

Highway & Concrete Materials Lab

Lab Experiments:

I. Road Aggregates

1. Aggregate Crushing Value.
2. Aggregate Impact Test.
3. Specific Gravity And Water Absorption.
4. Attrition Test.
5. Abrasion Test.
6. Shape Test.

II. BITUMINOUS MATERIALS

1. Penetration Test.
2. Ductility Test.
3. Softening Point.
4. Flash And Fire Point.

III. CEMENT AND CONCRETE TESTS ON CEMENTS:

1. Normal Consistency Of Fineness Of Cement.
2. Initial and Final Setting Time Of Cement.
3. Specific Gravity And Soundness Of Cement.
4. Compressive Strength of Cement. TESTS ON CONCRETE:
5. Workability Test on Concrete By Compaction Factor, Slump And Vee- Bee.
6. Young's Modulus and Compressive Strength of Concrete.
7. Bulking Of Sand.
8. Non Destructive Testing On Concrete (For Demonstration).