulverized fuel ash | Comparative Compressive strength (at 28 days) % Over Control sample | IS 1727 |
| 217 | MECHANICAL- BUILDINGS MATERIALS | Pulverized fuel ash | Lime Reactivity (Av. Compresive Strength) | IS 1727 |
| 218 | MECHANICAL- BUILDINGS MATERIALS | Pulverized fuel ash | Particle retained on 45 microns sieves (Wet Sieving) | IS 1727 |
| 219 | MECHANICAL- BUILDINGS MATERIALS | Pulverized fuel ash | Soundness (By Autoclave method) | IS 1727 |
| 220 | MECHANICAL- BUILDINGS MATERIALS | Pulverized fuel ash | Specific Gravity | IS 1727 |
| 221 | MECHANICAL- MECHANICAL PROPERTIES OF METALS | Deformed Steel bar for reinforcement | 0.2% Proof Stress | ASTM A 370 |
| 222 | MECHANICAL- MECHANICAL PROPERTIES OF METALS | Deformed steel bar for reinforcement | 0.2% proof stress | IS1608 (Part 1) |
| 223 | MECHANICAL- MECHANICAL PROPERTIES OF METALS | Deformed steel bar for reinforcement | Bend Test | IS 1599 |
| 224 | MECHANICAL- MECHANICAL PROPERTIES OF METALS | Deformed Steel bar for reinforcement | Elongation | ASTM A 370 |
| 225 | MECHANICAL- MECHANICAL PROPERTIES OF METALS | Deformed Steel bar for reinforcement | Elongation | IS 1608 (Part 1) |

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|---|---|---|---|---|
| 226 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Deformed steel bar for reinforcement | Tensile strength | ASTM A 370 |
| 227 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Deformed steel bar for reinforcement | Tensile Strength | IS 1608 (Part 1) |
| 228 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Deformed Steel bar for reinforcement | Yield stress | ASTM A 370 |
| 229 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Deformed steel bar for reinforcement | Yield stress | IS 1608(Part 1) |
| 230 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Deformed Steel bar for reinforcement | Mass in Kg/meter | IS 1786 |
| 231 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Deformed steel bars for reinforcement | Re-bend Test | IS 1786 |
| 232 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous & Non-Ferrous Alloy coated materials | Coating Thickness (By digital coating thickness gauge) | IS 3203 (Cl 4) |
| 233 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | GI Pipe/MS Pipe | Mass in kg per meter | IS 1239 (Part 1) |
| 234 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Hollow Steel Section | Weight per meter | IS 4923 |
| 235 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Hot rolled structural steel | Tensile strength | ASTM A 370 |
| 236 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Hot rolled structural steel | Tensile Strength | IS 1608(Part 1) |
| 237 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Hot rolled structural steel | Yield stress | IS 1608(Part 1) |
| 238 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Hot rolled steel section structural steel | Elongation | ASTM (A 370) |
| 239 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Hot rolled steel section structural steel | Mass | IS 808 |

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|---|---|---|---|---|
| 240 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Hot rolled steel section structural steel | Yield stress | ASTM A 370 |
| 241 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Metallic material | 0.2% Proof stress | ASME BPVC Sec IX (SA370) |
| 242 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Metallic material | Bend test | ASME BPVC Sec IX |
| 243 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Metallic material | Elongation | ASME BPVC Sec IX |
| 244 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Metallic material | Tensile strength | ASME BPVC Sec IX |
| 245 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Metallic material | Yield stress | ASME BPVC Sec IX |
| 246 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Mild steel tube /GI tubes/Hollow Steel Section | Elongation | IS 1608 (Part 1) |
| 247 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Mild Steel Tubes/G I Tubes | Flattening Test | IS 2328 |
| 248 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Mild steel tubes/GI tubes | Weight per meter | IS 1161 |
| 249 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Mild steel Tubes/GI Tubes/Hollow Steel Section | Ultimate Tensile strength | ASTM (A 370) |
| 250 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | MS Pipe/ GI Pipe/Hollow Steel Section | Ultimate tensile strength | IS 1608 (Part 1) |
| 251 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | MS Pipe/GI Pipe/Hollow Steel Section | Elongation | ASTM (A370) |
| 252 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | MS Pipe/GI Pipe/Hollow Steel Section | Yield stress | ASTM A 370 |
| 253 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | MS Pipe/GI Pipe/Hollow Steel Section | Yield stress | IS 1608 (Part 1) |

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|---|---|---|---|---|
| 254 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Pre-stressed Strand wire | 0.2% Proof load Test | IS 1608 (Part 1) |
| 255 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Pre-stressed Strand wire | Breaking strength | IS 1608 (Part 1) |
| 256 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Pre-Stressed Strand Wire | Mass of Strand | IS 14268 |
| 257 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Pre-Stressed Strand Wire | Modulus of Elasticity | IS 1608 (Part 1) |
| 258 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Reinforcement couplers for mechanical splice of bars | Slip Test | IS 16172 |
| 259 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Reinforcement couplers for mechanical splices of bars | Location of failure | IS 16172 |
| 260 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Reinforcement of Couplers for mechanical splices of Bars | Tensile test | IS 1608 (Part 1) IS 16172 |
| 261 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Steel bars | Bend Test | ASTM A 370 |
| 262 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Strand Wire for prestressed concrete | Elongation Test | IS 14268 |
| 263 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Structural steel | Bend Test Bars and ates | IS 1599 |
| 264 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Structural steel Section | Elongation | IS 1608 (Part 1) |
| 265 | MECHANICAL- SOIL AND ROCK | Soil | CBR - Callifornia Bearing ratio | IS 2720 (Part 16) |
| 266 | MECHANICAL- SOIL AND ROCK | Soil | Consolidation Test | IS 2720 (Part 15) |
| 267 | MECHANICAL- SOIL AND ROCK | Soil | Direct shear Test (Angle of shearing resistance) | IS 2720 (Part 13) |
| 268 | MECHANICAL- SOIL AND ROCK | Soil | Direct Shear Test (Cohesion) | IS 2720 (Part 13) |

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|---|---|---|---|---|
| 269 | MECHANICAL- SOIL AND ROCK | Soil | Free Swell index | IS 2720 (Part 40) |
| 270 | MECHANICAL- SOIL AND ROCK | Soil | Grain size analysis (by wet sieving from 75 micron to 4.75 mm) | IS 2720 (Part 4) |
| 271 | MECHANICAL- SOIL AND ROCK | Soil | Liquid Limit(LL) | IS 2720 (Part 5) |
| 272 | MECHANICAL- SOIL AND ROCK | Soil | MDD-(Heavy Compaction Test) (Maximum Dry Density) | IS 2720 (Part 8) |
| 273 | MECHANICAL- SOIL AND ROCK | Soil | MDD-Light Compaction Test (Standard Proctor) | IS 2720 (Part 7) |
| 274 | MECHANICAL- SOIL AND ROCK | Soil | OMC-(Heavy compaction Test) (Optimum Moisture Content) | IS 2720(P-8) |
| 275 | MECHANICAL- SOIL AND ROCK | Soil | OMC-Light Compaction Test (Standard Proctor) | IS 2720 (Part 7) |
| 276 | MECHANICAL- SOIL AND ROCK | Soil | Particle size analysis by Hydrometer method (2 to 75 microns) | IS 2720 (Part 4) |
| 277 | MECHANICAL- SOIL AND ROCK | Soil | Plastic Limit(PL) | IS 2720 (Part 5) |
| 278 | MECHANICAL- SOIL AND ROCK | Soil | Shrinkage Limit | IS 2720 (Part 6) |
| 279 | MECHANICAL- SOIL AND ROCK | Soil | Specific Gravity | IS 2720 (Part 1 /Sec 1) |
| 280 | MECHANICAL- SOIL AND ROCK | Soil | Water Content | IS 2720 (Part 2) |