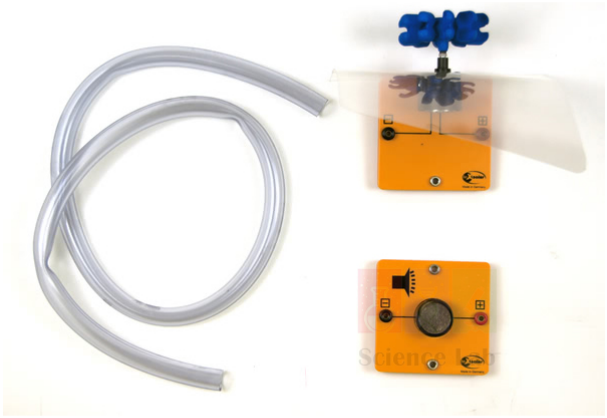
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**Product Name :**

Solar Hydropower Basic

**Product Code :**

SLE/PHY/211



## Description :

**Solar Hydropower Basic** (Product Code: SLE/PHY/211) is a beginner add-on set used to teach how a small hydropower plant turns moving water into electricity, both in the classroom and outdoors. Built around a water wheel module with a Pelton turbine and an attached hose, it is a hands-on science kit for primary school and junior high classes that already use the Basic series base kits. It is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

### Specifications

| Parameter | Detail |
|---|---|
| Kit type | Hydropower add-on set for the Basic series, beginner level |
| Turbine | Water wheel module with Pelton turbine |
| Water connection | Attached hose; silicone tube 12 mm |
| Output indicator | Buzzer module |
| Experiment style | Qualitative and quantitative experiments, indoors or outdoors |
| Required base kit (not included) | Solar Minikit Basic for primary school, or Solar Kit Basic for junior high school; each contains all necessary accessories |
| Packing | Carton with Hydropower Basic insert |
| Documentation | Layout diagram Hydropower Basic; info sheet for initial startup |
| Product code | SLE/PHY/211 |
| Manufacturer | Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India |

Components supplied in the set:

- 1 x Water wheel module
- 1 x Buzzer module
- 1 x Silicone tube 12 mm
- 1 x Insert Hydropower Basic
- 1 x Carton
- 1 x Layout diagram Hydropower Basic
- 1 x Info sheet for initial startup

### What Is the Solar Hydropower Basic Used For?

The Solar Hydropower Basic is used to introduce hydroelectric power through short, playful experiments. Water is led through the hose onto the Pelton turbine of the water wheel module, the turbine turns, and the electricity it produces sounds the buzzer module, so students can see and hear the energy conversion. From there, classes explore the basic characteristics of a hydropower plant, first qualitatively and then with measurements.

Younger pupils work with the Solar Minikit Basic, while junior high students connect the set to the Solar
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