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Golden Jubilee Lecture Series

Clean energy for Sustainable Development in India

by

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Abstract

Energy is critical and people with no sustainable access to energy are deprived of the opportunity to become part of national and global progress. And yet, one billion people around the world live without access to energy. India is projected to be a significant contributor to the rise in global energy demand. The main aim of encouraging the use of renewable energy in India is to advance economic development, improve energy security and mitigate climate change. Sustainable development goal can be achieved by use of sustainable energy and by ensuring access to affordable, reliable, sustainable, and modern energy for citizens. Strong government support and increasing opportunity of using sustainable energy have pushed India to be one of the top leaders in the world's most attractive renewable energy market. Lack of access to energy supplies and transformation systems is a constraint to human and economic development. Increased use of fossil fuels without actions to mitigate greenhouse gases will have global climate change implications. Energy efficiency and increase use of renewable resources contribute to climate change mitigation and disaster risk reduction. One of the greatest global challenges is to integrate environmental sustainability with economic growth and welfare by decoupling environmental degradation from economic growth.

The Indian government has designed policies and programs to attract investments to ramp up the country in the renewable energy market at a rapid rate. It is anticipated that the renewable energy sector can create a large number of domestic jobs over the following years in India. There are various obstacles faced by the renewable sector.