

# FLUID MACHINERY LAB

Name of Lab In charge I/II : Er. Prem Singh/ Er. Harnam Singh Farwaha

Name of Lab Technician : Mr. Balbir Singh

Name of Lab Attendant : Mr. Sarbjeet Singh

List of Major Equipment's / Software's:

1. Pelton Turbine
2. Francis Turbine / Kaplan Turbine
3. Centrifugal Pump Test Rig
4. Reciprocating Pump
5. Centrifugal Blower Test Rig
6. Adjustable Tilting Flume

EQUIPMENT BEYOND THE SYLLABUS

1. Turgo Impulse Turbine
2. Open Circuit Wind Tunnel
3. Adjustable Tilting Flume

Floor Area: 243m<sup>2</sup>

Courses Undertaken in the Lab:

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



Fig.1: Francis Turbine



Fig.2: Turgo Impulse Wheel



Fig.3: Pelton Turbine



Fig.4: Reciprocating Pump Test Rig



Fig.5: Centrifugal Pump Test Rig



Fig.6: Centrifugal Blower Test Rig





Fig.7: Kaplan Turbine



Fig.8: Adjustable Tilting Flume