



Hydro Turbine Energy Generator

Nvis 6018A

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Nvis 6018A Hydro Turbine Energy Generator is a useful training product to learn the fundamentals of Hydro Turbine. A Hydro Turbine is a rotary machine that takes energy from flowing water. Water directly flows on blades of a turbine runner which creates a force on the blades. Since the runner is spinning, the force acts through a distance (force acting through a distance is the definition of work). In this way, energy is transferred from the water to the turbine. A nozzle is provided on the side of the casing to strike water on the turbine blades. Here the kinetic energy is converted into electrical energy by turbine. Nvis 6018A demonstrates the application of Pelton wheel turbine by which electricity is generated to run different types of loads.

Features

- A complete demonstration of conversion of mechanical energy into electrical energy.
- Good quality pelton wheel in double hemispherical cup/bucket.
- Provided with DC load bank.
- Robust and transparent casing to observe pelton wheel rotation with changing water flow.
- Rust proof 304 grade SS tank for storing water.
- Easily transportable.

Technical Specifications

Water Pump	:	0.5HP, Single Phase, 50Hz
DC Load bank	:	4 lamps of 24V, 21watt
DC output	:	20V, 700mA
Pelton wheel	:	100mm
Nozzle Diameter	:	5mm
Sump Dimensions (mm)	:	L500 X W315 X H250 mm

Designed & Manufactured in India by

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