

## **RENEWABLE ENERGY: TARGETS, CHALLENGES AND SCOPE FOR INDIA'S RURAL DEVELOPMENT**

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### **ABSTRACT**

The paper analyses the role of two biggest sources of renewable energy that is biomass energy and solar energy to address the issues of rural electrification and rural cooking systems. The solutions provided by these two sources of renewable energy can contribute a great deal in providing a means of; mitigating health hazards, reducing burden on women and decreasing environment impact. The paper also focuses on government's ambitious goals for 2022, the targets achieved, the challenges in achievement and the policy options available. Finally the paper looks at some successful implementations of the renewable energy solutions in rural India.

**KEYWORDS:** Renewable Energy, Rural Development, Solar Energy, Biomass energy.

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### **References**

A Project of UNDP Global Environment Facility Project of the Government of India, March 2001 "India Biomass Energy for Rural India"

A.K. Vinodiya and Nazamuddin.; "Promotion of Renewable Energy In Rural India", ITPI Journal, 3: 2, 2006

A.K. Rajvanshi; "Sustainable Energy for India's Rural Development", International Energy Conference, Beijing, November 2007

Ministry of New and Renewable Energy, Government of India, "Strategic Plan for New and Renewable Energy Sector for the Period 2011-17, Feb 2011

"Report of the Expert Group on 175 GW RE by 2022", Report compiled by National Institute for Transforming India

"Renewable Energy and Energy Efficiency Status in India", Report compiled by ICLEI South Asia, May 2007

S.P. Srivastava and Srivastava S.P.; "Solar Energy and its Future Role in Indian Economy", International Journal of Environmental Science: Development and Monitoring, Vol. 4(No 3), 2013

T. Buragohain.;” Impact of Solar Energy in Rural Development in India”, International Journal of Environmental Science and Development, Vol. 3, No 4, August 2012

[http://www.censusindia.gov.in/2011-Common/Latest\\_Releases.html](http://www.censusindia.gov.in/2011-Common/Latest_Releases.html)

<http://www.indiaenergyportal.org/>

<http://www.worldenergyoutlook.org/india/>