

# **Feasibility Study of Solar Energy in Bangladesh for Sustainable Development**

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## **Abstract**

Bangladesh, a developing country is facing difficulty to achieve an overall sustained progress in the economy due to the lack of a sound energy security. Immense quantity of energy is needed for the development and economic progress of the country. In this context, alternatives of conventional energy sources, renewable energy resources can be the sustainable solution for the energy security. The current demand for energy considerably increasing that was close to exceed the provision and forecast determines that this projection are going to be enlarged additional in close to future. Within the case of the rising energy drawback in Bangladesh, renewable energy particularly solar energy will play a major role during this case. This paper presents the summary of the renewable energy resources in Bangladesh and also the proportion of solar energy feasibility. It will additionally provide the key points of obstacles to implement the use of solar energy in Bangladesh and moreover as government policies and future conceive to overcome this case. When considering all the matter, the solar energy in some regions is satisfactory to operate pumps and additionally for generation of electricity. In this paper, future prospect of solar energy in Bangladesh have been reviewed comprehensively and presented. This work compiles latest literatures in terms of journal articles, conference proceedings, web materials, reports, books, thesis, handbooks on energy and renewable energy resources in Bangladesh.

## **Keywords**

Solar energy, renewable energy; sustainable development; energy policy