

Mini Hydro Development

The Ceylon Electricity Board (CEB), says the country's energy production is to increase significantly over the next decade. This production is to be mainly covered by the consumption of fossil fuels, especially coal, which poses a threat for the country's energy independence as well as for its environment and people. As an alternative the construction of small-scale hydroelectric power plants that are harmless for the existing environment produced electricity is distributed within the CEB's network. This as said is environmentally safe and a sound technology, and one of the best forms of low impact renewable energy available today. As a result the below mentioned plants have been developed by one of the producers of clean energy, the Hydrodynamics (Pvt) Ltd. It constructs, operates, and commissions Mini hydro Power plants and supplies Electricity to the National grid on a Regulated Water way under the Mahaweli Development Program of Sri Lanka. Below are projects run by Hydrodynamics (Pvt) Ltd.

- Atabage Mini Hydro Power Plant of 2.2 MW
- Lower Atabage Mini Hydro Power Plant of 0.350 MW
- Galatha Oya Mini Hydro Power Plant of 1.2 MW
- Kolapathana Mini Hydro Power Plant of 1.1 MW
- Lenadora Mini Hydro Power Plant of 1.6 MW
- Lower Atabage – II Mini Hydro Power Plant of 1.5 MW

These plants help Sri Lanka promote sustainable development by

- Mitigation against climate change by using clean and renewable energy.
- Reduction of atmospheric pollution and environmental problems.
- Increasing employment opportunities during the construction and operation phases of the project.
- Contributing to roads maintenance and repairs as the plants obtain economical stability.
- Diversifying sources of electricity generation in the country.
- Helping the Government to achieve its commitment to environmentally and economically sustainable development by providing private sector support for renewable energy

Contribution to MDP: - There is an opportunity for placement of students to address sustainable development issues at some of these ongoing projects.

Masters in Development Practice (MDP)
Internships arranged by the Foundation for Environment, Climate and Technology,
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