The Set-up is designed to study the performance of Submersible Pump. The Set-up consists of a Submersible Pump coupled with electrical motor, supply tank, measuring tank & pipe fittings for closed loop oil circulation. Pressure and Vacuum Gauges are connected on delivery and suction side of pump for the purpose of measurement. The flow rate of water is measured using measuring tank and stop watch provided.

EXPERIMENT:

1. To determine overall efficiency and pump efficiency of the Submersible Pump
2. To plot Head vs. Discharge, Pump efficiency vs. Discharge

FEATURES:

1. Closed loop water circulation 2.Compact & stand alone set-up
3. MS Excel sample calculation program on demand
4. Stainless Steel tanks and wetted parts
5. Superb painted structure
6. Simple to Operate & Maintain

TECHNICAL SPECIFICATIONS:

1. Product : Submersible Pump Test Rig
2. Pump & Drive : Submersible Pump, Capacity 1 HP
3. Supply Tank : Capacity 90 Ltrs. MOC SS
4. Measuring Tank : Capacity 60 Ltrs. MOC SS fitted with Piezometer Tube & Scale
5. Piping : GI / PVC
6. Stop Watch : Electronic
7. Control Panel : With required electrical instrumentation

The whole Set-up is well designed and arranged in a good quality painted structure

UTILITIES REQUIRED:

1. Electric Supply: - Provide 230 +/- 10 VAC, 50 Hz, Single Phase Electric Supply with proper earthing. (Neutral – Earth voltage less than 5 VAC), 5 A, three pin socket with switch for pump.
2. Water Supply: Tap water connection ½ “ BSP, Distilled water @ 90 Ltrs. (Optional)

Note: Specifications are subject to change.

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