

Appropriate Solar Energy Technology Applications in Developing Nations such as Bangladesh

Rafiqul Islam

Technology Manager, Hussmann Asia Pacific, Sydney, Australia

²Principal Consultant, Solar E Technology International, NSW, Australia

E-mail: rafiquel.islam@solar-e-technology.com

Abstract

This article overviews solar energy technology offering development opportunities in the context of social and economic development of nations such as Bangladesh. Opportunities can offer balance of economic developments both in urban and rural settings. In urban areas, the potential for emergency solar power supply replacing traditional grid charged system can reduce energy and environmental impact by double to the national grid. Small scale solar electric transports can reduce urban air pollution together with improving fossil fuel power plant environmental impacts through centralized pollution management at the plant. Remote area power supply can offer enormous opportunities in de-urbanization, poverty elimination via job creation, education, medical services, other modernization of rural settings. It can support decentralization of business activities throughout the nation which can bring social equality and sustainability.

Keywords: Solar Energy Technologies, Urban emergency power, Sustainable rural development, Rural Poverty Elimination.