

S. No	Name of Laboratory	Name of Important Equipment's/Software's
1	<b>Basic Surveying</b>	Steel Tapes 30 Meter ,Engineer's Chain ,Metallic Tape 20 /30metre ,Ranging Rod Steel Chain 30 Meter ,Chain 20 Meter ,Optical Square Indian ,Prismatic Compass Open Type Cross Staff, Dumpy Level 300 Mm, Levelling Staff 4 Meter, Tilting Level ,Planimeter.
2	<b>Concrete Technology</b>	70.6 Mm Cube Moulds ,Curing Tank ,Compression Testing Machine 2000 Kn Capacity ,Le-Chatelier Test Apparatus ,Water Bath ,Electronic Balance/ Scale (300 G, 500g, 1 Kg, 5 Kg, 10 Kg, 15 Kg, 20 Kg Max Capacity) ,Digital Platform Balance, Min 100 Kg Capacity With Battery Back Up ,Is Sieve Set (200 Mm Diameter) ,Is Sieve Set (300 Mm/450 Mm Diameter) ,Thickness Gauge And Elongation Gauge 250 MI, 1000 MI Graduated Glass Cylinder ,Cylindrical Metal Measure ,Water Absorption Test Apparatus For Aggregates Larger Than 10 Mm Or Between 40 Mm And 10 Mm ,Oven ,Vessel For Water Absorption Test Of Aggregates Between Smaller Than 10 Mm Aggregate Impact Test Machine ,Aggregate Crushing Test Apparatus ,Los Angeles Abrasion Testing Machine ,Slump Test Apparatus ,Compaction Factor Test Apparatus ,Flow Table Test Apparatus ,Vee-Bee Consistometer ,150 Mm Cubes Mould And Beam Mould Of 150*150*700 Mm ,Vibrating Table Tray Type ,Concrete Mixer Machine ,Rapid Chloride Penetration Test Apparatus ,Permeability Test Apparatus ,Ultrasonic Pulse Velocity Test Apparatus ,Rebound Hammer ,Trowel, Spatula, Non-Porous Platform For Mixing Of Cement Paste Or Mortar, Poking Rod, Measuring Cylinder, 1000 MI Beaker, Stopwatch, Tempering Rod, Tray, Scoop, Funnel, Filter Paper, 1% Salt Solution
3	<b>Strength of Material</b>	Universal Testing Machine ,Shear Strength Testing Machine ,Izod Impact Testing Machine ,Charpy Impact Testing Machine,,Brinell Hardness Testing Machine ,Rockwell Hardness Testing Machine , Accessories: Vernier Caliper, Meter Scale, Weighing Balance, Weights, Punch, File, Hammer, Screw Drivers, Pliers And Flywheel Accessories: Vernier Caliper, Meter Scale, Weighing Balance, Weights, Punch, File, Hammer, Screw Drivers, Pliers And Flywheel
4	<b>Building Construction &amp; Material</b>	Sieves ,Weigh Machine ,Balance, Tamping Rod, Shovel, Calibration Equipment ,Weighing Machine, Cylindrical Steel Cup, Metal Hammer, Tamping Rod ,Standard Thickness And Length Gauge, Steel Cylinder, Cylindrical Metal, Dial Gauge ,Vicat Apparatus, Gauging Trowel, Stop Watch , Machine, Cube Mould, Poking Rod, Gauging Trowel, Standard Weights, Graduated Glass Cylinders, Non-Porous Plate Utm Machine ,Ventilated

		Oven, Weighing Balance, Sample Of Whole Brick .
5	<b>Advance Surveying</b>	Plane Table With Accessories ,Twenty Second Transit ,One Second Micro Optic , Electronic Digital ,Electronic Distance Meter ,Total Station ,Gps Instruments
6	<b>Theory of Structure</b>	Beam Apparatus Uniformly Distributed Load Setup Dial Gauge Metre Rod Scale , Loading Frame Strain Gauge Beam Setup Digital Force Display Digital Strain Display , Column Buckling Apparatus Hanger Loads Vernier Caliper .
7	<b>Building Planning and Drawing with Auto CAD</b>	Drawing Board With Stand , Computer , Cad Software , Printer ,Lcd Projector With Wall Mount Screen .
8	<b>Soil Mechanics &amp; Foundation</b>	Electronic Balance ,Laboratory Hot Air Over, Cutter, Pycometer, , A Casagrande Apparatus, A Casagrande Apparatus, Is Sieve Set, Laboratory Permeability ,Apparatus (Constant Head And Falling Head), Direct Shear Apparatus, Standard Proctor Test , Cbr Test Apparatus, Apparatus
9	<b>Transportation Engg.</b>	Crushing Machine ,Impact Testing Machine ,Flakiness Index And Elongation Index Of Coarse Aggregates ,Los Angeles Abrasion Machine ,Penetration Value Of Bitumen -Penetrometer ,Softening Point Of Bituminous Material-Ring And Ball Apparatus ,Ductility Value Of Bituminous Material-Ductility Testing Machine
10	<b>Hydraulics</b>	Pressure Measuring Equipments ,Orifices Experiment ,V- Notch Coefficient Of Discharge Of A Weir ,Bernoulli's Experiment Reynold's Experiment ,Determination Of Minor Losses In Pipes .
11	<b>RCC Structure</b>	Drawing Boards, Sheets, Scales, Pencils, Is Codes
12	<b>Electric Vehicles Lab (Basics)</b>	Ac, Dc Clamp Meters, Digital Multimeters, Lux Meters, Screw Driver Toolbox, Vernier Caliper, Micrometer , Ampere Meter, Voltmeter, Tachometer, Resistors, Capacitors , Inductors, Safety Kit, Motors For Electric Vehicleapplication, Ev Machine Cut-Out Section, Ev Mock Layout, Lithium Ion Battery, Lead-Acid Battery, Nickel-Based Batteries (Metal Hydride And Cadmium Battery)., Battery Internal Resistance Meter, Cell Capacity Tester, Bms Setup, Dc Power Supply, Power Diodes, Transistors, Voltage Sensors, Current Sensors , Converter Models, Charging Station Simulator, Ev Technology Layout 3d Poster With Frame.
13	<b>Environmental Engg.</b>	Digital Ph Meter Digital Turbidity Meter B.O.D Apparatus C.O.D Digestion Apparatus Suspended Solids, Dissolved Solids, And Total Solids Measuring Apparatus

14	<b>Electric vehicles (Adv)</b>	<p>Disc Braking And Regenerative Braking System Test Rig , Disc Braking System , Induction Motor , Switched Reluctance Motor , Automotive Wiring System ,Permanent Magnet (Pm) Dc Motors, Lithium Ion And Lead-Acid Batteries , Nickel-Based Batteries (Metal Hydride And Cadmium Battery). , Battery Tester, Battery Charger</p> <p>Battery Management System ,Dc-Dc Converter , Power Analyser ,Bms Setup Dc Power Supply ,Charging Station Simulator ,Ec Unit With Ev Subsystems Facility To Demonstrate The Impact Of The Grid On Vehicle Charging And Vehicle Charging On The Grid.</p>