



THE LAB EQUIPMENT

Email : sales@thelabequipment.com

Phone: +91-8759245890

Product Name :

Demonstration Pelton Turbine

Product Code :

SLE/MCE/35



Website: <https://thelabequipment.com>, **Email:** sales@thelabequipment.com

plot. no.296. Sector 5. Vaishali. Ghaziabad. Uttar Pradesh 201010



THE LAB EQUIPMENT

Email : sales@thelabequipment.com

Phone: +91-8759245890

Description :

Features:

- Water turbines are turbo machines utilizing waterpower.
- The Pelton turbine is a type of impulse turbine; such turbines convert the pressure energy of water into kinetic energy entirely in the distributor.
- During the conversion, the water jet is accelerated in a nozzle and directed onto the blades of the Pelton wheel tangentially.
- The water jet is redirected by approximately 180° in the blades.
- The impulse of the water jet is transmitted to the Pelton wheel.
- The turbine torque is determined by force measurement on a band brake and is read on spring balances.
- For measuring the rotational speed, a non-contact speed sensor, is required.
- A manometer shows the water pressure at the turbine inlet.

Specification:

- Pelton turbine
- **Output:** 5W at 500min⁻¹, approx. 30L/min, H=2m
- **Pelton wheel:** 14 blades
- **Blade width:** 33,5mm
- **External Ø:** 132mm
- **Jet diameter:** 10mm
- **Dimension:** 1000-x800 x 1200 mm
- **Weight:** 90kg

Measuring ranges:

- **Force:** 2x 0...10N
- **Pressure:** 0...1bar

Contact Science Lab for your Educational School Science Lab Equipments. We are best school lab equipment supplier, school lab equipments, school lab equipments export, school lab equipments exporter, school lab equipments manufacturers, school lab equipments manufacturers in india.