

**LIST OF EXPERIMENTAL SETUP IN EACH LABORATORY/WORKSHOP**

Sr. No.	LABORATORY NAME	Name of Equipment	Quantity
1	Surveying Lab	Measuring chain 30m 150 Links	3
		Measuring chain 20m 150 Links	3
		Measuring chain 30m 100 Links	3
		Measuring chain 20m 100 Links	3
		Ranging rod 2m steel	5
		Optical Square brass prism type	5
		Optical Square brass reflector prism type	5
		Cross staff aluminium with pole 100 mm	5
		Cross staff aluminium with pole 150 mm	5
		Cross staff brass with pole 100 mm	5
		Cross staff brass with pole 150 mm	5
		100 mm prismatic compass with tripod	5
		125mm prismatic compass with tripod	5
		Dumpy level 300mm dia	3
		Automatic level 24X	3
		Levelling staff	5
		Digital planimeter	2
		Plane table with accessories	1
		Transit vernier theodolite 20"	1
		1" microoptic theodolite with accessories	1
		Electronic theodolite	1
		Laser distance meter	1
Total Station NTS-362L	1		
Etrex - 30X	1		
2	Highway Engineering Lab	Thickness Gauge	1
		Length Gauge	1
		Softening point apparatus	1
		Penetrometer with accessories	1
		Pensky Marten flash point apparatus	1
		Ductility testing machine	1
		Test sieves Dia 30cm (80,40,20,10mm)	1
		Thermometer 10 to 250 degree C	1
		Thermometer 10 to 360 degree C	1
		Thermometer 10 to 110 degree C	1
		Bulk Density measure capacity slit	1
		Test sieves Dia 30cm (60,50,31.5,25,16,12.5,6.3,4.75mm)	1
		Brass Sieves 20cm Dia (90mm)	1
		Sieve Lid & Pan	1
3	Concrete Technology Lab	Laboratory oven	1
		Blain's Air Permeability apparatus	1
		Vicat Apparatus	1
		Digital Compression testing machine	1
		Le chatelier flask	1
		Density basket	1
		Measuring cylinder 100 ml	1
		Measuring cylinder 1000 ml	1
		Sieve Shaker gyratory motorised	1
		Aggregate impact test apparatus	1
		Aggregate crushing value apparatus 7.5cm dia	1
		Los Angeles abrasion testing machine 30.33 rpm	1
Slump test apparatus	1		

		Compaction factor apparatus	1		
		Concrete test hammer	1		
		Ultrasonic pulse velocity	1		
		Digital Balance 30Kg	1		
		Cube moulds	1		
		Cube moulds (70.6X70.6X70.6mm)	1		
4	Geotechnical Engineering Lab	Pycnometer glass	1		
		Liquid limit device	1		
		Core cutter apparatus	1		
		Shrinkage limit apparatus	1		
		Field density apparatus	1		
		Sieve Shaker with timer	1		
		Permeability apparatus	1		
		Direct shear apparatus	1		
		Lab vane shear test apparatus	1		
		Compaction apparatus mould	1		
		CBR field test apparatus	1		
		HOT plate 8" dia	1		
		Mason square	1		
		Level tube	1		
		Pitot tube	1		
		Metal Scoop	1		
		Enamel Tray 600 X450 mm	1		
		5	CAD Lab	Computers	20
				Scanner	1
				Printer	1
6	Public Health Engineering Lab	Digital PH Meter	1		
		Digital Turbidity Meter	1		
		Portable digital dissolved Oxygen	1		
		Flocculator/ Jar test Apparatus	1		
		BOD Incubator	1		
		COD Digester	1		
7	Maintenance and Repairs	Cover Gauge	1		
		Rapid Chloride Permeability Tester	1		
		Crack detection Microscope	1		
		Rapid Moisture meter	1		
		Rebar Locator	1		
		Half Cell potentiometer	1		
		Water Permeability meter	1		
Lateral Extensometer	1				