

7. Highway & Transportation Engineering Laboratory



Major Equipments:

- Aggregate impact tester with automatic blow counter as per IS 2386(PART-IV), Water absorption, density basket as per IS 2386.
- LOS angles abrasion testing machine as per IS 2386 (P-IV), Pensky materials flash point tester closed cup.
- Laboratory CBR test, Marshall stability and compaction as per ASTM D 1559, Benkleman beam appt.
- Bitumen container 55MM X 35MM, Bitumen container 55MM X 57MM, Bitumen laboratory mixer.
- Clip for open flash point, Thermometer IP60C, Standard penetrometer as per IS 1203.
- Flakiness index as per IS 2386(P-1), Elongation index as per IS 2386(P-1).
- Specific gravity bottle glass for bitumen, Stripping value test apparatus.

Experiment List:

- Tests on highway materials – Aggregates- Impact value, Los-Angeles Abrasion value water absorption , Elongation & Flakiness Index.
- Bitumen & bituminous materials: Specific gravity, penetration value, softening point, loss on heating, Flash & Fire point Test.
- Stripping value test
- Design of B.C. & S.D.B.C. Mix
- CBR Test
- Marshal Stability Test