

S. No	Name of the Equipment	Quantity (nos.)	Capacity	Purpose	Location	Prof. Incharge for the equipment
1	Electrical Oven	2	250 deg Celsius	Sample Preparation	Transportation Systems Engineering Laboratory,5th Floor ,VMCC	Dr.Avijit Maji/ Dr. Dharamveer Singh
2	Test Sieves	01 Set		Sieving of Fine Aggregate		
3	Bench Mounting Mixer with Accessories,Electronic He	1	2 litres	Mixing of Asphalt Mixture		
4	Digital thermometer	3	: -50 deg C to +300 deg C	Temperature Determination		
5	Electronic Top Loading Balance	3	6 kg	Weighing Samples		
6	Benkelman Beam	2		Determination of Pavement deflection		
7	Friction Tester	1		To find Skid Resistance of Pavement		
8	Thin Film Oven	1		Aging of Bitumen		
9	Axle Weigh Pads	1		Axle Loading Studies		
10	Non Nuclear Density Gauge	1		Measuring Density		
11	Universal Penetrometer	4		Penetration test of Bitumen		
12	Ring & Ball Apparatus	3		Softening Point of Bitumen		
13	Aggregate Impact Value Apparatus	2		Aggrregate Impact Value		
14	Thickness Gauge & Length Gauge	3		Elongation & Flakiness Index of Aggregate		
15	Flash Point Pensky matens Apparatus	2		To find Flash & Fire Point of Bitumen		
16	Serological Water Bath	1	100 deg Celsius	Standardization of Samples		
19	MERLIN	2		Evaluating Road Roughness		
20	Electronic Blance 20 kg., M/S Delmer Sr.No:4903100B	1	20 kg	Weighing of Samples		
21	Marshall Stability Testing Unit	1	50 kN	To find Marshall Stability Value		
22	Dynamic Shear Rheometer	1		Rheological Studies		
23	Straight Edge	1	3.5 m	To Study Rutting parameters		
24	Sand Equivalent Test	1		To find Relative proportions of fine dust in fine aggregate		
25	Dynamic Contact Angle	1		To Study Surface Characteristics		
26	Ductilometer	1		Force Ductility of Bitumen		
27	Computerized Shape and angularity	1		Aggregate Shape Studies		
28	Water Bath	1	Amb+5 deg C to 95 deg C +/-0.5 deg Size: 425x325x100 mm	Standardization of Samples		
29	Sieve Shaker	1		Sieving of Fine Aggregate		
30	Ductility Testing Machine	1	100 cms Testing length	To find Ductility of Bitumen		

31	Video Based Contact Angle Tensiometer	1		Weight-based measurement of contact angle, surface and interfacial tension
32	Accelerated Polishing Machine	1		To Find Skid Resistant And Polished Value of materials
33	Automated CBR Testing Machine	1	50 kN	To find CBR values of a compacted sample
34	Automated CBR mold Compactor	1		CBR Compaction