

LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING (Autonomous)
L.B.REDDY NAGAR, MYLAVARAM-521 230, A.P, INDIA
DEPARTMENT OF CIVIL ENGINEERING

TRANSPORTATION ENGINEERING LAB

Objective:

The course aims to identify the properties of different materials used in highway construction and makes students to categorize the types of materials.

Area of the Lab: 133.2 sq.m

Details of the Equipment:

S.No	Name of the Equipment	Quantity
1	Aggregate Crushing Apparatus	01
2	Length and Thickness Gauges	01
3	Aggregate Impact Test Apparatus	01
4	Deval's Attrition Testing Machine	01
5	Los Angeles Abrasion Testing Machine	01
6	Specific Gravity Test Apparatus	01
7	Penetrometer	01
8	Bitumen Ductility Apparatus	01
9	Ring and Ball Apparatus	01
10	Tar Viscometer	01
11	Benkelman Beam	01
12	Centrifuge Extractor	01
13	Marshall stability test Apparatus	01
14	Flash and Fire Point Apparatus	01
15	Water Bath	01
16	I.S Sieves	20
17	Electronic Balance	01
18	Electric Oven	01
19	Thermo Meter	07
20	Stop watch	02
21	Digital thermometer	02
22	Weighing machine	01
23	Hot plate	01

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Lab Cost:

S.No	Academic Year	Expenditure During This Year (Rs)	Total Expenditure (Rs)
1	2021-22	37,170	8,00,151
2	2016-17	14,171	7,62,981
3	2015-16	7,48,810	7,48,810

Centre Incharge:

Mr.K.Harish Kumar, Assistant Professor, Dept. of CE

Supporting Staff:

Mr.M. Narasimha Rao, Fitter , Dept. of CE



Fig.1 T E Lab Entrance



Fig.2. List of Equipments

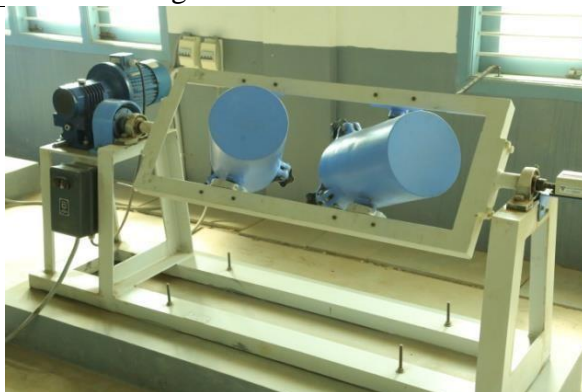


Fig.3. Deval's Attrition Testing Machine



Fig.4 Experiment on Benkelman Beam

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