

Renewable Energy For Energy Security

Lh. Atoll Education Centre



Aim: Implementing new technologies that uses renewable resources for our increasing demand.

Objectives:

- To utilize the freely available natural resources for our energy needs.
- To reduce the carbon emission.
- To decrease our demand in non-renewable fuels.

Our country has good supply of renewable resources such as solar, wind and tides including them to generate electricity will lighten our energy security. Solar Energy would be a better option to produce electricity among these, since the insolation is more. The growing technology will help us to choose our alternatives for our energy demand.

Solar PV projects:

- 683kW STELCO 6 island projects
- 70kWp Billabong High EPS international school and
- 25kWp Ministry of Environment and energy Maldives green building
- 30kWp University of Milano Bicocca
- 200kWp Dh.kudahuvadhoo and 116kWp R.Ungoofaaru
- 14kWp AA.Ukulhas
- 17kWp Guest house in K.Maafushi ,Whiteshell island hotel and spa
- 10kWp Maldives National University S.Hithadhoo

Programmes which can be carried out in Schools:

- Distribute posters and leaflets to increase awareness
- Installing solar panels in schools
- Can conduct workshops
- Call for projects , presentation and models

Recommendations

- Installing solar panels in schools and health centers
- Solar power – diesel powered hybrid boat
- Solar assisted Air conditioner systems for private houses
- Solar street lights

