Assessment of Bio-Energy Potential for Distributed Power Generation from Crop Residue in Indian State Punjab

Abstract

In India, renewable energy sources are now developing at fast speed. Especially energy generation using Biomass resources is one of the area in which Researchers & Governments are concentrating. Agricultural residue/waste is the main source of Biomass energy. A large amount of crop residue biomass is generated in India. The amount of residue varies geographically. As the Punjab state is the agricultural rich state of India, so the information collected in this study is about assessment of the Biomass potential in Punjab for power generation using local Biomass Power Plant to meet the demand & supply requirements. A sample study has been presented in this paper. By using the concept of power generation at local (distributed) level, the economic & social status of the society will be raised as this will create the employability to the local people.
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Index Terms

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