

LAB FACILITIES IN CIVIL DEPARTMENT OF IIST

Civil Engineering Department at IIST is well equipped with the following laboratories and instruments:

Concrete Material Testing Laboratory:



CMT lab comprises of the following instruments:

Vibrating Table for Concrete
& Cement Cubes



Concrete Mixer



Compaction Factor Apparatus



Digital Compression Testing Machine



Slump Cone Apparatus



Vicat Apparatus



Rebound
Hammer Apparatus



Transportation Engineering Laboratory:



Transportation engineering lab comprises of the following main instruments:

Ductility Test Apparatus



Cement Vibrating Table



Sieve Shaker



Los Angeles Abrasion Apparatus



Impact Value Apparatus



Geotechnical Engineering Laboratory:



The following are some of the main instruments available in our laboratory:

Unconfined Strength Testing Machine



Compaction Machine



Direct Shear Testing Machine



Consolidation Testing Machine



Tri-axial Testing Machine



CBR Test Apparatus



Rapid Moisturemeter



Fluid Mechanics Laboratory:



The following are some of the main equipments that are available in our laboratory:

Metacentric height



Reynold' Apparatus



Centrifugal pump



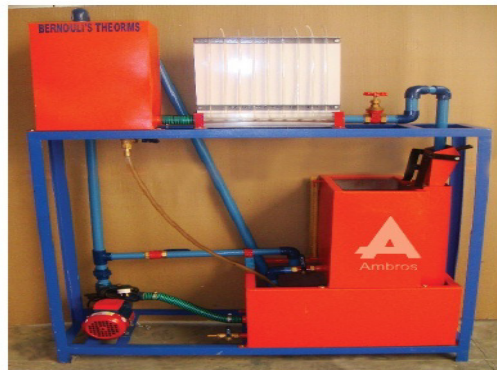
Orifice meter & Venturimeter



Friction In Pipe Lines Apparatus



Bernoulli's Theorem Apparatus



Kaplan Turbine



Environmental Engineering Laboratory:

The following major tests can be performed in our Environmental Engineering Lab:

Water & Wastewater Characteristics Analysis like BOD, COD, DO, hardness, Turbidity, pH, Alkalinity, Chloride etc.



Geology Laboratory:

Geology lab comprises of various stones and charts.



SOM Lab:



The following instruments are available in our laboratory:

<p>Universal Testing Machine</p>	 A photograph of a Universal Testing Machine (UTM) in a laboratory setting. The machine is green and black, with a large circular dial on the right side. It is positioned near a window, and a sample is visible in the testing area.
<p>Impact Testing Machine</p>	 A photograph of an Impact Testing Machine. It features a vertical frame with a pendulum arm and a large circular scale on the left side. The machine is mounted on a base.
<p>Hardness Testing Machine</p>	 A photograph of a Hardness Testing Machine. It is a green machine with a vertical column and a dial at the top. It is placed on a concrete block.