



**Fluid Mechanics and Machinery Laboratory**

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**Technical supporting staff** : Mr. R. Udhayakumar.





**Major Equipments:**

1. Orifice meter (0.37/0.5 KW/HP, 3.7A, 50Hz, H.Range:12.8/20m).
2. Venturimeter (0.37/0.5 KW/HP, 3.7A, 50Hz, H.Range:12.8/20m).
3. Gear oil pump (75/1.0 KW/HP, 7A, 240V, , 50Hz, 1440 rpm).
4. Pelton wheel turbine (3.7/5 KW/HP, 8.3A, 2820 rpm, T.head:35/44m, Discharge:700/450 lpm).
5. Kaplan Turbine (3.7/5 KW/HP, 8.2A, 1440 rpm, T.head:6/10m, Discharge:2840/1500 lpm).
6. Rotameter.
7. Pipe friction (0.37/0.5 KW/HP, 3.7A, 50Hz, H.Range:12.8/20m).
8. Centrifugal pump(75/1.0 KW/HP, 4.8A, 240V, 50Hz, 2880 rpm, H.Range:12.8/20m).
9. Reciprocating pump (75/1.0 KW/HP, 4.8A, 240V, 50Hz, 2880 rpm, H.Range:12.8/20m).
10. Francis turbine (3.7/5 KW/HP, 8.3A, 2880 rpm, T.head:6/10m, Discharge:10.0lps).
11. Submersible Pump.