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A STUDY ON BIOMASS ENERGY RESOURCES, POTENTIAL, RENOVATION AND RULE IN INDIA

Dr Durgesh Wadhwa*

*SBAS, Sanskriti University,
 Mathura, Uttar Pradesh, INDIA
 Email id: hodchem@sanskriti.edu.in

ABSTRACT

The biofuel production resource, potential, energy conversion, and strategy for promotion adopted by the Indian government are addressed in this message. As of March 31, 2013, India's total installed capacity for electricity production was 2666GW. Renewable energy accounts for 10% of total generation, with biomass accounting for 12% of total power production. India has a surplus of agricultural and forest land, resulting in an annual biomass availability of approximately 500 million metric tons. The overall capacity of biomass power production in India is 17,000 MW. At the moment, 2660 MW of electricity is produced, with 1600 MW coming from cogeneration. This study also discusses the different types of biomass in India. According to the study, India has a huge potential for bio mass feed supply from several sources. The Indian government implemented several policies and initiatives for biomass power production. Such regulations have covered the whole biomass energy industry, including biogas, biodiesel, and other biofuels. With strategic strategy and program, the Government of India has concentrated on the deployment and promotion of biomass energy, which is a significant part of this research study.

KEYWORDS: *Biomass, Energy, India, Renewable, Power.*

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