





S. N O	Name of the Laboratory	Name of the Important Equipment	Important Equipment's Photographs	
1	<b>Building Material &amp; Construction Lab (Under Structural Engineering Lab group)</b>	<ol style="list-style-type: none"> <li>1. Universal Testing Machine, 1000 KN.</li> <li>2. Aggregate Crushing Value Apparatus.</li> <li>3. Le-Chataelier's Apparatus.</li> <li>4. Air Permeability Apparatus.</li> <li>5. Pan type Concrete Mixer 0.5 m<sup>3</sup></li> <li>6. Vicat Apparatus</li> </ol>	 <p data-bbox="915 792 1335 824">Crushing Value Machine</p>	 <p data-bbox="1423 792 1892 824">Universal Testing Machine</p>
2	<b>Concrete Technology Lab (Under Structural Engineering Lab group)</b>	<ol style="list-style-type: none"> <li>1. Compressive Testing Machine</li> <li>2. Compaction Factor Testing Machine</li> <li>3. Flexure Testing Machine</li> <li>4. Slump Cone Apparatus</li> <li>5. Humidity Oven</li> <li>6. Hot Air Oven</li> <li>7. Sedimentation Pipette &amp; Jar Apparatus</li> <li>8. Vibrating Table</li> </ol>	 <p data-bbox="915 1195 1335 1227">Compressive Testing Machine</p>	 <p data-bbox="1377 1195 1835 1227">Compaction Factor Testing Machine</p>

3	<b>Geotechnical Engineering Lab</b>	<ol style="list-style-type: none"> <li>1. Proctor Compaction Test Apparatus</li> <li>2. Relative Density Apparatus</li> <li>3. Core Cutter with Hammer</li> <li>4. Sand Replacement Apparatus</li> <li>5. Permeability Test Apparatus</li> <li>6. Direct Shear Test Apparatus</li> <li>7. Static Cone Penetration Test Apparatus</li> <li>8. SPT &amp; DCPT Apparatus</li> <li>9. Digital Consolidation Testing Machine</li> <li>10. Digital Triaxial Testing Machine</li> <li>11. Digital CBR Testing Machine</li> <li>12. Direct Sheer test machine</li> <li>13. V.C.S. Machine</li> <li>14. Consolidation Testing</li> <li>15. Hydrometer</li> <li>16. Liquid Limit Apparatus</li> <li>17. Shrinkage Limit Apparatus</li> <li>18. Permeability Test Apparatus</li> <li>19. Vane shear Test Apparatus.</li> </ol>	 <p>Front View of Lab</p>  <p>Sample Ejector</p>	 <p>Digital Direct Shear Test Machine</p>  <p>Digital Consolidation Testing Machine</p>
4	<b>Fluid Mechanics &amp; Hydraulic Machine Lab</b>	<ol style="list-style-type: none"> <li>1. Open Circuit Subsonic Wind Tunnel</li> <li>2. Impact of Jet Apparatus</li> <li>3. Orifice Apparatus</li> <li>4. Flow Measurement Apparatus</li> <li>5. Bend Meter</li> <li>6. Reynold Apparatus</li> <li>7. Pitot Static Tube Apparatus</li> <li>8. Pipe Friction Apparatus</li> <li>9. Metacentric Height Apparatus</li> <li>10. Hydraulic Bench</li> <li>11. Centrifugal Pump Test Rig</li> <li>12. Francis Turbine Test Rig</li> <li>13. Kaplan Turbine Test Rig</li> <li>14. Pelton Wheel Turbine</li> <li>15. Hydraulic Flume</li> <li>16. Wind Tunnel</li> </ol>	 <p>Impact of Jet Apparatus</p>  <p>Hydraulic Flume</p>	 <p>Pelton Wheel Turbine</p>  <p>Wind Tunnel</p>

5	<b>Surveying and Geo-Informatics Lab</b>	<ol style="list-style-type: none"> <li>1. Total Stations with Software</li> <li>2. Micro Optic Theodolite</li> <li>3. EDM</li> <li>4. Electronic Theodolite</li> <li>5. Theodolites</li> <li>6. I O P Level</li> <li>7. Dumpy Level</li> <li>8. Auto Level</li> <li>9. Compass</li> <li>10. Planimeter</li> <li>11. Optical Square</li> <li>12. Substance Bar</li> <li>13. Plane Table Complete Set</li> <li>14. Mirror Stereoscope Parallel Bar</li> <li>15. Pocket Stereoscope</li> <li>16. Satellite Data (FCC)</li> <li>17. G.P.S. (Hand Held)</li> <li>18. GIS Software Arc GIS 9.3</li> </ol>	 <p>Total Staion</p>	 <p>Theodolite</p>
6	<b>CAD Lab</b>	<ol style="list-style-type: none"> <li>1.ANSYS</li> <li>2.MATLAB</li> <li>3.MIDAS</li> </ol>		
7	<b>Structure Analysis Lab (Under Structural Engineering Lab group)</b>	<ol style="list-style-type: none"> <li>2. Universal Frame</li> <li>3. Plate Forms with Pave &amp; Bearing</li> <li>4. Bending Moment &amp; Shear Force</li> <li>5. Continuous Beam</li> <li>6. Deflection of Curved Beam</li> <li>7. Elastic Beam</li> <li>8. Portal Frame</li> <li>9. Suspension Bridge</li> <li>10. Shear Centre</li> <li>11. Two Hinged Arch</li> <li>12. Three Hinged Arch</li> </ol>	 <p>Two and Three Hinged Arch Model</p>	 <p>Portal Frame Model</p>

8

**Transportation Engineering Lab**

1. Los Angeles Abrasion Testing Machine
2. Ring & Ball Apparatus
3. Standard Penetrometer
4. Aggregate Impact Tester
5. Ductility Testing Machine
6. Float Test Apparatus
7. Marshall Stability Testing Machine
8. Benkleman Beam
9. Field CBR Apparatus
10. Length Gauge & Thickness Gauge
11. Flash & Fire Point Apparatus



Softening Point Apparatus








Penetration Test Apparatus

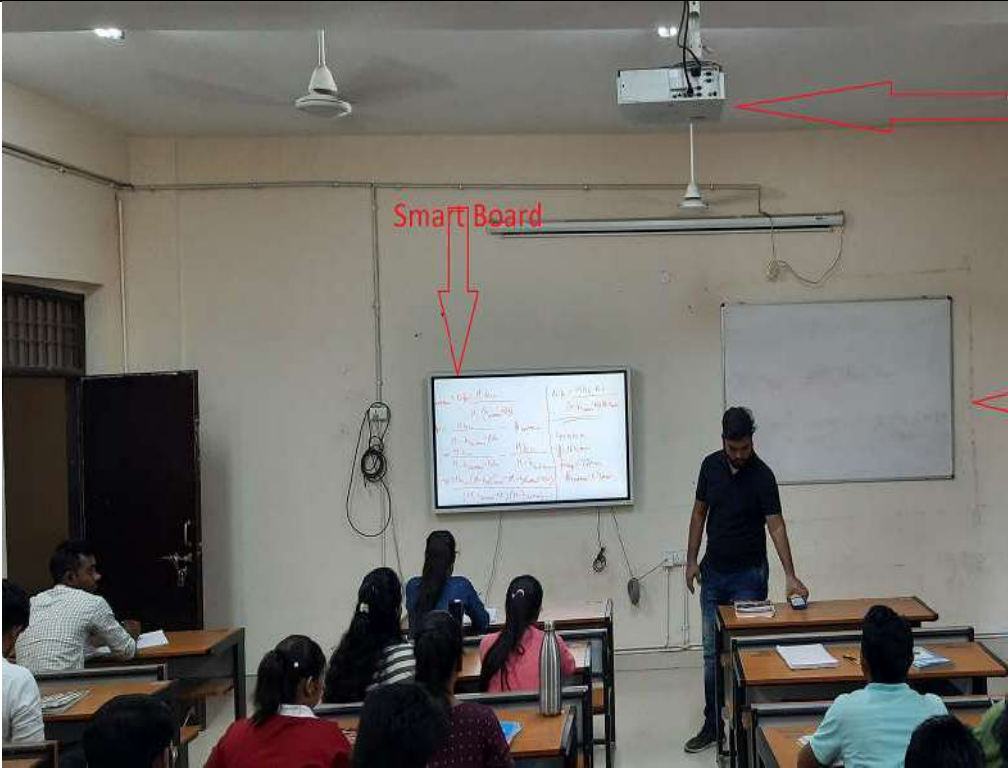






Marshall Stability Machine



Los Angeles Abrasion Machine

9	<b>Environmental Engineering Lab</b>	<ol style="list-style-type: none"> <li>1. Kheldahl Nitrogen Assembly</li> <li>2. Flouride Testing Kid</li> <li>3. TDS Meter</li> <li>4. Nephelometer- Digital</li> <li>5. Dissolved Oxygen Meter</li> <li>6. Digital COD Digester</li> <li>7. Kjeldahl Distillation apparatus</li> <li>8. Electronic Weighing Balance</li> <li>9. Electric Muffle furnace</li> <li>10. Spectrophotometer- UV -VIS.</li> <li>11. Xenon Flash Lamp</li> <li>12. Imhoff Cone Turbidity Meter</li> <li>13. Colour Comparator</li> <li>14. Conductivity Meter</li> <li>15. Sound Level Meter</li> <li>16. PH Meter</li> <li>17. Distilled Water Plant</li> <li>18. Biological Microscope</li> <li>19. B.O.D. Incubator</li> <li>20. Hot Air Oven</li> </ol>		
			<p>Particulate Sampler</p>  <p>DO Meter</p>	<p>Lab Interior View</p>  <p>Muffle Furnace</p>
10	<b>BPD lab</b>	<ol style="list-style-type: none"> <li>1. Computer Systems</li> <li>2. Drawing Tables</li> </ol>		
11	<b>NDT Lab (Under Structural Engineering Lab group)</b>	<ol style="list-style-type: none"> <li>1. Rebound Hammer</li> </ol>	 <p>Rebound Hammer Apparatus</p>	
13				

	<p><b>Class Rooms</b></p>	<ol style="list-style-type: none"> <li>1. White Board</li> <li>2. Digital Board/Smart Board</li> <li>3. Projector with screen</li> </ol>	
<p>14</p>	<p><b>Centre for Environment and Climate Change</b></p>	<p>BOD Incubator.  Water Quality Analyzer  [pH/ORP/Conductivity/TDS/D.O./Temp]  Sound Level / Noise Level Meter  Water Analysis Kit: Multiparameter Measurements  UV Analyzer for BOD, COD, TOC, TSS, NO<sub>3</sub>, Detergent  Microprocessor based pH/Ion Meter IMPORTED with Nitrate &amp; Fluoride ISE  DIRECT C.O.D. MEASURING SYSTEM  Distilled (double) Water Plant  Portable Vertical Autoclave.  Portable Digital Arsenic Analyzer  Respirable Dust Dual Mechanism 2.5 and 10.0 Sampler  Continuous Ambient Particulate and Air Quality Monitoring Station  Portable Gas Analyzer</p>	<div style="display: flex; justify-content: space-around;"> <div data-bbox="915 833 1409 1109">  <p>COD Reactor</p> </div> <div data-bbox="1409 833 1917 1109">  <p>BOD Incubator</p> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div data-bbox="915 1195 1409 1487">  <p>Pastel UV</p> </div> <div data-bbox="1409 1195 1917 1487">  <p>Digital Arsenator</p> </div> </div>

