KCE-651 TRANSPORTATION ENGINEERING LAB

S.No.	Name of major equipment/setup
1	Los Angeles Abrasion Testing Machine
2	Cylindrical Measures
3	Penetrometer
4	Ring and ball point apparatus
5	Density Basket
6	Ductility Mould
7	Ductility testing machine
8	Flakiness index
9	Flash and fire point apparatus
10	Tamping Rod
11	Elongation index
12	Impact testing machine
13	Viscometer
14	Sieve set
15	Thermometer
16	Water bath

LIST OF EXPERIMENTS

KCE-651 TRANSPORTATION ENGINEERING LAB

PART -A (To be performed in lab)

1. To Determine the Crushing Value of Coarse Aggregates.
2. To Determine the Impact Value of Coarse Aggregates.
3. To determine the Flakiness Index and Elongation Index of Coarse Aggregates.
4. To determine the Los Angeles Abrasion Value of Coarse Aggregates.
5. To determine the Stripping Value of Coarse Aggregates.
6. To determine the penetration Value of Bitumen.
7. To determine the Softening Point of Bituminous material.
8. To determine the Ductility Value of Bituminous material.
9. To determine the Flash and Fire Point of Bituminous material.
10. To determine the Stripping Value of Bituminous material.
11. Classified both directional Traffic Volume Study.
12. Traffic Speed Study. (Using a Radar Speedometer or Enoscope).
13. Determination of CBR Value of soil sample in the Lab or in the Field.

Note: A minimum of 8 experiments are to be performed from the list of Experiments.

PART B

1. It is mandatory to perform experiments using a virtual lab wherever applicable.
2. Relevant IRC specifications and codes must be studied.