

Promoting Energy Independence

The Role of the Foundation: Knowledgeable Experts and volunteers of the Foundation shall help the poor citizens use the locally available resources and come up with methods to develop suitable and adequate energy sources to enable progress. Being a strong proponent of eco-friendly and green earth, the Foundation shall advocate renewable and alternate sources of energy that is affordable and is easily available in the area where this mission is helping. Even arid lands can be cultivating plants such as Jatropha that does not require much water and will yield sufficient bio-diesel that can be also a steady source of revenue for the rural cooperative.

Location specific: Based on the terrain, (Hill / Coastal / Forest / etc.) the type of energy source may vary and the way it can be harnessed shall also suit the core competence of the people living in those areas. Providing appropriate training will help overcome the lack of local expertise to harness these energy sources.

Energy basic to economic growth: Any economic activity requires some form of energy to keep it going forward. Be it running a nodal center to provide access to outside markets, knowledge connectivity, etc. or transporting people and products from one place to another, or processing food and developing any consumables, etc. The huge energy demand of the growing world is monumental.

Any Economy is driven by Energies

Alternative sources of energy:

[1] Solar Energy

[2] Wind Energy

[3] Bio-fuel / Bio-diesel

[4] Bio-gas

[5] Municipal / Industrial Waste

Practical solutions: Waiting for major investments and expecting the solutions to solve the energy demand from a central location to enrich the world may take several more decades. But there are viable and sustainable options that can provide alternatives to centralized energy generation and supply.

Renewable Resources: Using locally available resources such as bio-mass, growing plants such as jathropha plant, algae farms, setting up solar photovoltaic cells, wind turbines, tapping geothermal energy, etc. are some of the alternative energy solutions that can be instituted, based on the location, available resources, etc.

Affordable and cost-effective: These alternative sources of energy may enable lowering the cost of energy generation, making them affordable in most locations. By learning to harness renewable and naturally available sunshine, wind, bio-mass, etc. the rural communities will reduce carbon emissions and lead the way in carbon neutral living.

Energy independence: A number of the Foundation volunteers [individuals and institutions] having expertise in alternatives and renewable sources of energy shall help evaluate the existing energy sources, estimate future demand and come up with sustainable solutions that each can implement and maintain their energy independence.