

S. No	Name of the Equipment	Quantity (nos.)	Capacity	Purpose	Location	Prof. Incharge for the equipment
1	Los Angeles Abrasion Machine	1	53 RPM	Aggregate Abrasion Testing	Advanced Pavement Lab, Room No. 35, Ground Floor, Civil Engineering Department	Dr. Dharamveer Singh
2	Water Bath With Digital Controller	1	6 litres	Sample Calibration		
3	Hot Mix Asphalt Bowl	1	20 litres	Mixing Marshall Samples		
4	Ignition Oven	1	2 kg	To find bitumen content of a Asphalt Mixture		
5	Automatic Compression Testing	1	200 ton	For Compression Testing		
6	BrookField Viscometer & Accessories	1	220 rpm	To find viscosity of Bitumen Samples		
7	Oven	2	250 deg Celsius	Sample Preparation		
8	Specific Gravity & Water Absorption Ur	1	25 litres tank	To find Specific Gravity & Water Absorption		
9	Water Bath With Digital Controller	1	Range: Room Temp to 99.9 . C	Sample Calibration		
10	Freezing Cabinet	1	:-10 deg Cel to Room Temp	Sample preparation		
11	Maximum Specific Gravity Setup	1	10 litres ,6000g sample Weight	To Find Max. Specific Gravity of a sample		
12	Capillary Viscometer	1	40 litres	To find Viscosity of bitumen sample		
13	Bitumen Extractor	1	1.5 kg	fraction of bitumen from Rotary Evaporator Sample		
14	Dynamic Cone Penetrometer	1	3 m	To find in-situ CBR		
15	Moisture Analyzer Balance	1	Upto 220 deg Celsius	To find Moisture Susceptibility of sample		
16	Rotary Evaporator & Accessories	1	2 litres	To separate asphalt and solvent		
17	High Shear Mixer	1	1200 rpm	Mixing of Bitumen Samples		
18	Automated Marshall Sample Compacto	1	6 " & 10 " Mold	Marshall Sample Compaction		
19	Light Weight Deflectometer	1		To Find Resilient Modulus of pavement layers		
20	Specific Gravity Setup & Accessories	1	25 litres tank	find Specific Gravity and water absorption of samp		
21	Automated Marshall Testing Machine	1	50 kN	Marshall Stability and Flow values of a compacted sa		
22	Mechanical Convection Oven	1	Storage Area : 24 cubic feet	Sample Preparation		
23	Abson Bitumen Recovery Setup	1	250 grams	Bitumen Recovery		
24	Pressure Aging Vessel	1		For Aging of Bitumen Samples		
25	Bending Beam Rheometer	1		Used in Rheological Studies		
26	Rotaing Thin Film Oven	1		Used in Rheological Studies		