



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name GEO ENGINEERING SERVICES, DAHOD-GODHRA ROAD, GODHRA, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6106 Page No. : 1 / 7

Validity 28/08/2019 to 27/08/2021 Last Amended on -

| S.No | Discipline / Group | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed |
|--------------------|--------------------------------|----------------------------|-------------------------|---|
| Permanent Facility | | | | |
| 1 | MECHANICAL-BUILDINGS MATERIALS | Bitumen | Absolute Viscosity | IS 1206 (Part 2) 1978: 2014 |
| 2 | MECHANICAL-BUILDINGS MATERIALS | Bitumen | Binder content | IRC SP 11 1984: 2000 |
| 3 | MECHANICAL-BUILDINGS MATERIALS | Bitumen | Ductility Test | IS 1208 1978: 2014 |
| 4 | MECHANICAL-BUILDINGS MATERIALS | Bitumen | Flash Point | IS 1209 1978: 2014 |
| 5 | MECHANICAL-BUILDINGS MATERIALS | Bitumen | Kinematic Viscosity | IS 1206 (Part 3) 1978: 2014 |
| 6 | MECHANICAL-BUILDINGS MATERIALS | Bitumen | Marshall Flow Value | ASTM D 6927: 2015 |
| 7 | MECHANICAL-BUILDINGS MATERIALS | Bitumen | Marshall Stability | ASTM D 6927: 2015 |
| 8 | MECHANICAL-BUILDINGS MATERIALS | Bitumen | Penetration Test | IS 1203 1978: 2014 |
| 9 | MECHANICAL-BUILDINGS MATERIALS | Bitumen | Softening Point Test | IS 1205 1978: 2014 |



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| 10 | MECHANICAL-BUILDINGS MATERIALS | Bitumen | Specific Gravity | IS 1202 1978: 2014 |
| 11 | MECHANICAL-BUILDINGS MATERIALS | Burnt Clay Building Bricks | Compressive Strength | IS 3495 (Part 1) 1992: 2016 |
| 12 | MECHANICAL-BUILDINGS MATERIALS | Burnt Clay Building Bricks | Dimension Test (Length) | IS 1077 1992: 2016 |
| 13 | MECHANICAL-BUILDINGS MATERIALS | Burnt Clay Building Bricks | Dimension Test (Thickness) | IS 1077 1992: 2016 |
| 14 | MECHANICAL-BUILDINGS MATERIALS | Burnt Clay Building Bricks | Dimension Test (Width) | IS 1077 1992: 2016 |
| 15 | MECHANICAL-BUILDINGS MATERIALS | Burnt Clay Building Bricks | Efflorescence | IS 3495 (Part 3) 1992: 2016 |
| 16 | MECHANICAL-BUILDINGS MATERIALS | Burnt Clay Building Bricks | Water Absorption | IS 3495 (Part 2) 1992: 2016 |
| 17 | MECHANICAL-BUILDINGS MATERIALS | Cement(OPC, PPC, PSC) | Compressive Strength | IS 4031 (Part 6) 1988: 2019 |
| 18 | MECHANICAL-BUILDINGS MATERIALS | Cement(OPC, PPC, PSC) | Consistency | IS 4031 (Part 4) 1988: 2019 |
| 19 | MECHANICAL-BUILDINGS MATERIALS | Cement(OPC, PPC, PSC) | Density | IS 4031 (Part 11) 1988: 2019 |



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| 20 | MECHANICAL-BUILDINGS MATERIALS | Cement(OPC, PPC, PSC) | Final Setting Time | IS 4031 (Part 5) 1988: 2019 |
| 21 | MECHANICAL-BUILDINGS MATERIALS | Cement(OPC, PPC, PSC) | Fineness by Blain Air Permeability | IS 4031 (Part 2) 1999: 2013 |
| 22 | MECHANICAL-BUILDINGS MATERIALS | Cement(OPC, PPC, PSC) | Initial Setting Time | IS 4031 (Part 5) 1988: 2019 |
| 23 | MECHANICAL-BUILDINGS MATERIALS | Cement(OPC, PPC, PSC) | Soundness (By Le Chatelier Method) | IS 4031 (Part 3) 1988: 2019 |
| 24 | MECHANICAL-BUILDINGS MATERIALS | Coarse Aggregate | Crushing value | IS 2386 (Part 4) 1963: 2016 |
| 25 | MECHANICAL-BUILDINGS MATERIALS | Coarse Aggregate | Elongation Index | IS 2386 (Part 1) 1963: 2016 |
| 26 | MECHANICAL-BUILDINGS MATERIALS | Coarse Aggregate | Flakiness Index | IS 2386 (Part 1) 1963: 2016 |
| 27 | MECHANICAL-BUILDINGS MATERIALS | Coarse Aggregate | Impact Value | IS 2386 (Part 4) 1963: 2016 |
| 28 | MECHANICAL-BUILDINGS MATERIALS | Coarse Aggregate | Loose Density | IS 2386 (Part 3) 1963: 2016 |
| 29 | MECHANICAL-BUILDINGS MATERIALS | Coarse Aggregate | Rodded Density | IS 2386 (Part 3) 1963: 2016 |



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| 30 | MECHANICAL-BUILDINGS MATERIALS | Coarse Aggregate | Soundness (MgSO ₄) | IS 2386 (Part 5) 1963: 2016 |
| 31 | MECHANICAL-BUILDINGS MATERIALS | Coarse Aggregate | Soundness (Na ₂ SO ₄) | IS 2386 (Part 5) 1963: 2016 |
| 32 | MECHANICAL-BUILDINGS MATERIALS | Coarse Aggregate | Specific Gravity | IS 2386 (Part 3) 1963: 2016 |
| 33 | MECHANICAL-BUILDINGS MATERIALS | Coarse Aggregate | Water absorption | IS 2386 (Part 3) 1963: 2016 |
| 34 | MECHANICAL-BUILDINGS MATERIALS | Coarse Aggregates | Abrasion Value (Loss Angeles Machine) | IS 2386 (Part 4) 1963: 2016 |
| 35 | MECHANICAL-BUILDINGS MATERIALS | Coarse Aggregates | Sieve Analysis | IS 2386 (Part 1) 1963: 2016 |
| 36 | MECHANICAL-BUILDINGS MATERIALS | Fine Aggregate | Loose Density | IS 2386 (Part 3) 1963: 2016 |
| 37 | MECHANICAL-BUILDINGS MATERIALS | Fine Aggregate | Rodded Density | IS 2386 (Part 3) 1963: 2016 |
| 38 | MECHANICAL-BUILDINGS MATERIALS | Fine Aggregate | Sieve Analysis | IS 2386 (Part 1) 1963: 2016 |
| 39 | MECHANICAL-BUILDINGS MATERIALS | Fine Aggregate | Soundness (MgSO ₄) | IS 2386 (Part 5) 1963: 2016 |



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| 40 | MECHANICAL-BUILDINGS MATERIALS | Fine Aggregate | Soundness (Na ₂ SO ₄) | IS 2386 (Part 5) 1963: 2016 |
| 41 | MECHANICAL-BUILDINGS MATERIALS | Fine Aggregate | Specific Gravity | IS 2386 (Part 3) 1963: 2016 |
| 42 | MECHANICAL-BUILDINGS MATERIALS | Fine Aggregate | Water absorption | IS 2386 (Part 3) 1963: 2016 |
| 43 | MECHANICAL-BUILDINGS MATERIALS | Fresh Concrete | Slump Test | IS 1199 1959: 2013 |
| 44 | MECHANICAL-BUILDINGS MATERIALS | Hardened Concrete(15cm x 15cm x 15cm) | Compressive Strength | IS 516 1959: 2013 |
| 45 | MECHANICAL-BUILDINGS MATERIALS | Paver Block | Compressive Strength | IS 15658 2006: 2017 |
| 46 | MECHANICAL-BUILDINGS MATERIALS | Paver Block | Water absorption | IS 15658 2006: 2017 |
| 47 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Reinforced steel bars and wired (Up to 25 mm Diameter) | Elongation | IS 1608 - Part 1: 2018 |
| 48 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Reinforced Steel bars and wires (up to 20 mm Diameter) | Ultimate Strength (Load Range 4 kN to 550 kN) | IS 1608 Part 1: 2018 |



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|------|--|--|--|---|
| 49 | MECHANICAL- MECHANICAL PROPERTIES OF METALS | Reinforced Steel bars and wires (up to 20 mm Diameter) | Yield Strength (Load Range 4 kN to 500 kN) | IS 1608 Part 1: 2018 |
| 50 | MECHANICAL- MECHANICAL PROPERTIES OF METALS | Reinforced Steel bars and wires (Up to 25 mm Diameter) | Nominal Weight of Steel | IS 1786 2008: 2013 |
| 51 | MECHANICAL- SOIL AND ROCK | Rock | Density | IS 13030 1991: 2016 |
| 52 | MECHANICAL- SOIL AND ROCK | Rock | Porosity | IS 13030 1991: 2016 |
| 53 | MECHANICAL- SOIL AND ROCK | Rock | Unconfined Compressive Strength | IS 9143 1979: 2016 |
| 54 | MECHANICAL- SOIL AND ROCK | Rock | Water Content | IS 13030 1991: 2016 |
| 55 | MECHANICAL- SOIL AND ROCK | Soil | Angle of internal friction | IS 2720 (Part 13) 1986: 2016 |
| 56 | MECHANICAL- SOIL AND ROCK | Soil | Atterberg's LimitLiquid Limit | IS 2720 (Part 5) 1985: 2015 |
| 57 | MECHANICAL- SOIL AND ROCK | Soil | CBR- Soaked | IS 2720 (Part 16) 1987: 2016 |
| 58 | MECHANICAL- SOIL AND ROCK | Soil | CBR-Un soaked | IS 2720 (Part 16) 1987: 2016 |
| 59 | MECHANICAL- SOIL AND ROCK | Soil | Direct Shear Test (Undrained) Cohesion | IS 2720 (Part 13) 1986: 2016 |
| 60 | MECHANICAL- SOIL AND ROCK | Soil | Free Swell Index | IS 2720 (Part 40) 1977: 2016 |



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| 61 | MECHANICAL- SOIL AND ROCK | Soil | Grain Size Analysis | IS 2720 (Part 4) 1985: 2015 |
| 62 | MECHANICAL- SOIL AND ROCK | Soil | Heavy Compaction Test MDD | IS 2720 (Part 8) 1983: 2015 |
| 63 | MECHANICAL- SOIL AND ROCK | Soil | Heavy Compaction Test OMC | IS 2720 (Part 8) 1983: 2015 |
| 64 | MECHANICAL- SOIL AND ROCK | Soil | Laboratory Permeability Test Constant Head Permeability | IS 2720 (Part 17) 1986: 2016 |
| 65 | MECHANICAL- SOIL AND ROCK | Soil | Laboratory Permeability Test Falling Head Permeability | IS 2720 (Part 17) 1986: 2016 |
| 66 | MECHANICAL- SOIL AND ROCK | Soil | Light Compaction Test MDD | IS 2720 (Part 7) 1980: 2016 |
| 67 | MECHANICAL- SOIL AND ROCK | Soil | Light Compaction Test OMC | IS 2720 (Part 7) 1980: 2016 |
| 68 | MECHANICAL- SOIL AND ROCK | Soil | Plastic Limit | IS 2720 (Part 5) 1985: 2015 |
| 69 | MECHANICAL- SOIL AND ROCK | Soil | Specific Gravity | IS 2720 (Part 3 Sec 1) 1980: 2016 |
| 70 | MECHANICAL- SOIL AND ROCK | Soil | Unconfined Compressive Strength | IS 2720 (Part 10) 1991: 2015 |