



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

HITECH CIVIL TEST LABS PRIVATE LIMITED, AGRAWAL NURSERY, GENHUKHEDA KOLAR ROAD, BHOPAL, MADHYA PRADESH, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-14827

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Validity

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Last Amended on

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|-------------------|-----------------------------|---------------------------------------|--|--|
| Permanent Testing | | | | |
| 1 | CHEMICAL- BUILDING MATERIAL | Aggregate (Coarse and Fine Aggregate) | chloride | BS EN 1744 (Part-1) |
| 2 | CHEMICAL- BUILDING MATERIAL | Aggregate (Coarse and Fine Aggregate) | Organic impurity | IS 2386 (Part-2) |
| 3 | CHEMICAL- BUILDING MATERIAL | Aggregate (Coarse and Fine Aggregate) | Potential Alkali Reactivity (ii) Reduction in Alkalinity | IS 2386 (Part-7) |
| 4 | CHEMICAL- BUILDING MATERIAL | Aggregate (Coarse and Fine Aggregate) | Potential Alkali Reactivity(i) Dissolve silica | IS 2386 (Part-7) |
| 5 | CHEMICAL- BUILDING MATERIAL | Aggregate (Coarse and Fine Aggregate) | Soundness by MgSO4 | IS 2386 (Part 5) |
| 6 | CHEMICAL- BUILDING MATERIAL | Aggregate (Coarse and Fine Aggregate) | Soundness by Na2SO4 | IS 2386 (Part 5) |
| 7 | CHEMICAL- BUILDING MATERIAL | Aggregate (Coarse and Fine Aggregate) | Sulphate | BS EN 1744 (Part-1) |
| 8 | CHEMICAL- BUILDING MATERIAL | BITUMEN | Matter insoluble in toluene | IS 1215 |
| 9 | CHEMICAL- BUILDING MATERIAL | BITUMEN | Mineral matter (Ash content) | IS 1217 |
| 10 | CHEMICAL- BUILDING MATERIAL | Bitumen | Solubility in trichloroethylene | IS 1216 |
| 11 | CHEMICAL- BUILDING MATERIAL | Cement (OPC) | Insoluble Residue (IR) | IS 4032 |
| 12 | CHEMICAL- BUILDING MATERIAL | Cement (OPC) | Alumina (Al2O3) | IS 4032 |
| 13 | CHEMICAL- BUILDING MATERIAL | Cement (OPC) | Calcium Oxide (CaO) | IS 4032 |
| 14 | CHEMICAL- BUILDING MATERIAL | Cement (OPC) | Ferric Oxide (Fe2O3) | IS 4032 |
| 15 | CHEMICAL- BUILDING MATERIAL | Cement (OPC) | Loss on Ignition (LOI) | IS 4032 |



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| 16 | CHEMICAL- BUILDING MATERIAL | Cement (OPC) | Magnesia (MgO) | IS 4032 |
| 17 | CHEMICAL- BUILDING MATERIAL | Cement (OPC) | Silica (SiO ₂) | IS 4032 |
| 18 | CHEMICAL- BUILDING MATERIAL | Cement (OPC) | Sulphuric Anhydride (SO ₃) | IS 4032 |
| 19 | CHEMICAL- BUILDING MATERIAL | Cement (OPC) | Total Chloride | IS 4032 |
| 20 | CHEMICAL- BUILDING MATERIAL | Cement (PPC) | Insoluble Residue (IR) | IS 4032 |
| 21 | CHEMICAL- BUILDING MATERIAL | Cement (PPC) | Loss on Ignition (LOI) | IS 4032 |
| 22 | CHEMICAL- BUILDING MATERIAL | Cement (PPC) | Magnesia (MgO) | IS 4032 |
| 23 | CHEMICAL- BUILDING MATERIAL | Cement (PPC) | Sulphuric Anhydride (SO ₃) | IS 4032 |
| 24 | CHEMICAL- BUILDING MATERIAL | Construction Chemicals-Admixture | Ash Content | IS 9103 |
| 25 | CHEMICAL- BUILDING MATERIAL | Construction Chemicals-Admixture | Chloride Content | IS 6925 |
| 26 | CHEMICAL- BUILDING MATERIAL | Construction Chemicals-Admixture | Dry Material Content | IS 9103 |
| 27 | CHEMICAL- BUILDING MATERIAL | Construction Chemicals-Admixture | pH | IS 9103 |
| 28 | CHEMICAL- BUILDING MATERIAL | Construction Chemicals-Admixture | Relative Density | IS 9103 |
| 29 | CHEMICAL- BUILDING MATERIAL | Fly ash | Alumina (Al ₂ O ₃) | IS 1727 |
| 30 | CHEMICAL- BUILDING MATERIAL | Fly ash | Calcium oxide (CaO) | IS 1727 |
| 31 | CHEMICAL- BUILDING MATERIAL | Fly ash | Iron Oxide (Fe ₂ O ₃) | IS 1727 |



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| 32 | CHEMICAL- BUILDING MATERIAL | Fly ash | Loss on Ignition (LOI) | IS 1727 |
| 33 | CHEMICAL- BUILDING MATERIAL | Fly ash | Magnesia (MgO) | IS 1727 |
| 34 | CHEMICAL- BUILDING MATERIAL | Fly ash | Silica (SiO ₂) | IS 1727 |
| 35 | CHEMICAL- BUILDING MATERIAL | Fly ash | Sulphuric Anhydride (SO ₃) | IS 1727 |
| 36 | CHEMICAL- BUILDING MATERIAL | Fly ash | Total Chloride | IS 1727 |
| 37 | CHEMICAL- METALS & ALLOYS | Carbon and Alloy Steel | Aluminium (Al) | ASTM E415 |
| 38 | CHEMICAL- METALS & ALLOYS | Carbon and Alloy Steel | Carbon (C) | ASTM E415 |
| 39 | CHEMICAL- METALS & ALLOYS | Carbon and Alloy Steel | Chromium (Cr) | ASTM E415 |
| 40 | CHEMICAL- METALS & ALLOYS | Carbon and Alloy Steel | Cobalt (Co) | ASTM E415 |
| 41 | CHEMICAL- METALS & ALLOYS | Carbon and Alloy Steel | Copper (Cu) | ASTM E415 |
| 42 | CHEMICAL- METALS & ALLOYS | Carbon and Alloy Steel | Manganese (Mn) | ASTM E415 |
| 43 | CHEMICAL- METALS & ALLOYS | Carbon and Alloy Steel | Molybdenum (Mo) | ASTM E415 |
| 44 | CHEMICAL- METALS & ALLOYS | Carbon and Alloy Steel | Nickel (Ni) | ASTM E415 |
| 45 | CHEMICAL- METALS & ALLOYS | Carbon and Alloy Steel | Niobium (Nb) | ASTM E415 |
| 46 | CHEMICAL- METALS & ALLOYS | Carbon and Alloy Steel | Phosphorus (P) | ASTM E415 |
| 47 | CHEMICAL- METALS & ALLOYS | Carbon and Alloy Steel | Silicon (Si) | ASTM E 415 |



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| 48 | CHEMICAL- METALS & ALLOYS | Carbon and Alloy Steel | Sulphur (S) | ASTM E 415 |
| 49 | CHEMICAL- METALS & ALLOYS | Carbon and Alloy Steel | Vanadium (V) | ASTM E415 |
| 50 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Carbon (C) | ASTM E1086 |
| 51 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Chromium (Cr) | ASTM E1086 |
| 52 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Copper (Cu) | ASTM E1086 |
| 53 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Manganese (Mn) | ASTM E1086 |
| 54 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Molybdenum (Mo) | ASTM E1086 |
| 55 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Nickel (Ni) | ASTM E1086 |
| 56 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Phosphorus (P) | ASTM E1086 |
| 57 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Silicon (Si) | ASTM E1086 |
| 58 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Sulfur (S) | ASTM E1086 |
| 59 | CHEMICAL- SOIL AND ROCK | Soil and Rock (Clays and Soils) | Calcium Carbonate as CaCO ₃ | IS 2720 (Part 23) |
| 60 | CHEMICAL- SOIL AND ROCK | Soil and Rock (Clays and Soils) | pH | IS 2720 (Part 26) |
| 61 | CHEMICAL- SOIL AND ROCK | Soil and Rock (Clays and Soils) | Total Soluble Solids | IS 2720 (Part 21) (Gravimetric method) |
| 62 | CHEMICAL- SOIL AND ROCK | Soil and Rock (Clays and Soils) | Total Soluble Sulphates | IS 2720 (Part 27) |
| 63 | CHEMICAL- WATER | Construction Water | Acidity as NaOH | IS 3025 (Part-22) |
| 64 | CHEMICAL- WATER | Construction Water | Alkalinity as H ₂ SO ₄ | IS 3025 (Part-23) |
| 65 | CHEMICAL- WATER | Construction Water | Chloride | IS 3025 (Part 32) |



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| 66 | CHEMICAL- WATER | Construction Water | Inorganic matter/Filterable Residue/Total Dissolved solids | IS 3025 (Part-16) |
| 67 | CHEMICAL- WATER | Construction Water | pH | IS 3025 (Part-11) |
| 68 | CHEMICAL- WATER | Construction Water | Sulphate as SO ₄ | IS 3025 (Part-24/Sec-1) |
| 69 | CHEMICAL- WATER | Construction Water | Total Suspended Solids | IS 3025 (Part-17) |
| 70 | CHEMICAL- WATER | Construction Water | Volatile and Fixed Residue /Organic matter | IS 3025 (Part-18) |
| 71 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregate | Aggregate Impact Value | IS 2386 (Part 4) |
| 72 | MECHANICAL- BUILDINGS MATERIALS | Cement (OPC/PPC | Initial Setting time | IS 4031 (Part 5) |
| 73 | MECHANICAL- BUILDINGS MATERIALS | AAC Block | Bulk Density | IS 6441 (Part 1) |
| 74 | MECHANICAL- BUILDINGS MATERIALS | AAC Block | Compressive Strength | IS 6441 (Part 5) |
| 75 | MECHANICAL- BUILDINGS MATERIALS | AAC Block | Dimension | IS 2185 (Part 3) |
| 76 | MECHANICAL- BUILDINGS MATERIALS | Aggregates | CRUSHING STRENGTH | IS 2386 Part-4 |
| 77 | MECHANICAL- BUILDINGS MATERIALS | Aggregates | Polished Stone Value | IS 2386 (Part-4) |
| 78 | MECHANICAL- BUILDINGS MATERIALS | Bitumen | Absolute Viscosity | IS 1206 (Part 2) |



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| 79 | MECHANICAL-BUILDINGS MATERIALS | Bitumen | Ductility | IS 1208(Part-1) |
| 80 | MECHANICAL-BUILDINGS MATERIALS | Bitumen | Fire Point | IS 1209(Part-1) |
| 81 | MECHANICAL-BUILDINGS MATERIALS | Bitumen | Flash point | IS 1209(Part-1) |
| 82 | MECHANICAL-BUILDINGS MATERIALS | Bitumen | Industrial Viscosity | IS 1206 (Part 1) |
| 83 | MECHANICAL-BUILDINGS MATERIALS | Bitumen | Kinematic Viscosity | IS 1206 (Part 3) |
| 84 | MECHANICAL-BUILDINGS MATERIALS | Bitumen | Penetration | IS 1203 |
| 85 | MECHANICAL-BUILDINGS MATERIALS | Bitumen | Softening Point | IS 1205 |
| 86 | MECHANICAL-BUILDINGS MATERIALS | Bitumen | Specific Gravity | IS 1202 |
| 87 | MECHANICAL-BUILDINGS MATERIALS | Bitumen | Water Sensitivity | AASHTO T283 |
| 88 | MECHANICAL-BUILDINGS MATERIALS | Bitumen Emulsion | Coating Ability And Water Resistance | IS 8887 |
| 89 | MECHANICAL-BUILDINGS MATERIALS | Bitumen Emulsion | Ductility | IS 1208(Part-1) |
| 90 | MECHANICAL-BUILDINGS MATERIALS | Bitumen Emulsion | Miscibility With Water | IS 8887 (Annex-H) |



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| 91 | MECHANICAL-BUILDINGS MATERIALS | Bitumen Emulsion | Penetration | IS 1203 |
| 92 | MECHANICAL-BUILDINGS MATERIALS | Bitumen Emulsion | Residue by evaporation | IS 8887 |
| 93 | MECHANICAL-BUILDINGS MATERIALS | Bitumen Emulsion | Residue on 600 Micron IS Sieve | IS 8887 |
| 94 | MECHANICAL-BUILDINGS MATERIALS | Bitumen Emulsion | Solubility in trichloroethylene | IS 1216 |
| 95 | MECHANICAL-BUILDINGS MATERIALS | Bitumen Emulsion | Stability To mixing with cement | IS 8887 |
| 96 | MECHANICAL-BUILDINGS MATERIALS | Bitumen Emulsion | Storage Stability After 24 Hour | IS 8887 |
| 97 | MECHANICAL-BUILDINGS MATERIALS | Bitumen Emulsion | Viscosity by saybolt viscometer at 25 °C and 50 °C | IS 3117 |
| 98 | MECHANICAL-BUILDINGS MATERIALS | Bituminous Mix | Bulk Specific Gravity | ASTM D2726 |
| 99 | MECHANICAL-BUILDINGS MATERIALS | Bituminous Mix | Flow | ASTM:D6927 |
| 100 | MECHANICAL-BUILDINGS MATERIALS | Bituminous Mix | Marshal Stability | ASTM: D6927 |
| 101 | MECHANICAL-BUILDINGS MATERIALS | Burnt Clay Brick | Dimension (L) | IS 1077 |
| 102 | MECHANICAL-BUILDINGS MATERIALS | Burnt Clay Brick | Dimension (W) | IS 1077 |



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| 103 | MECHANICAL-BUILDINGS MATERIALS | Burnt Clay Bricks | Dimension (H) | IS 1077 |
| 104 | MECHANICAL-BUILDINGS MATERIALS | Burnt Clay Bricks/ Fly Ash Bricks | Compressive strength | IS 3495 (Part 01) |
| 105 | MECHANICAL-BUILDINGS MATERIALS | Burnt Clay Bricks/ Fly Ash Bricks | Efflorescence | IS 3495 (Part 3) |
| 106 | MECHANICAL-BUILDINGS MATERIALS | Burnt Clay Bricks/ Fly Ash Bricks | Water Absorption | IS 3495 (Part 2) |
| 107 | MECHANICAL-BUILDINGS MATERIALS | Cement (OPC/PPC) | Final Setting time | IS 4031 (Part 5) |
| 108 | MECHANICAL-BUILDINGS MATERIALS | Cement (OPC/PPC) | Fineness by Blain's Air Permeability | IS 4031 (Part 2) |
| 109 | MECHANICAL-BUILDINGS MATERIALS | Cement (OPC/PPC) | Compressive Strength | IS 4031 (Part 6) |
| 110 | MECHANICAL-BUILDINGS MATERIALS | Cement (OPC/PPC) | Density | IS 4031 (Part 11) |
| 111 | MECHANICAL-BUILDINGS MATERIALS | Cement (OPC/PPC) | Fineness by Dry Sieving | IS 4031 (Part 01) |
| 112 | MECHANICAL-BUILDINGS MATERIALS | Cement (OPC/PPC) | Standard Consistency | IS 4031 (Part 4) |
| 113 | MECHANICAL-BUILDINGS MATERIALS | Cement (OPC/PPC) | Soundness by Le-Chatelier Method | IS 4031 (Part-3) |
| 114 | MECHANICAL-BUILDINGS MATERIALS | Cement Concrete Tiles | Abrasion Test | IS 1237 |



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| 115 | MECHANICAL-BUILDINGS MATERIALS | Cement Concrete Tiles | Dimensions(Height) | IS 13801 |
| 116 | MECHANICAL-BUILDINGS MATERIALS | Cement Concrete Tiles | Dimensions(Length) | IS 13801 |
| 117 | MECHANICAL-BUILDINGS MATERIALS | Cement Concrete Tiles | Dimensions(width) | IS 13801 |
| 118 | MECHANICAL-BUILDINGS MATERIALS | Cement Concrete Tiles | Water Absorption | IS 13801 |
| 119 | MECHANICAL-BUILDINGS MATERIALS | Ceramic Tile | Rectangulartiy | IS 13630 (Part-1) |
| 120 | MECHANICAL-BUILDINGS MATERIALS | Ceramic Tile | Straightness | IS 13630 (Part-1) |
| 121 | MECHANICAL-BUILDINGS MATERIALS | Ceramic Tiles | Flatness | IS 13630 (Part-1) |
| 122 | MECHANICAL-BUILDINGS MATERIALS | Ceramic Tiles | Surface Abrasion | IS 13630 (Part-11) |
| 123 | MECHANICAL-BUILDINGS MATERIALS | Ceramic Tiles | Tiles center Curvature | IS: 13630 (Part-1) |
| 124 | MECHANICAL-BUILDINGS MATERIALS | Ceramic Tiles | Warpage of Tiles | IS 13630 (Part-1) |
| 125 | MECHANICAL-BUILDINGS MATERIALS | Coarse Aggregate | Elongation Index | IS 2386 (Part 01) |
| 126 | MECHANICAL-BUILDINGS MATERIALS | Coarse Aggregate | Bulk Density | IS 2386 (Part 3) |



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| 127 | MECHANICAL-BUILDINGS MATERIALS | Coarse Aggregate | Crushing Value | IS 2386 (Part-4) |
| 128 | MECHANICAL-BUILDINGS MATERIALS | Coarse Aggregate | 10% Fines Value | IS 2386 (Part 4) |
| 129 | MECHANICAL-BUILDINGS MATERIALS | Coarse Aggregate | Aggregate abrasion Value by Los Angles | IS 2386 (Part 4) |
| 130 | MECHANICAL-BUILDINGS MATERIALS | Coarse Aggregate | Clay lump | IS 2386 (Part 2) |
| 131 | MECHANICAL-BUILDINGS MATERIALS | Coarse Aggregate | Flakiness Index | IS 2386 (Part 01) |
| 132 | MECHANICAL-BUILDINGS MATERIALS | Coarse Aggregate | Sieve Analysis (4.75 mm to 40 mm) | IS 2386 (Part 1) |
| 133 | MECHANICAL-BUILDINGS MATERIALS | Coarse Aggregate | Specific Gravity | IS 2386 (Part 3) |
| 134 | MECHANICAL-BUILDINGS MATERIALS | Coarse Aggregate | Stripping value | IS 6241 |
| 135 | MECHANICAL-BUILDINGS MATERIALS | Coarse Aggregate | Water Absorption | IS 2386 (Part 3) |
| 136 | MECHANICAL-BUILDINGS MATERIALS | Fine Aggregate | Bulk Density | IS 2386 (Part 3) |
| 137 | MECHANICAL-BUILDINGS MATERIALS | Fine Aggregate | % Finer than 75 μ | IS 2386 (Part 01) |
| 138 | MECHANICAL-BUILDINGS MATERIALS | Fine Aggregate | Clay Lump | IS 2386 (Part 2) |



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| 139 | MECHANICAL-BUILDINGS MATERIALS | Fine Aggregate | Sieve Analysis (75 micron to 4.75 mm) | IS 2386 (Part 1) |
| 140 | MECHANICAL-BUILDINGS MATERIALS | Fine Aggregate | Specific Gravity | IS 2386 (Part 3) |
| 141 | MECHANICAL-BUILDINGS MATERIALS | Fine Aggregate | Water Absorption | IS 2386 (Part 3) |
| 142 | MECHANICAL-BUILDINGS MATERIALS | Fly ash (Pulverized fuel ash) | Specific gravity | IS 1727 |
| 143 | MECHANICAL-BUILDINGS MATERIALS | Fly ash (Pulverized fuel ash) | Compressive Strength | IS 1727 |
| 144 | MECHANICAL-BUILDINGS MATERIALS | Fly ash (Pulverized fuel ash) | Fineness by Blain's Air Permeability | IS 1727 |
| 145 | MECHANICAL-BUILDINGS MATERIALS | Fly ash (Pulverized fuel ash) | Fineness by Sieving (particle retained on 45 micron sieve wet sieving) | IS 1727 |
| 146 | MECHANICAL-BUILDINGS MATERIALS | Fly ash (Pulverized fuel ash) | Soundness | IS 1727 |
| 147 | MECHANICAL-BUILDINGS MATERIALS | Fresh Concrete | Compacting Factor Test | IS 1199 (Part-2) |
| 148 | MECHANICAL-BUILDINGS MATERIALS | Fresh Concrete | Density test | IS 1199 (Part-3) |
| 149 | MECHANICAL-BUILDINGS MATERIALS | Fresh Concrete | Final Setting Time | IS 1199 (Part-7) |
| 150 | MECHANICAL-BUILDINGS MATERIALS | Fresh Concrete | Initial Setting Time | IS 1199 Part-7 |



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| 151 | MECHANICAL-BUILDINGS MATERIALS | Fresh concrete | Slump Test | IS 1199 (Part-2) |
| 152 | MECHANICAL-BUILDINGS MATERIALS | Hardened Concrete | Compressive strength by accelerated curing | IS 9013 |
| 153 | MECHANICAL-BUILDINGS MATERIALS | Hardened Concrete | Compressive Strength Core | IS 516 (Part-4) |
| 154 | MECHANICAL-BUILDINGS MATERIALS | Hardened Concrete | Compressive Strength of cube | IS 516 (Part-1/Sec-1) |
| 155 | MECHANICAL-BUILDINGS MATERIALS | Hardened Concrete | Flexural Strength | IS 516 (Part-1/Sec-1) |
| 156 | MECHANICAL-BUILDINGS MATERIALS | Hardened Concrete | Splitting Tensile Strength - Cube and Core | IS 5816 |
| 157 | MECHANICAL-BUILDINGS MATERIALS | Paver Block | Abrasion Resistance | IS 15658 (Annex-E) |
| 158 | MECHANICAL-BUILDINGS MATERIALS | Paver Block | Compressive Strength | IS 15658 |
| 159 | MECHANICAL-BUILDINGS MATERIALS | Paver Block | Dimensions | IS 15658 |
| 160 | MECHANICAL-BUILDINGS MATERIALS | Paver Block | Flexural Strength | IS 15658 |
| 161 | MECHANICAL-BUILDINGS MATERIALS | Paver Block | Water Absorption | IS 15658 |
| 162 | MECHANICAL-BUILDINGS MATERIALS | Polymer Modified Bitumen (PMB) | Elastic Recovery at 15 °C | IRC SP 53:2010 Annex 2 |



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| Accreditation Standard | ISO/IEC 17025:2017 | | |
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|------|--------------------------------|-----------------------------------|--|--|
| 163 | MECHANICAL-BUILDINGS MATERIALS | Polymer Modified Bitumen (PMB) | Elastic Recovery at 15 °C | IS 15462 |
| 164 | MECHANICAL-BUILDINGS MATERIALS | Polymer Modified Bitumen (PMB) | Elastic Recovery at 25 °C | IS 15462 |
| 165 | MECHANICAL-BUILDINGS MATERIALS | Polymer Modified Bitumen (PMB) | Flash Point(open cleveland cup) | IS 1448 (Part 69) |
| 166 | MECHANICAL-BUILDINGS MATERIALS | Polymer Modified Bitumen (PMB) | Increase In softening Point | IS 1205 |
| 167 | MECHANICAL-BUILDINGS MATERIALS | polymer modified bitumen (PMB) | Loss in Mass (TFOT Residue) | IS 9382 |
| 168 | MECHANICAL-BUILDINGS MATERIALS | Polymer Modified Bitumen (PMB) | Penetration @ 25 °C, 0.1mm 100g, 5S | IS 1203 |
| 169 | MECHANICAL-BUILDINGS MATERIALS | Polymer Modified Bitumen (PMB) | Reduction in penetration of residue, at 25 °C | IS 1203 |
| 170 | MECHANICAL-BUILDINGS MATERIALS | Polymer Modified Bitumen (PMB) | Separation ,Difference In Softening Point, R&B °C | IRC SP 53:2010 Annex 3 |
| 171 | MECHANICAL-BUILDINGS MATERIALS | Polymer Modified Bitumen (PMB) | Separation ,Difference In Softening Point, R&B °C | IS 15462 |
| 172 | MECHANICAL-BUILDINGS MATERIALS | Polymer Modified Bitumen (PMB) | Softening point (R &B) | IS 1205 |
| 173 | MECHANICAL-BUILDINGS MATERIALS | Pulverized Fuel Ash - Lime Bricks | Height | IS 12894 |
| 174 | MECHANICAL-BUILDINGS MATERIALS | Pulverized Fuel Ash -Lime Bricks | Length | IS 12894 |



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| 175 | MECHANICAL-BUILDINGS MATERIALS | Pulverized Fuel Ash -Lime Bricks | Width | IS 12894 |
| 176 | MECHANICAL-BUILDINGS MATERIALS | Reinforcement Couplers | Ultimate Tensile Strength | IS 1608 (Part 1) |
| 177 | MECHANICAL-BUILDINGS MATERIALS | Steel Reinforcement/ Structural Steel | Bend (Mandrel diameter: 8,10,12,15,16,18, 20, 25, 30, 32, 36, 40, 48, 50, 60, 75, 4, 96, 100, 108, 112, 120,140,150,168, 175, 192, 196, 200, 216, 224, 252, 279 mm) | IS 1599 |
| 178 | MECHANICAL-BUILDINGS MATERIALS | Steel Reinforcement/ Structural Steel | Elongation | IS 1608 (Part 1) |
| 179 | MECHANICAL-BUILDINGS MATERIALS | Steel Reinforcement/ Structural Steel | Re-Bend (Mandrel diameter: 8,10,12,15,16,18, 20, 25, 30, 32, 36, 40, 48, 50, 60, 75, 4, 96, 100, 108, 112, 120,140,150,168, 175, 192, 196, 200, 216, 224, 252, 279 mm) | IS 1786 |
| 180 | MECHANICAL-BUILDINGS MATERIALS | Steel Reinforcement/ Structural Steel | Tensile Strength | IS 1608 (Part 1) |
| 181 | MECHANICAL-BUILDINGS MATERIALS | Steel Reinforcement/ Structural Steel | Weight / meter | IS 1786 |
| 182 | MECHANICAL-BUILDINGS MATERIALS | Steel Reinforcement/ Structural Steel | Yield Stress | IS 1608 (Part 1) |
| 183 | MECHANICAL-BUILDINGS MATERIALS | Thermoplastic Road Marking Material | Binder Content | BS 3262 (Part-1) Appendix-C |



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| 184 | MECHANICAL-BUILDINGS MATERIALS | Thermoplastic Road Marking Material | Cracking Resistance | MORTH (803.4.1.2) |
| 185 | MECHANICAL-BUILDINGS MATERIALS | Thermoplastic Road Marking Material | Drying Time | MORTH (803.4.1.2) |
| 186 | MECHANICAL-BUILDINGS MATERIALS | Thermoplastic Road Marking Material | Flash Point (open Cleveland cup) | IS 1448 (Part-69) |
| 187 | MECHANICAL-BUILDINGS MATERIALS | Thermoplastic Road Marking Material | Flow Resistance | BS 3262 (Part 1) |
| 188 | MECHANICAL-BUILDINGS MATERIALS | Thermoplastic Road Marking Material | Free Flowing Properties | MORTH Sec 803.4.2.4 |
| 189 | MECHANICAL-BUILDINGS MATERIALS | Thermoplastic Road Marking Material | Roundness | BS 6088 |
| 190 | MECHANICAL-BUILDINGS MATERIALS | Thermoplastic Road Marking Material | Skid Resistance Test | BS 3262 (Part 1) |
| 191 | MECHANICAL-BUILDINGS MATERIALS | Thermoplastic Road Marking Material | Softening point | IS 1205 |
| 192 | MECHANICAL-BUILDINGS MATERIALS | Thermoplastic Road Marking Material | Solid Glass Beads Content | BS 3262 (Part-1), Appendix-D |
| 193 | MECHANICAL- SOIL AND ROCK | Rock | Point Load Test | IS 8764 |
| 194 | MECHANICAL- SOIL AND ROCK | Rock | Specific Gravity | IS 1122 |
| 195 | MECHANICAL- SOIL AND ROCK | Rock | Unconfined Compressive Strength Test of Rock | IS 9143 |
| 196 | MECHANICAL- SOIL AND ROCK | Rock | Water Content | IS 13030 |



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| 197 | MECHANICAL- SOIL AND ROCK | Soil | consolidation | IS 2720 (Part 15) |
| 198 | MECHANICAL- SOIL AND ROCK | Soil | Direct Shear (Cohesion) | IS 2720(Part-13) |
| 199 | MECHANICAL- SOIL AND ROCK | Soil | Direct Shear Test (f) | IS 2720 (Part 13) |
| 200 | MECHANICAL- SOIL AND ROCK | Soil | Free Swelling Index | IS 2720 (Part 40) |
| 201 | MECHANICAL- SOIL AND ROCK | Soil | Liquid Limit | IS 2720 (Part 5) |
| 202 | MECHANICAL- SOIL AND ROCK | Soil | Plastic Limit | IS 2720 (Part 5) |
| 203 | MECHANICAL- SOIL AND ROCK | Soil | Specific Gravity | IS 2720 (Part 3) |
| 204 | MECHANICAL- SOIL AND ROCK | Soil | Triaxial Shear Test (Cohesion) | IS 2720 (Part 11) |
| 205 | MECHANICAL- SOIL AND ROCK | Soil | Triaxial Shear Test (f) | IS 2720(Part 11) |
| 206 | MECHANICAL- SOIL AND ROCK | Soil | Unconfined Compressive Strength of Soil | IS 2720 (Part 10) |
| 207 | MECHANICAL- SOIL AND ROCK | Soil | Vane Shear Test | IS 2720 (Part 30) |
| 208 | MECHANICAL- SOIL AND ROCK | Stones/ Rock | Porosity | IS 13030 |
| 209 | MECHANICAL- SOIL AND ROCK | Stones/ Rock | Tensile Strength | IS 10082 |
| 210 | MECHANICAL- SOIL AND ROCKS | Soil | California Bearing Ratio (CBR) | IS 2720 (Part-16) |
| 211 | MECHANICAL- SOIL AND ROCKS | Soil | Constant Head Permeability test | IS: 2720 (Part-17) |
| 212 | MECHANICAL- SOIL AND ROCKS | Soil | Falling Head Permeability Test | IS 2720 Part-17 |



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| 213 | MECHANICAL- SOIL AND ROCKS | Soil | Grain Size Analysis (0.075 mm to 4.75 mm) | IS 2720 (Part-4) |
| 214 | MECHANICAL- SOIL AND ROCKS | Soil | Maximum Dry Density (by Heavy Compaction) | IS 2720 (Part-8) |
| 215 | MECHANICAL- SOIL AND ROCKS | Soil | Maximum Dry Density (by Light Compaction) | IS 2720 (Part-7) |
| 216 | MECHANICAL- SOIL AND ROCKS | Soil | Optimum Moisture Content (by Heavy Compaction) | IS 2720 (Part-8) |
| 217 | MECHANICAL- SOIL AND ROCKS | Soil | Optimum Moisture Content (by Light Compaction) | IS 2720 (Part-7) |
| 218 | MECHANICAL- SOIL AND ROCKS | Soil | Shrinkage Limit | IS 2720 (Part-6) |
| 219 | MECHANICAL- SOIL AND ROCKS | Soil | Swelling Pressure | IS 2720 (Part-41) |
| 220 | MECHANICAL- SOIL AND ROCKS | Soil | Water Content | IS 2720 (Part-2) |
| 221 | NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES | Reinforced Concrete Structural Members | Carbonation | BS 1881 (Part 201) |



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| Site Testing | | | | |
| 1 | MECHANICAL-BUILDINGS MATERIALS | Fine Aggregate | Bulking of sand | IS 2386 (Part-3) |
| 2 | MECHANICAL- SOIL AND ROCK | Soil-Field | Electrical Resistivity Test | IS 3043 |
| 3 | MECHANICAL- SOIL AND ROCK | Soil-Field | Plate Load Test | IS 1888 |
| 4 | MECHANICAL- SOIL AND ROCKS | Soil Testing | Standard Penetration Test | IS 2131 |
| 5 | NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES | Concrete Structural Members | Cover Meter Depth | BS 1881-204 |
| 6 | NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES | Reinforced Concrete Structural Members | Rebound Hammer | IS 13311 (Part-2) |
| 7 | NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES | Reinforced Concrete Structural Members | Ultrasonic Pulse Velocity | IS 516 (Part 5/Sec-1) |
| 8 | NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES | Reinforced Concrete Structures | Deflection Measurement - Bridge Load Test | IRC SP 51 |
| 9 | NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES | Reinforced Concrete Structures | Pile Integrity Test | IS 14893 |