# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NATIONAL COUNCIL FOR CEMENT AND BUILDING MATERIALS (TESTING LABORATORIES), 34 KM MILE STONE, DELHI MATHURA ROAD, BALLABGARH, FARIDABAD, HARYANA, INDIA

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

**Certificate Number** TC-5296 **Page No** 1 of 21

**Validity** 17/03/2022 to 16/03/2024 **Last Amended on** 29/09/2022

| 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- ATMOSPHERIC POLLUTION | Ambient Air | Oxides of Nitrogen (NO2) | IS 5182 Part 6 |
| 2 | CHEMICAL- ATMOSPHERIC POLLUTION | Ambient Air | PM10 | IS 5182 Part 23 |
| 3 | CHEMICAL- ATMOSPHERIC POLLUTION | Ambient Air | PM2.5 | NCB/ TL/ OP/ 04/ 2.1.3 based on CPCB Guidelines and IS 5182 (Part 24) |
| 4 | CHEMICAL- ATMOSPHERIC POLLUTION | Ambient Air | Sulphur Dioxide (SO2) | IS 5182 Part 2 |
| 5 | CHEMICAL- ATMOSPHERIC POLLUTION | Source/ Stack Emission | Oxides of Nitrogen (NO) | USEPA: Method 7E |
| 6 | CHEMICAL- ATMOSPHERIC POLLUTION | Source/ Stack Emission | Oxides of Nitrogen (NO2) | USEPA: Method 7E |
| 7 | CHEMICAL- ATMOSPHERIC POLLUTION | Source/ Stack Emissions | Carbon Dioxide (CO2) | USEPA: Method 3A |
| 8 | CHEMICAL- ATMOSPHERIC POLLUTION | Source/ Stack Emissions | Carbon Monoxide (CO) | USEPA: Method 10 |
| 9 | CHEMICAL- ATMOSPHERIC POLLUTION | Source/ Stack Emissions | Oxygen (O2) | USEPA: Method 3A |
| 10 | CHEMICAL- ATMOSPHERIC POLLUTION | Source/ Stack Emissions | Particulate Matter (PM) | IS 11255 Part 1 |
| 11 | CHEMICAL- ATMOSPHERIC POLLUTION | Source/ Stack Emissions | Sulphur Dioxide (SO2) | IS 11255 Part 2 |
| 12 | CHEMICAL- ATMOSPHERIC POLLUTION | Source/ Stack Emissions | Sulphur Dioxide (SO2) | USEPA: Method 6C |
| 13 | CHEMICAL- BUILDING MATERIAL | Aggregates | Alkali Aggregate Reactivity (Reduction in alkalinity) | IS 2386 Part 7 |
| 14 | CHEMICAL- BUILDING MATERIAL | Aggregates | Alkali Aggregate Reactivity (Silica released) | IS 2386 Part 7 |
| 15 | CHEMICAL- BUILDING MATERIAL | Calcinated Clay Pozzolana/ Spent Fluidized Catalytic Cracking Equilibrium Catalyst | Al2O3 | IS 1727 |
| 16 | CHEMICAL- BUILDING MATERIAL | Calcinated Clay Pozzolana/ Spent Fluidized Catalytic Cracking Equilibrium Catalyst | CaO | IS 1727 |
| 17 | CHEMICAL- BUILDING MATERIAL | Calcinated Clay Pozzolana/ Spent Fluidized Catalytic Cracking Equilibrium Catalyst | Fe2O3 | IS 1727 |
| 18 | CHEMICAL- BUILDING MATERIAL | Calcinated Clay Pozzolana/ Spent Fluidized Catalytic Cracking Equilibrium Catalyst | Loss on Ignition | IS 1727 |

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|---|---|---|---|---|
| 19 | CHEMICAL- BUILDING MATERIAL | Calcinated Clay Pozzolana/ Spent Fluidized Catalytic Cracking Equilibrium Catalyst | MgO | IS 1727 |
| 20 | CHEMICAL- BUILDING MATERIAL | Calcinated Clay Pozzolana/ Spent Fluidized Catalytic Cracking Equilibrium Catalyst | Mn2O3 | NCB Monograph MS-14 |
| 21 | CHEMICAL- BUILDING MATERIAL | Calcinated Clay Pozzolana/ Spent Fluidized Catalytic Cracking Equilibrium Catalyst | P2O5 | NCB Monograph MS-14 |
| 22 | CHEMICAL- BUILDING MATERIAL | Calcinated Clay Pozzolana/ Spent Fluidized Catalytic Cracking Equilibrium Catalyst | Potash (K2O) | NCB Monograph MS-14 |
| 23 | CHEMICAL- BUILDING MATERIAL | Calcinated Clay Pozzolana/ Spent Fluidized Catalytic Cracking Equilibrium Catalyst | SiO2 | IS 1727 |
| 24 | CHEMICAL- BUILDING MATERIAL | Calcinated Clay Pozzolana/ Spent Fluidized Catalytic Cracking Equilibrium Catalyst | SO3 | IS 1727 |
| 25 | CHEMICAL- BUILDING MATERIAL | Calcinated Clay Pozzolana/ Spent Fluidized Catalytic Cracking Equilibrium Catalyst | Soda (Na2O) | NCB Monograph MS-14 |
| 26 | CHEMICAL- BUILDING MATERIAL | Calcinated Clay Pozzolana/ Spent Fluidized Catalytic Cracking Equilibrium Catalyst | TiO2 | NCB Monograph MS-14 |
| 27 | CHEMICAL- BUILDING MATERIAL | Calcinated Clay Pozzolana/ Spent Fluidized Catalytic Cracking Equilibrium Catalyst | Water Soluble K2O | NCB Monograph(MS-14) |
| 28 | CHEMICAL- BUILDING MATERIAL | Calcinated Clay Pozzolana/ Spent Fluidized Catalytic Cracking Equilibrium Catalyst | Water Soluble Na2O | NCB Monograph (MS-14) |
| 29 | CHEMICAL- BUILDING MATERIAL | Calcinated Clay Pozzolana/ Spent Fluidized Catalytic Cracking Equilibrium Catalyst | Water Soluble Salts | IS 1727 |
| 30 | CHEMICAL- BUILDING MATERIAL | Clinker | Al2O3 | IS 4032 |
| 31 | CHEMICAL- BUILDING MATERIAL | Clinker | CaO | IS 4032 |
| 32 | CHEMICAL- BUILDING MATERIAL | Clinker | Cl | IS 4032 |
| 33 | CHEMICAL- BUILDING MATERIAL | Clinker | Fe2O3 | IS 4032 |
| 34 | CHEMICAL- BUILDING MATERIAL | Clinker | Free Lime | IS 4032 |
| 35 | CHEMICAL- BUILDING MATERIAL | Clinker | Insoluble Residue | IS 4032 |
| 36 | CHEMICAL- BUILDING MATERIAL | Clinker | K2O | NCB Monograph MS-13 |
| 37 | CHEMICAL- BUILDING MATERIAL | Clinker | Loss on Ignition | IS 4032 |

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|---|---|---|---|---|
| 38 | CHEMICAL- BUILDING MATERIAL | Clinker | MgO | IS 4032 |
| 39 | CHEMICAL- BUILDING MATERIAL | Clinker | Mn2O3 | IS 12423 |
| 40 | CHEMICAL- BUILDING MATERIAL | Clinker | Na2O | NCB Monograph MS-13 |
| 41 | CHEMICAL- BUILDING MATERIAL | Clinker | P2O5 | IS 12423 |
| 42 | CHEMICAL- BUILDING MATERIAL | Clinker | SiO2 | IS 4032 |
| 43 | CHEMICAL- BUILDING MATERIAL | Clinker | SO3 | IS 4032 |
| 44 | CHEMICAL- BUILDING MATERIAL | Clinker | TiO2 | IS 12423 |
| 45 | CHEMICAL- BUILDING MATERIAL | Clinker, Hydraulic Cement | MgO | IS 12803 |
| 46 | CHEMICAL- BUILDING MATERIAL | Clinker, Hydraulic Cement | Al2O3 | IS 12803 |
| 47 | CHEMICAL- BUILDING MATERIAL | Clinker, Hydraulic Cement | CaO | IS 12803 |
| 48 | CHEMICAL- BUILDING MATERIAL | Clinker, Hydraulic Cement | Fe2O3 | IS 12803 |
| 49 | CHEMICAL- BUILDING MATERIAL | Clinker, Hydraulic Cement | SiO2 | IS 12803 |
| 50 | CHEMICAL- BUILDING MATERIAL | Coal ash/Pet Coke Ash, Rice Husk Ash | Al2O3 | IS 1727 |
| 51 | CHEMICAL- BUILDING MATERIAL | Coal ash/Pet Coke Ash, Rice Husk Ash | CaO | IS 1727 |
| 52 | CHEMICAL- BUILDING MATERIAL | Coal ash/Pet Coke Ash, Rice Husk Ash | Chloride (Cl) | IS 1727 |
| 53 | CHEMICAL- BUILDING MATERIAL | Coal ash/Pet Coke Ash, Rice Husk Ash | Fe2O3 | IS 1727 |
| 54 | CHEMICAL- BUILDING MATERIAL | Coal ash/Pet Coke Ash, Rice Husk Ash | K2O | NCB Monograph MS-14 |
| 55 | CHEMICAL- BUILDING MATERIAL | Coal ash/Pet Coke Ash, Rice Husk Ash | Loss on Ignition | IS 1727 |
| 56 | CHEMICAL- BUILDING MATERIAL | Coal ash/Pet Coke Ash, Rice Husk Ash | MgO | IS 1727 |

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| 57 | CHEMICAL- BUILDING MATERIAL | Coal ash/Pet Coke Ash, Rice Husk Ash | Mn2O3 | NCB Monograph MS-14 |
| 58 | CHEMICAL- BUILDING MATERIAL | Coal ash/Pet Coke Ash, Rice Husk Ash | Na2O | NCB Monograph MS-14 |
| 59 | CHEMICAL- BUILDING MATERIAL | Coal ash/Pet Coke Ash, Rice Husk Ash | P2O5 | NCB Monograph MS-14 |
| 60 | CHEMICAL- BUILDING MATERIAL | Coal ash/Pet Coke Ash, Rice Husk Ash | R2O3-Fe2O3 | IS 1727 |
| 61 | CHEMICAL- BUILDING MATERIAL | Coal ash/Pet Coke Ash, Rice Husk Ash | SiO2 | IS 1727 |
| 62 | CHEMICAL- BUILDING MATERIAL | Coal ash/Pet Coke Ash, Rice Husk Ash | SO3 | IS 1727 |
| 63 | CHEMICAL- BUILDING MATERIAL | Coal ash/Pet Coke Ash, Rice Husk Ash | TiO2 | NCB Monograph MS-14 |
| 64 | CHEMICAL- BUILDING MATERIAL | Concrete Admixture | Ash Content | IS 9103 |
| 65 | CHEMICAL- BUILDING MATERIAL | Concrete Admixture | Chloride | IS 6932 |
| 66 | CHEMICAL- BUILDING MATERIAL | Concrete Admixture | Dry Material Content | IS 9103 |
| 67 | CHEMICAL- BUILDING MATERIAL | Concrete Admixture | pH | IS 9103 |
| 68 | CHEMICAL- BUILDING MATERIAL | Concrete Admixture | Relative Density | IS 9103 |
| 69 | CHEMICAL- BUILDING MATERIAL | Copper slag | Fe2O3 | IS 4032 |
| 70 | CHEMICAL- BUILDING MATERIAL | Copper Slag | Glass Content | IS:269, IS 12089 |
| 71 | CHEMICAL- BUILDING MATERIAL | Copper slag | K2O | NCB Monograph MS-13 |
| 72 | CHEMICAL- BUILDING MATERIAL | Copper slag | Na2O | NCB Monograph MS-13 |
| 73 | CHEMICAL- BUILDING MATERIAL | Copper Slag | Retained on 50 mm sieve | IS 269 |
| 74 | CHEMICAL- BUILDING MATERIAL | Copper Slag | SiO2 | IS 4032 |
| 75 | CHEMICAL- BUILDING MATERIAL | Copper slag | SO3 | IS 4032 |

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|---|---|---|---|---|
| 76 | CHEMICAL- BUILDING MATERIAL | Granulated Blast Furnace Slag | Al2O3 | IS 4032 |
| 77 | CHEMICAL- BUILDING MATERIAL | Granulated Blast Furnace Slag | CaO | IS 4032 |
| 78 | CHEMICAL- BUILDING MATERIAL | Granulated Blast Furnace Slag | Insoluble residue | IS 4032 |
| 79 | CHEMICAL- BUILDING MATERIAL | Granulated Blast Furnace Slag | K2O | NCB Monograph MS-13 |
| 80 | CHEMICAL- BUILDING MATERIAL | Granulated Blast Furnace Slag | MgO | IS 4032 |
| 81 | CHEMICAL- BUILDING MATERIAL | Granulated Blast Furnace Slag | Mn2O3 | IS 4032 |
| 82 | CHEMICAL- BUILDING MATERIAL | Granulated Blast Furnace Slag | MnO | IS 4032 |
| 83 | CHEMICAL- BUILDING MATERIAL | Granulated Blast Furnace Slag | Moisture Content | IS 12089 |
| 84 | CHEMICAL- BUILDING MATERIAL | Granulated Blast Furnace Slag | Na2O | NCB Monograph MS-13 |
| 85 | CHEMICAL- BUILDING MATERIAL | Granulated Blast Furnace Slag | Retained on 50 mm sieve | IS 12089 |
| 86 | CHEMICAL- BUILDING MATERIAL | Granulated Blast Furnace Slag | SiO2 | IS 4032 |
| 87 | CHEMICAL- BUILDING MATERIAL | Granulated Blast Furnace Slag | Sulphur as sulphide | IS 4032 |
| 88 | CHEMICAL- BUILDING MATERIAL | Granulated Blast Furnace Slag, | Glass Content | IS 12089 |
| 89 | CHEMICAL- BUILDING MATERIAL | Ground Granulated Blast Furnace Slag/Ultrafine Ground Granulated Blast Furnace Slag | Al2O3 | IS 4032 |
| 90 | CHEMICAL- BUILDING MATERIAL | Ground Granulated Blast Furnace Slag/Ultrafine Ground Granulated Blast Furnace Slag | CaO | IS 4032 |
| 91 | CHEMICAL- BUILDING MATERIAL | Ground Granulated Blast Furnace Slag/Ultrafine Ground Granulated Blast Furnace Slag | Chloride (Cl) | IS 4032 |
| 92 | CHEMICAL- BUILDING MATERIAL | Ground Granulated Blast Furnace Slag/Ultrafine Ground Granulated Blast Furnace Slag | Glass Content | IS 16714 |
| 93 | CHEMICAL- BUILDING MATERIAL | Ground Granulated Blast Furnace Slag/Ultrafine Ground Granulated Blast Furnace Slag | Insoluble residue | IS 4032 |
| 94 | CHEMICAL- BUILDING MATERIAL | Ground Granulated Blast Furnace Slag/Ultrafine Ground Granulated Blast Furnace Slag | K2O | NCB Monograph MS-13 |

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|---|---|---|---|---|
| 95 | CHEMICAL- BUILDING MATERIAL | Ground Granulated Blast Furnace Slag/Ultrafine Ground Granulated Blast Furnace Slag | Loss of ignition | IS 4032 |
| 96 | CHEMICAL- BUILDING MATERIAL | Ground Granulated Blast Furnace Slag/Ultrafine Ground Granulated Blast Furnace Slag | MgO | IS 4032 |
| 97 | CHEMICAL- BUILDING MATERIAL | Ground Granulated Blast Furnace Slag/Ultrafine Ground Granulated Blast Furnace Slag | Mn2O3 | IS 4032 |
| 98 | CHEMICAL- BUILDING MATERIAL | Ground Granulated Blast Furnace Slag/Ultrafine Ground Granulated Blast Furnace Slag | MnO | IS 4032 |
| 99 | CHEMICAL- BUILDING MATERIAL | Ground Granulated Blast Furnace Slag/Ultrafine Ground Granulated Blast Furnace Slag | Moisture Content | IS 16714 |
| 100 | CHEMICAL- BUILDING MATERIAL | Ground Granulated Blast Furnace Slag/Ultrafine Ground Granulated Blast Furnace Slag | Na2O | NCB Monograph MS-13 |
| 101 | CHEMICAL- BUILDING MATERIAL | Ground Granulated Blast Furnace Slag/Ultrafine Ground Granulated Blast Furnace Slag | SiO2 | IS 4032 |
| 102 | CHEMICAL- BUILDING MATERIAL | Ground Granulated Blast Furnace Slag/Ultrafine Ground Granulated Blast Furnace Slag | SO3 | IS 4032 |
| 103 | CHEMICAL- BUILDING MATERIAL | Ground Granulated Blast Furnace Slag/Ultrafine Ground Granulated Blast Furnace Slag | Sulphur as sulphide | IS 4032 |
| 104 | CHEMICAL- BUILDING MATERIAL | Hydrated Lime | CaO (ignited basis) | IS 6932 Part 1 |
| 105 | CHEMICAL- BUILDING MATERIAL | Hydrated Lime | Insoluble Residue (ignited basis) | IS 6932 Part 1 |
| 106 | CHEMICAL- BUILDING MATERIAL | Hydrated Lime | MgO (ignited basis) | IS 6932 Part 1 |
| 107 | CHEMICAL- BUILDING MATERIAL | Hydrated Lime | SiO2 (ignited basis) | IS 6932 Part 1 |
| 108 | CHEMICAL- BUILDING MATERIAL | Hydraulic cement, Microfine OPC | Al2O3 | IS 4032 |
| 109 | CHEMICAL- BUILDING MATERIAL | Hydraulic cement, Microfine OPC | CaO | IS 4032 |
| 110 | CHEMICAL- BUILDING MATERIAL | Hydraulic cement, Microfine OPC | Chloride (Cl) | IS 4032 |
| 111 | CHEMICAL- BUILDING MATERIAL | Hydraulic cement, Microfine OPC | Fe2O3 | IS 4032 |
| 112 | CHEMICAL- BUILDING MATERIAL | Hydraulic cement, Microfine OPC | Free Lime | IS 4032 |
| 113 | CHEMICAL- BUILDING MATERIAL | Hydraulic cement, Microfine OPC | Insoluble residue | IS 4032 |

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| 114 | CHEMICAL- BUILDING MATERIAL | Hydraulic cement, Microfine OPC | Loss of Ignition | IS 4032 |
| 115 | CHEMICAL- BUILDING MATERIAL | Hydraulic cement, Microfine OPC | MgO | IS 4032 |
| 116 | CHEMICAL- BUILDING MATERIAL | Hydraulic cement, Microfine OPC | Mn2O3 | IS 12423 |
| 117 | CHEMICAL- BUILDING MATERIAL | Hydraulic cement, Microfine OPC | Na2O | NCB Monograph MS-13 |
| 118 | CHEMICAL- BUILDING MATERIAL | Hydraulic cement, Microfine OPC | P2O5 | IS 12423 |
| 119 | CHEMICAL- BUILDING MATERIAL | Hydraulic cement, Microfine OPC | SiO2 | IS 4032 |
| 120 | CHEMICAL- BUILDING MATERIAL | Hydraulic cement, Microfine OPC | SO3 | IS 4032 |
| 121 | CHEMICAL- BUILDING MATERIAL | Hydraulic cement, Microfine OPC | TiO2 | IS 12423 |
| 122 | CHEMICAL- BUILDING MATERIAL | Hydraulic Cement, Microfine Ordinary Portland Cement | K2O | NCB Monograph MS-13 |
| 123 | CHEMICAL- BUILDING MATERIAL | Hydraulic Cement, Microfine Ordinary Portland Cement | Na2O | NCB Monograph MS-13 |
| 124 | CHEMICAL- BUILDING MATERIAL | Hydraulic Cement, Microfine Ordinary Portland Cement | Sulphur as Sulphide | IS 4032 |
| 125 | CHEMICAL- BUILDING MATERIAL | Lead Zinc Slag | Al2O3 | IS 4032 |
| 126 | CHEMICAL- BUILDING MATERIAL | Lead Zinc Slag | CaO | IS 4032 |
| 127 | CHEMICAL- BUILDING MATERIAL | Lead Zinc Slag | Fe2O3 | IS 4032 |
| 128 | CHEMICAL- BUILDING MATERIAL | Lead Zinc Slag | Glass content | IS 4032 |
| 129 | CHEMICAL- BUILDING MATERIAL | Lead Zinc Slag | K2O | NCB Monograph MS-13 |
| 130 | CHEMICAL- BUILDING MATERIAL | Lead Zinc Slag | MgO | IS 4032 |
| 131 | CHEMICAL- BUILDING MATERIAL | Lead Zinc Slag | Na2O | NCB Monograph MS-13 |
| 132 | CHEMICAL- BUILDING MATERIAL | Lead Zinc Slag | Retained on 10mm sieve | IS 269 |

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|---|---|---|---|---|
| 133 | CHEMICAL- BUILDING MATERIAL | Lead Zinc slag | SiO2 | IS 4032 |
| 134 | CHEMICAL- BUILDING MATERIAL | Metakaoline | Al2O3 | IS 1727 |
| 135 | CHEMICAL- BUILDING MATERIAL | Metakaoline | Fe2O3 | IS 1727 |
| 136 | CHEMICAL- BUILDING MATERIAL | Metakaoline | K2O | NCB Monograph MS-14 |
| 137 | CHEMICAL- BUILDING MATERIAL | Metakaoline | Loss on Ignition | IS 1727 |
| 138 | CHEMICAL- BUILDING MATERIAL | Metakaoline | Mn2O3 | NCB Monograph MS-14 |
| 139 | CHEMICAL- BUILDING MATERIAL | Metakaoline | Na2O | NCB Monograph MS-14 |
| 140 | CHEMICAL- BUILDING MATERIAL | Metakaoline | P2O5 | NCB Monograph MS-14 |
| 141 | CHEMICAL- BUILDING MATERIAL | Metakaoline | SiO2 | IS 1727 |
| 142 | CHEMICAL- BUILDING MATERIAL | Metakaoline | TiO2 | NCB Monograph MS-14 |
| 143 | CHEMICAL- BUILDING MATERIAL | Pulverised Fuel Ash | Al2O3 | IS 1727 |
| 144 | CHEMICAL- BUILDING MATERIAL | Pulverised Fuel Ash | Available alkalies as Na2O | IS 3812 (Part 1& 2) |
| 145 | CHEMICAL- BUILDING MATERIAL | Pulverised Fuel Ash | Cl | IS 4032 |
| 146 | CHEMICAL- BUILDING MATERIAL | Pulverised Fuel Ash | Fe2O3 | IS 1727 |
| 147 | CHEMICAL- BUILDING MATERIAL | Pulverised Fuel Ash | Loss on Ignition | IS 1727 |
| 148 | CHEMICAL- BUILDING MATERIAL | Pulverised Fuel Ash | MgO | IS 1727 |
| 149 | CHEMICAL- BUILDING MATERIAL | Pulverised Fuel Ash | Mn2O3 | NCB Monograph MS-14 |
| 150 | CHEMICAL- BUILDING MATERIAL | Pulverised Fuel Ash | Moisture | IS:3812 (Part 1) |
| 151 | CHEMICAL- BUILDING MATERIAL | Pulverised Fuel Ash | P2O5 | NCB Monograph MS-14 |

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| 152 | CHEMICAL- BUILDING MATERIAL | Pulverised Fuel Ash | R2O3 - Fe2O3 | IS 1727 |
| 153 | CHEMICAL- BUILDING MATERIAL | Pulverised Fuel Ash | Reactive Silica | IS 3812 (Part 1) |
| 154 | CHEMICAL- BUILDING MATERIAL | Pulverised Fuel Ash | SiO2 | IS 1727 |
| 155 | CHEMICAL- BUILDING MATERIAL | Pulverised Fuel Ash | SO3 | IS 1727 |
| 156 | CHEMICAL- BUILDING MATERIAL | Pulverised Fuel Ash | TiO2 | NCB Monograph MS-14 |
| 157 | CHEMICAL- BUILDING MATERIAL | Refractory materials | Al2O3 | IS 1527 |
| 158 | CHEMICAL- BUILDING MATERIAL | Refractory materials | CaO | IS 1527 |
| 159 | CHEMICAL- BUILDING MATERIAL | Refractory materials | Cl | NCB Monograph MS-13 |
| 160 | CHEMICAL- BUILDING MATERIAL | Refractory materials | Fe2O3 | IS 1527 |
| 161 | CHEMICAL- BUILDING MATERIAL | Refractory materials | K2O | IS 1527 |
| 162 | CHEMICAL- BUILDING MATERIAL | Refractory materials | Loss on Ignition | IS 1527 |
| 163 | CHEMICAL- BUILDING MATERIAL | Refractory materials | MgO | IS 1527 |
| 164 | CHEMICAL- BUILDING MATERIAL | Refractory materials | Na2O | IS 1527 |
| 165 | CHEMICAL- BUILDING MATERIAL | Refractory materials | P2O5 | NCB Monograph MS-5 |
| 166 | CHEMICAL- BUILDING MATERIAL | Refractory materials | SiO2 | IS 1527 |
| 167 | CHEMICAL- BUILDING MATERIAL | Refractory materials | TiO2 | IS 1527 |
| 168 | CHEMICAL- BUILDING MATERIAL | Refratory materials | Mn2O3 | NCB Monograph MS-5- |
| 169 | CHEMICAL- BUILDING MATERIAL | Silica Fume | Available alkalies as Na2O | IS 15388 |
| 170 | CHEMICAL- BUILDING MATERIAL | Silica Fume | Loss on Ignition | IS 1727 |

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|---|---|---|---|---|
| 171 | CHEMICAL- BUILDING MATERIAL | Silica Fume | Mn2O3 | NCB Monograph MS-14 |
| 172 | CHEMICAL- BUILDING MATERIAL | Silica Fume | Moisture | IS:15388 |
| 173 | CHEMICAL- BUILDING MATERIAL | Silica Fume | P2O5 | NCB Monograph MS-14 |
| 174 | CHEMICAL- BUILDING MATERIAL | Silica Fume | SiO2 | IS 1727 |
| 175 | CHEMICAL- BUILDING MATERIAL | Silica Fume | TiO2 | NCB Monograph MS-14 |
| 176 | CHEMICAL- BUILDING MATERIAL | Steel Slag | Al2O3 | IS 4032 |
| 177 | CHEMICAL- BUILDING MATERIAL | Steel Slag | CaO | IS 4032 |
| 178 | CHEMICAL- BUILDING MATERIAL | Steel Slag | Fe (Total) | IS 4032 |
| 179 | CHEMICAL- BUILDING MATERIAL | Steel Slag | Fe2O3 | IS 4032 |
| 180 | CHEMICAL- BUILDING MATERIAL | Steel Slag | Glass content | IS 269 |
| 181 | CHEMICAL- BUILDING MATERIAL | Steel Slag | K2O | NCB Monograph MS-13 |
| 182 | CHEMICAL- BUILDING MATERIAL | Steel Slag | MgO | IS 4032 |
| 183 | CHEMICAL- BUILDING MATERIAL | Steel Slag | Mn2O3 | IS 4032 |
| 184 | CHEMICAL- BUILDING MATERIAL | Steel Slag | Na2O | NCB Monograph MS-13 |
| 185 | CHEMICAL- BUILDING MATERIAL | Steel Slag | P2O5 | IS 12423 |
| 186 | CHEMICAL- BUILDING MATERIAL | Steel Slag | Phosphorus (P) | IS 12423 |
| 187 | CHEMICAL- BUILDING MATERIAL | Steel Slag | Retained on 10 mm sieve | IS 269 |
| 188 | CHEMICAL- BUILDING MATERIAL | Steel Slag | SiO2 | IS 4032 |
| 189 | CHEMICAL- BUILDING MATERIAL | Ultrafine Granulated Blast Furnace slag | Glass Content | IS 16715 |

# SCOPE OF ACCREDITATION

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|---|---|---|---|---|
| 190 | CHEMICAL- ORES & MINERALS | Bauxite | Al2O3 | IS 2000(Part 3) |
| 191 | CHEMICAL- ORES & MINERALS | Bauxite | CaO | NCB Monograph MS-14 |
| 192 | CHEMICAL- ORES & MINERALS | Bauxite | Cl | NCB Monograph (MS-5) |
| 193 | CHEMICAL- ORES & MINERALS | Bauxite | Fe2O3 | IS 2000 (part 4) |
| 194 | CHEMICAL- ORES & MINERALS | Bauxite | K2O | NCB Monograph (MS-14) |
| 195 | CHEMICAL- ORES & MINERALS | Bauxite | Loss on Ignition | IS 2000 (part-1) |
| 196 | CHEMICAL- ORES & MINERALS | Bauxite | MgO | NCB Monograph (MS-14) |
| 197 | CHEMICAL- ORES & MINERALS | Bauxite | Mn2O3 | NCB Monograph (MS-5) |
| 198 | CHEMICAL- ORES & MINERALS | Bauxite | Na2O | NCB Monograph (MS-14) |
| 199 | CHEMICAL- ORES & MINERALS | Bauxite | P2O5 | IS 2000(Part 7) |
| 200 | CHEMICAL- ORES & MINERALS | Bauxite | SiO2 | IS 2000(Part 2) |
| 201 | CHEMICAL- ORES & MINERALS | Bauxite | TiO2 | IS 2000(Part 5) |
| 202 | CHEMICAL- ORES & MINERALS | Gypsum | CaO | IS 1288 |
| 203 | CHEMICAL- ORES & MINERALS | Gypsum | CaSO4.2H2O | IS 6046 |
| 204 | CHEMICAL- ORES & MINERALS | Gypsum | CaSO4.2H2O (Purity) | IS 1288 |
| 205 | CHEMICAL- ORES & MINERALS | Gypsum | Cl as NaCl | IS 1288 |
| 206 | CHEMICAL- ORES & MINERALS | Gypsum | Combined Water | IS 1288 |
| 207 | CHEMICAL- ORES & MINERALS | Gypsum | Fluorine Content | NCB/F/13 |
| 208 | CHEMICAL- ORES & MINERALS | Gypsum | Free Moisture | IS 10170 |

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|---|---|---|---|---|
| 209 | CHEMICAL- ORES & MINERALS | Gypsum | Free Water | IS 1288 |
| 210 | CHEMICAL- ORES & MINERALS | Gypsum | Iron & Alumina | IS 1288 |
| 211 | CHEMICAL- ORES & MINERALS | Gypsum | MgO | IS 1288 |
| 212 | CHEMICAL- ORES & MINERALS | Gypsum | Mn2O3 | NCB Monograph (MS-5) |
| 213 | CHEMICAL- ORES & MINERALS | Gypsum | P2O5 | NCB Monograph (MS-5) |
| 214 | CHEMICAL- ORES & MINERALS | Gypsum | SiO2 & Acid Insoluble | IS 1288 |
| 215 | CHEMICAL- ORES & MINERALS | Gypsum | SO3 | IS 1288 |
| 216 | CHEMICAL- ORES & MINERALS | Gypsum | Sodium Content as Na | IS 6046 |
| 217 | CHEMICAL- ORES & MINERALS | Gypsum (Mineral and by product) | TiO2 | IS 12423 |
| 218 | CHEMICAL- ORES & MINERALS | Iron Ore | Al2O3 | IS 1493(Part-1) |
| 219 | CHEMICAL- ORES & MINERALS | Iron Ore | Iron (Fe) | IS 1493 (Part-1) |
| 220 | CHEMICAL- ORES & MINERALS | Iron Ore | K2O | NCB Monograph(MS-14) |
| 221 | CHEMICAL- ORES & MINERALS | Iron Ore | Mn2O3 | NCB Monograph(MS-5) |
| 222 | CHEMICAL- ORES & MINERALS | Iron Ore | Moisture | IS 1493 (Part-1) |
| 223 | CHEMICAL- ORES & MINERALS | Iron Ore | Na2O | NCB Monograph (MS-14) |
| 224 | CHEMICAL- ORES & MINERALS | Iron Ore | P2O5 | NCB Monograph(MS-5) |
| 225 | CHEMICAL- ORES & MINERALS | Iron Ore | SiO2 | IS 1493 (Part-1) |
| 226 | CHEMICAL- ORES & MINERALS | Iron Ore | TiO2 | NCB Monograph(RB-04) |
| 227 | CHEMICAL- ORES & MINERALS | Limestone Dolomite and Allied Materials | Al2O3 | IS 1760 (Part 3) |

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|---|---|---|---|---|
| 228 | CHEMICAL- ORES & MINERALS | Limestone Dolomite and Allied Materials | Calcium( as CaCO3) | By calculation from CaO |
| 229 | CHEMICAL- ORES & MINERALS | Limestone Dolomite and Allied Materials | CaO | IS 1760 (Part 3) |
| 230 | CHEMICAL- ORES & MINERALS | Limestone Dolomite and Allied Materials | Cl | IS 1760 (Part 5) |
| 231 | CHEMICAL- ORES & MINERALS | Limestone Dolomite and Allied Materials | Fe2O3 | IS 1760 (Part 3) |
| 232 | CHEMICAL- ORES & MINERALS | Limestone Dolomite and Allied Materials | Free Silica | IS 1760 (Part 6) |
| 233 | CHEMICAL- ORES & MINERALS | Limestone Dolomite and Allied Materials | K2O | NCB Monograph (MS-13) |
| 234 | CHEMICAL- ORES & MINERALS | Limestone Dolomite and Allied Materials | Loss on Ignition | IS 1760 (Part 1) |
| 235 | CHEMICAL- ORES & MINERALS | Limestone Dolomite and Allied Materials | MgO | IS 1760 (Part 3) |
| 236 | CHEMICAL- ORES & MINERALS | Limestone Dolomite and Allied Materials | Mn2O3 | NCB Monograph (MS-5) |
| 237 | CHEMICAL- ORES & MINERALS | Limestone Dolomite and Allied Materials | Na2O | NCB Monograph (MS-13) |
| 238 | CHEMICAL- ORES & MINERALS | Limestone Dolomite and Allied Materials | P2O5 | NCB Monograph (MS-5) |
| 239 | CHEMICAL- ORES & MINERALS | Limestone Dolomite and Allied Materials | SiO2 | IS 1760 (Part 2) |
| 240 | CHEMICAL- ORES & MINERALS | Limestone Dolomite and Allied Materials | SO3 | ASTM C 25 |
| 241 | CHEMICAL- ORES & MINERALS | Limestone Dolomite and Allied Materials | TiO2 | IS 12423 |
| 242 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water | Acidity as CaCO3 | IS 3025 (Part-22) |
| 243 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water | Alkalinity as CaCO3 | IS 3025(Part-23) |
| 244 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water | Calcium | IS 3025 (Part-40) |
| 245 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water | Chloride | IS 3025 (Part-32) |
| 246 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water | Fluoride | IS:3025(Part 60) |

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|---|---|---|---|---|
| 247 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water | Hardness as CaCO3 | IS:3025 (Part 21) |
| 248 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water | Magnesium | IS 3025 (Part-46) |
| 249 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water | Odour | IS 3025 (Part-5) |
| 250 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water | pH | IS 3025(Part-11) |
| 251 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water | Potassium | IS 3025 (Part-45) |
| 252 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water | Sodium | IS 3025 (Part-45) |
| 253 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water | Sp. Conductance | IS:3025 (Part 14) |
| 254 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water | Sulphate | IS 3025(Part-24) |
| 255 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water | Suspended Matter/ Total Suspended Solids | IS 3025(Part-17) |
| 256 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water | Temperature | IS: 3025 (Part 9) |
| 257 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water | Total Dissolved Solids/ Filterable Residue | IS 3025 (Part-16) |
| 258 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water | Total Solids (Dissolved & Suspended) | IS 3025 (Part-15) |
| 259 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste water | Turbidity | IS: 3025 (Part 10) |
| 260 | CHEMICAL- SOIL AND ROCK | Soil | Calcium Carbonate | IS 2720 Part 23 |
| 261 | CHEMICAL- SOIL AND ROCK | Soil | Organic Matter | IS 2720 Part 22 |
| 262 | CHEMICAL- SOIL AND ROCK | Soil | pH | IS 2720 Part 26 |
| 263 | CHEMICAL- SOIL AND ROCK | Soil | Total soluble solids | IS 2720 Part 21 |
| 264 | CHEMICAL- SOIL AND ROCK | Soil | Total Soluble Sulfate as Na2SO4 | IS 2720 Part 27 |
| 265 | CHEMICAL- SOIL AND ROCK | Soil | Total Soluble Sulfate as SO4 | IS 2720 Part 27 |

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|---|---|---|---|---|
| 266 | CHEMICAL- SOLID FUELS | Coke | Ash | IS 1350 (Part-1) |
| 267 | CHEMICAL- SOLID FUELS | Coal | Ash | IS 1350 (Part-1) |
| 268 | CHEMICAL- SOLID FUELS | Coal | Calorific Value | IS 1350(Part-2) |
| 269 | CHEMICAL- SOLID FUELS | Coal | Carbon | IS 16612 |
| 270 | CHEMICAL- SOLID FUELS | Coal | Chlorine | IS 1350(Part-5) |
| 271 | CHEMICAL- SOLID FUELS | Coal | Hard Grove Grindability Index | ASTM D 409 |
| 272 | CHEMICAL- SOLID FUELS | Coal | Hard Grove Grindability Index | IS 4433 |
| 273 | CHEMICAL- SOLID FUELS | Coal | Hydrogen | IS 16612 |
| 274 | CHEMICAL- SOLID FUELS | Coal | Moisture | IS 1350 (Part-1) |
| 275 | CHEMICAL- SOLID FUELS | Coal | Nitrogen | IS 16612 |
| 276 | CHEMICAL- SOLID FUELS | Coal | Sulphur | IS 1350(Part-3) |
| 277 | CHEMICAL- SOLID FUELS | Coal | Sulphur | IS 16609 |
| 278 | CHEMICAL- SOLID FUELS | Coal | Volatile Matter | IS 1350 (Part-1) |
| 279 | CHEMICAL- SOLID FUELS | Coke | Calorific Value | IS 1350(Part-2) |
| 280 | CHEMICAL- SOLID FUELS | Coke | Carbon | IS 16612 |
| 281 | CHEMICAL- SOLID FUELS | Coke | Chlorine | IS 1350(Part-5) |
| 282 | CHEMICAL- SOLID FUELS | Coke | Hard Grove Grindability Index | ASTM D5003 |
| 283 | CHEMICAL- SOLID FUELS | Coke | Hydrogen | IS 16612 |
| 284 | CHEMICAL- SOLID FUELS | Coke | Nitrogen | IS 16612 |
| 285 | CHEMICAL- SOLID FUELS | Coke | Sulphur | IS 1350(Part-3) |
| 286 | CHEMICAL- SOLID FUELS | Coke | Sulphur | IS 16609 |
| 287 | CHEMICAL- SOLID FUELS | Coke | Volatile Matter | IS 1350(Part-1) |
| 288 | CHEMICAL- WATER | Water for construction purpose | Acidity | IS 3025 (Part-22) |
| 289 | CHEMICAL- WATER | Water for construction purpose | Alkalinity | IS 3025 (Part-23) |
| 290 | CHEMICAL- WATER | Water for construction purpose | Chloride | IS 3025 (Part-32) |
| 291 | CHEMICAL- WATER | Water for construction purpose | Inorganic Matter (Fixed residue) | IS 3025 (Part-18) |
| 292 | CHEMICAL- WATER | Water for construction purpose | Organic Matter (Volatile Residue) | IS 3025 (Part-18) |
| 293 | CHEMICAL- WATER | Water for construction purpose | pH | IS 3025 (Part-11) |
| 294 | CHEMICAL- WATER | Water for construction purpose | Sulphate | IS 3025 (Part-24) |

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|---|---|---|---|---|
| 295 | CHEMICAL- WATER | Water for construction purpose | Suspended Matter/ Total Suspended Solids | IS 3025 (Part-17) |
| 296 | MECHANICAL- BUILDINGS MATERIALS | Hydraulic Cement | Degree of Whiteness of cement | IS 8042 |
| 297 | MECHANICAL- BUILDINGS MATERIALS | Building Bricks (Burnt Clay and Lime Pulverized Fuel Ash) | Compressive Strength | IS 3495 part 1 |
| 298 | MECHANICAL- BUILDINGS MATERIALS | Building Bricks (Burnt Clay and Lime Pulverized Fuel Ash) | Dimension (Height) | IS 1077 |
| 299 | MECHANICAL- BUILDINGS MATERIALS | Building Bricks (Burnt Clay and Lime Pulverized Fuel Ash) | Dimension (Length) | IS 1077 |
| 300 | MECHANICAL- BUILDINGS MATERIALS | Building Bricks (Burnt Clay and Lime Pulverized Fuel Ash) | Dimension (Width) | IS 1077 |
| 301 | MECHANICAL- BUILDINGS MATERIALS | Building Bricks (Burnt Clay and Lime Pulverized Fuel Ash) | Efflorescence | IS 3495 Part 3 |
| 302 | MECHANICAL- BUILDINGS MATERIALS | Building Bricks (Burnt Clay and Lime Pulverized Fuel Ash) | Water Absorption | IS 3495 Part 2 |
| 303 | MECHANICAL- BUILDINGS MATERIALS | Cement Concrete Flooring Tiles | Water Absorption | IS 1237 |
| 304 | MECHANICAL- BUILDINGS MATERIALS | Cement Concrete Flooring Tiles | Wet Transverse Strength | IS 1237 |
| 305 | MECHANICAL- BUILDINGS MATERIALS | Ceramic Glazed Tiles | Crazing Resistance | IS 13630 (Part-9) |
| 306 | MECHANICAL- BUILDINGS MATERIALS | Ceramic Glazed Tiles | Modulus of Rupture | IS 13630(Part-6) |
| 307 | MECHANICAL- BUILDINGS MATERIALS | Ceramic Glazed Tiles | Water Absorption | IS 13630 (Part-2) |
| 308 | MECHANICAL- BUILDINGS MATERIALS | Clinker | Granulometric Composition (Particle Size Distribution) | IS 16353 |
| 309 | MECHANICAL- BUILDINGS MATERIALS | Clinker & Hydraulic Cement | Compressive Strength | IS 4031 Part 6 |
| 310 | MECHANICAL- BUILDINGS MATERIALS | Clinker & Hydraulic Cement | Final Setting Time | IS 4031 Part 5 |
| 311 | MECHANICAL- BUILDINGS MATERIALS | Clinker & Hydraulic Cement | Initial Setting Time | IS 4031 Part 5 |
| 312 | MECHANICAL- BUILDINGS MATERIALS | Clinker & Hydraulic Cement | Soundness (Autoclave Expansion) | IS 4031 Part 3 |
| 313 | MECHANICAL- BUILDINGS MATERIALS | Clinker & Hydraulic Cement | Soundness (Le Chateliers Expansion) | IS 4031 Part 3 |

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|---|---|---|---|---|
| 314 | MECHANICAL- BUILDINGS MATERIALS | Clinker, Hydraulic Cement & Ground Granulated Blast Furnace Slag | Specific Surface area by Blaine Air Permeability Method | IS 4031 (Pt-2) |
| 315 | MECHANICAL- BUILDINGS MATERIALS | Clinker, Hydraulic Cement & Ground Granulated Blast Furnace Slag | Standard Consistency | IS 4031 Part 4 |
| 316 | MECHANICAL- BUILDINGS MATERIALS | Clinker, Hydraulic Cement & Microfine OPC, | Heat of Hydration | IS 4031 Part 9 |
| 317 | MECHANICAL- BUILDINGS MATERIALS | Clinker, Hydraulic Cement, Microfine OPC, Ground Granulated Blast Furnace Slag & UGGBFS | Density | IS 4031 Part 11 |
| 318 | MECHANICAL- BUILDINGS MATERIALS | Clinker, Hydraulic Cement, Microfine OPC, Ground Granulated Blast Furnace Slag & UGGBFS | Fineness by wet sieving | IS 4031 Part 15 |
| 319 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregate | 10% Fine Value | IS 2386 (Pt-4) |
| 320 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregate | Abrasion Value (Los Angeles) | IS 2386 (Pt-4) |
| 321 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregate | Alkali Aggregate Reactivity | IS 2386 (Pt-7) |
| 322 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregate | Alkali Aggregate Reactivity | IS 383 |
| 323 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregate | Bulk density | IS 2386 (Pt-3) |
| 324 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregate | Crushing Value | IS 2386 (Pt-4) |
| 325 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregate | Deleterious Material | IS 2386 (Pt-2): |
| 326 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregate | Elongation Index | IS 2386 (Pt-1) |
| 327 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregate | Flakiness Index | IS 2386 (Pt-1) |
| 328 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregate | Impact Value | IS 2386 (Pt-4) |
| 329 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregate | Sieve Analysis | IS 2386 (Pt-1) |
| 330 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregate | Soundness | IS 2386 (Pt-5) |
| 331 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregate | Specific Gravity | IS 2386 (Pt-3) |
| 332 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregate | Voids | IS 2386 (Pt-3) |

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|---|---|---|---|---|
| 333 | MECHANICAL- BUILDINGS MATERIALS | Coarse Aggregate | Water absorption | IS 2386 (Pt-3) |
| 334 | MECHANICAL- BUILDINGS MATERIALS | Fine Aggregate | Alkali Aggregate Reactivity | IS 2386 (Pt-7) |
| 335 | MECHANICAL- BUILDINGS MATERIALS | Fine Aggregate | Alkali Aggregate Reactivity | IS 383 |
| 336 | MECHANICAL- BUILDINGS MATERIALS | Fine Aggregate | Bulk density | IS 2386 (Pt-3) |
| 337 | MECHANICAL- BUILDINGS MATERIALS | Fine Aggregate | Deleterious Material | IS 2386 (Pt-2) |
| 338 | MECHANICAL- BUILDINGS MATERIALS | Fine Aggregate | Material finer than 75 µ sieve | IS 2386 (Pt-1) |
| 339 | MECHANICAL- BUILDINGS MATERIALS | Fine Aggregate | Mortar Making Properties | IS 2386 (Pt-6) |
| 340 | MECHANICAL- BUILDINGS MATERIALS | Fine Aggregate | Organic Impurities | IS 2386 (Pt-2) |
| 341 | MECHANICAL- BUILDINGS MATERIALS | Fine Aggregate | Sieve Analysis | IS 2386 (Pt-1) |
| 342 | MECHANICAL- BUILDINGS MATERIALS | Fine Aggregate | Soundness | IS 2386 (Pt-5) |
| 343 | MECHANICAL- BUILDINGS MATERIALS | Fine Aggregate | Specific Gravity | IS 2386 (Pt-3) |
| 344 | MECHANICAL- BUILDINGS MATERIALS | Fine Aggregate | Voids | IS 2386 (Pt-3) |
| 345 | MECHANICAL- BUILDINGS MATERIALS | Fine Aggregate | Water absorption | IS 2386 (Pt-3) |
| 346 | MECHANICAL- BUILDINGS MATERIALS | Ground Granulated Blast Furnace Slag | Slag Activity Index | IS 16714 |
| 347 | MECHANICAL- BUILDINGS MATERIALS | Hardened Concrete | Compressive Strength | IS 516 (Part 1/ Sec 1) |
| 348 | MECHANICAL- BUILDINGS MATERIALS | Hardened Concrete | Compressive strength of Concrete Core | IS 516 (Part 4) |
| 349 | MECHANICAL- BUILDINGS MATERIALS | Hardened Concrete | Electrical indication of concrete's ability to resist chloride ion penetration | ASTM C 1202 |
| 350 | MECHANICAL- BUILDINGS MATERIALS | Hardened Concrete | Flexural Strength | IS 516 (Part 1/ Sec 1) |

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| **Laboratory Name :** | NATIONAL COUNCIL FOR CEMENT AND BUILDING MATERIALS (TESTING LABORATORIES), 34 KM MILE STONE, DELHI MATHURA ROAD, BALLABGARH, FARIDABAD, HARYANA, INDIA | | |
| **Accreditation Standard** | ISO/IEC 17025:2017 | | |
| **Certificate Number** | TC-5296 | **Page No** | 19 of 21 |
| **Validity** | 17/03/2022 to 16/03/2024 | **Last Amended on** | 29/09/2022 |

| 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 |
|---|---|---|---|---|
| 351 | MECHANICAL- BUILDINGS MATERIALS | Hardened Concrete | Water permeability of hardened concrete | IS 516 (Part 2/ Sec 1) |
| 352 | MECHANICAL- BUILDINGS MATERIALS | Hydraulic Cement | Drying Shrinkage | IS 4031 Part 10 |
| 353 | MECHANICAL- BUILDINGS MATERIALS | Microfine OPC | Bleeding Test @ 3 h | IS 16993 |
| 354 | MECHANICAL- BUILDINGS MATERIALS | Microfine OPC | Compressive Strength | IS 16993 |
| 355 | MECHANICAL- BUILDINGS MATERIALS | Microfine OPC | Final setting Time | IS 16993 |
| 356 | MECHANICAL- BUILDINGS MATERIALS | Microfine OPC | Initial Setting Time | IS 16993 |
| 357 | MECHANICAL- BUILDINGS MATERIALS | Microfine OPC | Particle Size Distribution (D-50 & D-95) | IS 16993 |
| 358 | MECHANICAL- BUILDINGS MATERIALS | Microfine OPC | Specific Surface area by BET (Fineness) | IS 11578 |
| 359 | MECHANICAL- BUILDINGS MATERIALS | Pozzolanic Materials (Pulverized Fuel ash, Metakaolin and Silica Fume) | Compressive Strength at 28 Days (w.r.t. control sample) | IS 1727 |
| 360 | MECHANICAL- BUILDINGS MATERIALS | Pozzolanic Materials (Pulverized Fuel ash, Metakaolin and Silica Fume) | Compressive Strength at 7 Days (w.r.t. control sample) | IS 15388 |
| 361 | MECHANICAL- BUILDINGS MATERIALS | Pozzolanic Materials (Pulverized Fuel ash, Metakaolin and Silica Fume) | Lime Reactivity | IS 1727 |
| 362 | MECHANICAL- BUILDINGS MATERIALS | Pozzolanic Materials (Pulverized Fuel ash, Metakaolin and Silica Fume) | Retained on 45 micron sieve | IS 1727 |
| 363 | MECHANICAL- BUILDINGS MATERIALS | Pozzolanic Materials (Pulverized Fuel ash, Metakaolin and Silica Fume) | Specific Gravity | IS 1727 |
| 364 | MECHANICAL- BUILDINGS MATERIALS | Pozzolanic Materials (Pulverized Fuel ash, Metakaolin and Silica Fume) | Specific surface Area by BET method (Fineness) | IS 15388 |
| 365 | MECHANICAL- BUILDINGS MATERIALS | Pozzolanic Materials (Pulverized Fuel ash, Metakaolin and Silica Fume) | Specific Surfacec Area by Blaine Air Permeability method | IS 1727 |
| 366 | MECHANICAL- BUILDINGS MATERIALS | Pulverized Fuel Ash | Soundness (Autoclave Expansion) | IS 1727 |
| 367 | MECHANICAL- BUILDINGS MATERIALS | Ultrafine Ground Granulated Blast Furnace Slag | Particle Size Distribution (D-50 & D-95) | IS 16715 |
| 368 | MECHANICAL- BUILDINGS MATERIALS | Ultrafine Ground Granulated Blast Furnace Slag | Slag Activity Index | IS 16715 |
| 369 | MECHANICAL- BUILDINGS MATERIALS | Ultrafine Ground Granulated Blast Furnace Slag | Specific Surface area by BET Method (Fineness) | IS 11578 |

# SCOPE OF ACCREDITATION

**Laboratory Name :** NATIONAL COUNCIL FOR CEMENT AND BUILDING MATERIALS (TESTING LABORATORIES), 34 KM MILE STONE, DELHI MATHURA ROAD, BALLABGARH, FARIDABAD, HARYANA, INDIA

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

**Certificate Number** TC-5296 **Page No** 20 of 21

**Validity** 17/03/2022 to 16/03/2024 **Last Amended on** 29/09/2022

| 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 |
|---|---|---|---|---|
| 370 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Reinforcement Steel Bar | Bend Test | IS:1599 |
| 371 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Reinforcement Steel Bar | Elongation | IS 1608:Part1 |
| 372 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Reinforcement Steel Bar | Mass per meter run | IS 1608:Part1 |
| 373 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Reinforcement Steel Bar | Rebend Test | IS 1786 |
| 374 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Reinforcement Steel Bar | Tensile Strength | IS 1608:Part1 |
| 375 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Reinforcement Steel Bar | Yield Strength or 0.2 % proof stress | IS 1608:Part1 |

# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

| | | | |
|---|---|---|---|
| **Laboratory Name :** | NATIONAL COUNCIL FOR CEMENT AND BUILDING MATERIALS (TESTING LABORATORIES), 34 KM MILE STONE, DELHI MATHURA ROAD, BALLABGARH, FARIDABAD, HARYANA, INDIA | | |
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| **Certificate Number** | TC-5296 | **Page No** | 21 of 21 |
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| 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 | NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES | Concrete | Rebound Hammer Test | IS 516 (Part 5/Sec 4) |
| 2 | NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES | Concrete | Ultrasonic Pulse Velocity Test | IS 516 (Part 5/Sec 1) |