FLUID MECHANICS LAB

Name of Lab In charge I/II: Er. Prem Singh/ Er. Jagjit Kaur

Name of Lab Technician : Mr. Balbir Singh

Name of Lab Attendant : Mr. Sarbjeet Singh

List of Major Equipment's / Software's:

1. Hydraulic Ram
2. Bernoulli's Apparatus
3. Venturimeter
4. Notches
5. Fraction Through Pipes Apparatus
6. Orifice Plate / Mouthpieces for Hydraulic Coefficients
7. Adjustable Channel

Floor Area: 135m2

Courses Undertaken in the Lab:

1. Fluid Mechanics & Machinery Laboratory (LPCME - 106) – 4th Semester.
2. Fluid Mechanics and Machinery Laboratory (LPCPE - 103) – 4th Semester.
3. Fluid Mechanics Laboratory (LPCCE-102) – 3rd Semester.

Fig.1: Hydraulic coefficient of Orifice Plate Apparatus

Fig.2: Pitot tube Apparatus

Fig.3: Free and Forced Convection Apparatus

Fig.4: Bernoulli's Theorem Apparatus

Fig.5: Friction through Pipes Apparatus

Fig.6: Venturimeter Apparatus

Fig.7: Sudden Enlargement and 90° Bend Apparatus

Fig.8: Hydraulic Ram