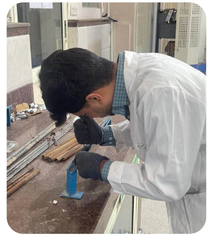








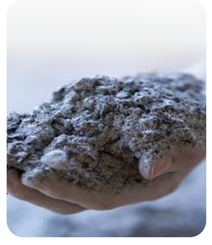

Specialized Services

Geotechnical Investigation

Wenner's 4 Pole Electrical Earth Resistivity test

Plate Load Test

Bridge Load Test




Several types of testing facilities exist under Eco Paryavaran Laboratories & Consultants Pvt. Ltd., Civil Engineering Laboratory is also one of the state-of-the-art facilities equipped with high-end equipment required in the testing of Building, Infrastructure & Construction Materials, Soil, Mechanical Properties of Metals and Reinforced concrete structure etc.

Eco Paryavaran Laboratories & Consultants Pvt. Ltd. is an accredited Laboratory for ISO/IEC 17025 2017 through National Accreditation Borad for Testing and Calibration Laboratories (NABL) in Chemical, Biological, Non-Destructive Tests and Mechanical Disciplines. Laboratory is approved/recognised by BSNL, MES, PHED Haryana, NITTTR, PEC etc.,

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Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

(ISO/IEC 17025: 2017 (NABL) accredited, ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018 certified Laboratory)
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TC-11818

restoring eco balance...

Civil Engineering Laboratory

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Testing Facilities / Activities

Commodities	Test Parameters / Activities
Soil	1. Gradation 2. California Bearing Ratio Test (CBR Soaked & Un-Soaked) 3. Procter Test (MDD / OMC For Both Light & Heavy Compaction) 4. Atterberg's Limits (Liquid Limit, Plastic Limit Plasticity Index) 5. Free Swell Index 6. Water Content 7. Tri-Axial Shear Test 8. Texture 9. Silt Content
Granular Subbase (GSB)/ Wet Mix Macadam (WMM)	1.Gradation 2.California Bearing Ratio Test (CBR Soaked & Un-Soaked) 3.Procter Test (MDD / OMC For Both Light & Heavy Compaction) 4.Atterberg's Limits (Liquid Limit, Plastic Limit Plasticity Index) 5.Free Swell Index 6.Water Absorption
Premix Carpet/ Mix Seal Surfacing	1.Gradation 2.Binder Content
Bitumen (BC)	1.Penetration 2.Softening Point 3.Marshall Stability 4.Ductility 5.Flash and fire Point 6.Specific Gravity 7.Binder Content 8.Stripping Value
Structural Concrete Mix Design	1.Reinforced Cement Concrete (RCC) 2.Plain Cement Concrete (PCC) 3.Pavement Quality Concrete (PQC)
Job Mix Design	1.Bituminous Concrete (BC) 2.Bituminous Macadam (BM) 3.Dense Bituminous Macadam (DBM) 4.Reclaimed Asphaltic Material (RAP)
Rigid Pavement (Pavement Quality Concrete) DLC, PQC	1. Compressive Strength / Flexural Strength of Cubes /Beams 2. Specific Gravity 3. Impact Value 4. Abrasion Value 5. Flakiness & Elongation Index 6. Field Density Test By Sand Replacement & Core Cutter Method 7. Bulk Density 8. Concrete Setting Time

Commodities	Test Parameters / Activities
Mortar	1. Compressive Strength
Testing on Bricks	1. Dimension 2. Water Absorption 3. Compressive Strength 4. Efflorescence Test on Tiles
Test on Tiles	1. Dimension 2. Water Absorption 3. Breaking Strength 4. Modulus of Rupture 5. Abrasion Test (Dry & Wet)
Test on Paper/ Thermocol	1. GSM 2. Dimension
Geotechnical Investigation	1. Standard Penetration Test (SPT) 2. Dynamic Cone Penetration Test (DCPT) 3. Foundation Parameter Designing (Open Foundation/Pile Foundation) 4. Liquefaction Analysis 5. pH, Chloride, Sulphate Testing
Non-Destructive Testing	1. Rebound Hammer Test 2. Ultrasonic Pulse Velocity Test 3. Farrow Scanning (Steel Detailing) 4. Pile Integrity Test
Testing on Cement	1. Consistency 2. Initial & Final Setting Time 3. Compressive Strength 4. Soundness By Le Chatelier 5. Soundness By Autoclave 6. Fineness by Blaine's Air Method 7. Fineness by Dry Sieving 8. Density
Test on Paver	1. Dimension 2. Water Absorption 3. Compressive Strength 4. Block Density 5. Abrasion Test (Dry & Wet)

Testing Facilities / Activities

Commodities	Test Parameters / Activities
Testing On Coarse Aggregate & Fine Aggregate	1. Water Absorption 2. Grain size Analysis 3. Abrasion Value 4. Crushing Value & 10 % Fines Value 5. Fineness Modulus of Fine Aggregate 6. Specific Gravity 7. Flakiness & Elongation Index 8. Slit Content 9. Bulk Density 10. Soundness (Sodium Sulphate) & Magnesium Sulphate.
Flexible Pavement (Bituminous Macadam (BM), Bituminous Concrete (BC)	1. Gradation 2. Binder Content 3. Stripping Value 4. Impact Value 5. Specific Gravity 6. Water Content 7. Abrasion Value 8. Flakiness & Elongation Index 9.Coating and Stripping Value
Test on Wood	1. Density 2. Water absorption
Chemical Testing	1. Steel 2. Soil 3. Water for Construction Purpose 4. Water for drinking Purpose 5. Water for Irrigation Purpose 6. Ground Water 7. Cement 8. Fly Ash 9. Micro Silica 10. Admixture
Water Bound Macadam (WBM)	1. Gradation 2. Flakiness & Elongation Index 3. Water Absorption 4. Impact Value 5. Loss Angeles Abrasion Value
Test on Concrete Mixes	1. Workability Test 2. Slump Test 3. Concrete Cube Strength / Flexural Strength 4. Concrete Setting Time
Tests on Steel/ Plates/ Strips/Mild Steel, Structural Steel/ Coupler/GI Pipe	1. Tensile Strength 2. Yield Stress/0.2% Proof Stress 3. Elongation 4. Bend 5. Re-bend 6. Mass 7. Reduction in area 8. Ribs area 9. Dimension 10. Chemical Analysis

Commodities	Test Parameters / Activities
Micro Silica	1. Fineness by Dry Sieving
Test on AAC Blocks	1. Dimension 2. Water Absorption 3. Compressive Strength 4. Block Density 5. Dry Shrinkage
Earth Resistivity Testing	1.ERT Test 2.Hydrological Survey
Tests on Fly Ash	1. Fineness by Wet Sieving 2. Fineness by Blaine's Air Method 3. Density 4. Soundness by autoclave 5. Lime Reactivity 6. Compressive Strength
Admixture	1. Specific Gravity 2. Density 3. Compressive Strength 4. Setting time
Road Works, Earth Work (Sub Grade / Embankment)	1. Gradation 2. Classification 3. California Bearing Ratio Test (CBR Soaked & Un-Soaked) 4. Procter Test (MDD / OMC For Both Light & Heavy Compaction) 5. Atterbergs Limits (Liquid Limit Plastic Limit Plasticity Index) 6. Free Swell Index
Topographical Survey	1. Detailing of area 2. Contouring 3. Levelling

Meet Our Managing Director At Eco Paryavaran

Dr. Sandeep Garg

BE (Civil) | ME (Environment) | Ph.D.

We all have one thing in common – it is the one thing all of us share.It transcends beyond political boundaries – a shared mutual interest. The biggest asset that we own – God's most beautiful gift – a resource that is priceless, limitless, flawless. Thousands have lived without love, not one without water. Day after day, Nature is painting for us, infinite pictures of beauty. Then Why? Why is environment still considered to be someone else's problem? Why be a part of the pollution, when you can be a part of the solution!

Our Mission

Our mission is to deliver trusted, high-tech solutions through empowered teams, proven processes, and a deep understanding of every project's unique needs ensuring precision, care, and sustainable impact for our clients and the environment.

Our Vision

To be the leading provider of Integrated Environmental Solutions by 2030, with a sharp focus on innovation, sustainabilty, & global expansion.

Core Values

Stand True. Build To Last. Rise Higher. Thrive Together. Think Forward.

Purpose

We Treat. We Transform. We Thrive. Building a legacy of solutions for Sustainable Living.