

ISBN: 9781638069560

CHAPTER TWO



Diffusion of Clean Energy Products for Sustainable Livelihood of People in South Odisha

Shiv Sankar Das

Abstract

Ending poverty and ensuring sustainability are the defining challenges of the recent times. Clean energy has the answer to both (Das, 2020). Clean energy plays a significant role in human development, economic and regional development. Clean energy is that which do not produce any negative externalities. Some of the clean energy includes energy generated from sun, wind, hydro, tidal etc. This paper discusses on the prevailing market situation and demand prospects of clean energy products (here solar operated lights) in the region of South Odisha. An empirical study was carried out through structured questionnaire to understand the perception of the respondents towards adoption of solar operated lights for their use.

Key words: Solar Operated Lights, Clean Energy, South Odisha

Clean Energy and Clean Energy Products

Clean energy is that energy which does not produce any negative externalities. "As an example, electricity when used at household level for cooking does not produce noxious gases like that from wood or coal or kerosene. Hence, electricity is a clean energy and wood, coal and kerosene are unclean energy. The production of clean energy may use processes with varying degree of cleanliness. For example, electricity generated from coal follows many unclean processes including coal mining, transportation,