



## Solar Energy initiatives: Experiences from India

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### Abstract:

**Introduction:** Indian economy has been witnessing a phenomenal growth since the last decade. In an effort to meet the demands of a developing nation, the Indian energy sector has witnessed a rapid growth. However, the country lacks sufficient domestic energy resources, and must import much of its growing requirements. Given this scenario, it is of paramount importance that the country develops all possible domestic energy sources. At the same time, India is still heavily dependent on fossil fuels which is set to lead to multiple challenges like depletion of fossil fuel reserves, global warming and other environmental concern. Renewable energy, particularly solar is the solution to the growing energy challenges as they are abundant, inexhaustible and environmentally friendly. Given the vast potential of solar energy in India, all it needs is comprehensive policies.

### Conclusion

It has been seen that there are many programs and policies which have been initiated by the Indian government, both at the National and the State level for promoting solar energy, but its use and production in the country is still limited. On studying some of the initiatives of the central and selected state governments, it was found that there were many impediments experienced by both the beneficiaries and the government. Some of the impediments reported were



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poor availability of information, high costs, poor awareness levels, tedious and time consuming process of getting subsidy and so forth. Thus, there is an urgent need to take steps to minimize these impediments and generate awareness among the stakeholders regarding the government initiatives, so that solar energy can be tapped to its best possible extent.

### Biography:

Dr. Meenal Jain is currently working as Assistant Professor in the Department of Resource Management and Design Application, Lady Irwin College, University of Delhi, India. For her doctoral research, she had worked in collaboration with School of Planning, Design and Construction, Michigan State University, USA, for which she was awarded gold medal. She has also been writing papers for various conferences and journals in the area of renewable energy and green buildings and has presented several papers in national and international symposia and conferences. In addition, she has co-authored several chapters in the book on Resources and Sustainability published by Blackswell Publication. Dr. Jain continues to progress her passion for research and writing. Her interest areas include Resource Management, Health and Safety in Built Environment, Climate change, Technologies for sustainable development and environment management.

Earth and Environmental Sciences 2020; June 05-06, 2020; Zurich, Switzerland

**Citation:** Meenal Jain, Solar Energy initiatives: Experiences from India, Earth and Environmental Sciences 2020; June 05-06, 2020; Zurich, Switzerland