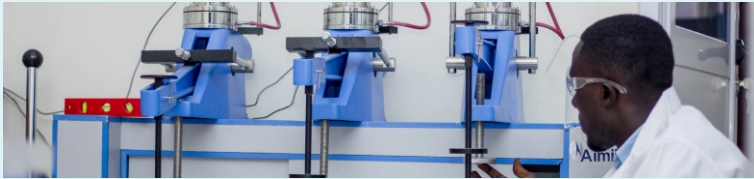




HEUREKA CONSULT

**CIVIL ENGINEERING
LABORATORY**

Expert in Engineering Services



Heureka Consult Civil Engineering Laboratory provides a varied range of civil engineering laboratory testing needed for the construction and mining industry as well as academia. Our state-of-the-art laboratory provides unalloyed quality testing services to our esteemed clientele. We provide both field and laboratory testing in an accurate and precise manner following recognized local and international standards. Our equipment and apparatus are automated and linked with contemporary software that generate timely and precise results and can handle variety of materials.

Heureka Consult Civil Engineering Laboratory is manned by experienced and qualified engineers and technicians who ensure that there are stringent quality control and quality assurance in the results we deliver to our valued clientele with the highest **Timeliness, Integrity, Diligence and Excellence (TIDE)**.

What do we undertake?

We undertake **Quality Assurance (QA)** and **Quality Control (QC)** testing and **Material Research** for our clientele. The services we provide include coarse and fine aggregate testing, soil testing, rock testing, asphalt concrete testing, Portland cement concrete testing, among others.



Coarse Aggregate Testing




Fine Aggregate Testing



Soil Testing




Rock Testing



Portland cement Concrete Testing



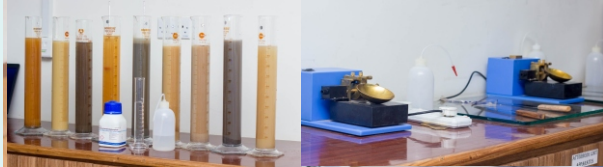
Asphalt Concrete Testing



Bricks, pavers and interlocks



Material Research



Coarse Aggregate Testing

- Gradation
- Moisture Content
- Specific Gravity (S.G)
- Porosity
- Unit Weight (U.W)
- Aggregate Crushing Value (ACV)
- Aggregate Impact Value (AIV)
- Elongation
- Flakiness Index
- Average Least Dimensions (ALD)

Fine Aggregate Testing

- Gradation
- Moisture Content
- Specific Gravity (S.G)
- Porosity
- Unit Weight (U.W)

Soil Testing

- Gradation
- Moisture Content
- Specific Gravity (S.G)
- Porosity
- Unit Weight (U.W)
- Atterberg Limits Test (Liquid Limit / Plastic Limit)
- Shear Strength by Direct Shear
- Triaxial Testing
 - Unconfined Compression (UC)
 - Unconsolidated Undrained Test (UU)
 - Consolidated Undrained Test (CU)
 - Consolidated Drained Test (CD)
 - Permeability in a Triaxial Cell

- Permeability
- California Bearing Ratio (CBR)
- Consolidation
- Field Density
- Compaction Control
- Borrow Pit Investigation
- Standard Penetration Test (SPT)
- Hand Auguring

Rock Testing

- Unconfined Compressive Strength (UCS)
- Point Load Test
- Splitting Tensile Test

Portland cement Concrete Testing

- Mix Design of Fresh Concrete
- Slump Testing
- Unconfined Compressive Strength (UCS)
- Field Compressive Strength of Concrete using Schmidt Hammer
- Splitting Tensile Test
- Flexural Strength Test
- Concrete Cover Test (Profometer)
- Detection of Steel Bars Location in Reinforced Concrete (Profometer)
- Coring of Insitu Concrete

Asphalt Concrete Testing

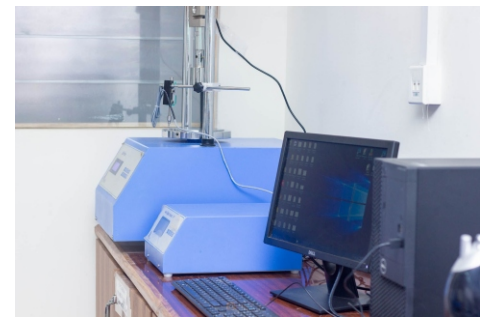
- Marshall Mix Design
- Coring of Insitu Asphalt
- Texture Testing
- Rice Test (Determination of Specific Gravity)

Bricks, Pavers and Interlocks.

- Compressive Strength of Cement and Clay Bricks
- Water Absorption of Bricks







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