



**Bharati Vidyapeeth (Deemed to be University)**

**College of Engineering, Pune.**

**Department of Civil Engineering**



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## **Transportation Engineering Laboratory**

### **List of experiments**

<b>Sr. No.</b>	<b>List of experiments</b>
<b>Infrastructure and Transportation Systems</b>	
1.	Aggregate Impact Value Test.
2.	Aggregate Crushing Strength Test
3.	Shape Test (Flakiness Index and Elongation Index)
4.	Los Angeles Abrasion Test.
5.	Specific Gravity and Water Absorption Test by basket method
6.	Stripping Value Test
7.	Penetration Test
8.	Ductility Test on Bitumen.
9.	Softening Point Test
10.	Specific Gravity Test
11.	Bitumen Emulsion Test
12.	Traffic Count Survey
13.	Study of format of household survey and recording sample measurements.
14.	GIS Map for transportation

**Size = 2' X 3 '**

**Qty = 1**



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**List of Equipment**

<b>Sr. No.</b>	<b>Name of Equipment</b>
1.	C.B.R. Test Apparatus
2.	LOS Angle Abrasion
3.	Abrasive Charges Set
4.	Ductility Testing Machine
5.	Density basket
6.	Marshal Apparatus
7.	CBR test apparatus
8.	Thickness Gauge
9.	Length Gauge
10.	Centrifugal Extractor
11.	Tension Compression proving ring 2Kn
12.	200 Tonnes Compression Testing machine
13.	Cleveland flash (open)& fire point apparatus
14.	Automatic Compactor with two moulds
15.	Universal Penetrometer automatic time control
16.	Digital Benkelman beam
17.	Standard Test Sieve ,20 mm dia, spun brass frame size.
18.	Standard Test Sieve ,450 mm dia, G.I. Sheet frame size
19.	Field Density Kit
20.	Ring & Ball Apparatus
21.	Seybold Viscometer (Electrically Heated)
22.	Thickness Gauge
23.	Length Gauge
24.	California Bearing Ratio Test Apparatus

**Size = 2' X 3 '**

**Qty = 1**