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Authors:

Harpreet Kaur Channi

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Abstract

Being an agribusiness rich state, Punjab has colossal capability of biomass asset accessibility as harvest buildups. Around 63. 514 Mt/yr of the aggregate yield deposit is produced from different major and minor harvests, of which around 71% is devoured in different structures, bringing about 29% as an issue surplus accessible for power generation. Fundamental surplus and net surplus yield buildups for power generations potential were assessed in each one region. Jalandhar, Patiala Sangrur, Ferozpur, Amritsar, and Ludhiana are the real surplus biomass potential locale, while Rupnagar, Nawashahar, Hoshiarpur, Fatehgarh Sahib, Faridkot and Kapurthalla are minimum surplus biomass potential locale inside the state. In this paper the regular accessibility, present utilization of essential yield deposits are assessed in each one region of the Patiala district. It has been assessed that around 113. 45 MW and 109. 58

MW of power in the state can be created through fundamental surplus and net surplus biomass individually in the Patiala district

Refer

ences

- Chauhan, Suresh; (2010), "Biomass resources assessment for power generation: A case study from Haryana state, India" Biomass and Bioenergy (34), pp. 1300-1308 elsevier
- Chauhan, Suresh; (2012), "District wise agriculture biomass resource assessment for power generation: A case study from an Indian state, Punjab" Biomass and Bioenergy (37), pp 205-212.
- Das, Subhrabaran; Jash, Tushar; (2008), "District-level biomass resource assessment: A case study of an Indian State West Bengal" Biomass and Bioenergy (33), pp 137–143.
- Sheth N. Pratik, Babu B. V. (2009), "Experimental studies on producer gas generation from wood waste in a downdraft biomass gasifier" Bioresource Technology (100) pp 3127–3133
- Fu Weiguo , Wu Yanyou (2011), "Estimation of aboveground biomass of different mangrove trees based on canopy diameter and tree height" 3rd International Conference on Environmental Science and Information Application Technology (ESIAT 2011) Procedia Environmental Sciences (10) pp 2189 – 2194.
- Bhattacharya S. C. ; Jana Chinmoy (2009), "Renewable energy in India: Historical developments and prospects" Energy (34) pp 981–991.
- Zuberi, M. J. S. ; Hasany, S. Z. ; Tariq, M. A. ; Fahrioglu, M. (2013) "Assessment of biomass energy resources potential in Pakistan for power generation" fourth International conference on Power Engineering, Energy and Electrical Drives (POWERENG), pp 1301-1306.
- Tripathy, P. ; Ghosh, B. ; Panigrahi, C. K. ; Mishra, S. (2015), "A study on the choice and potential of biomass in the state of Odisha", International Conference on Electrical, Electronics, Signals, Communication and Optimization (EESCO). pp. 1-6.
- Glavas, H.; Ivanovic, M. ; Mandic, N. Energy, (2014), "Resources and possibilities of agro biomass usage for energy purpose in Slavonia region (Croatia)", IEEE International Energy Conference (ENERGYCON), pp 1150-1155.
- Al-Soud, M. S. ; Alsafasfeh, Q. H. (2015), "Economical evaluation for various renewable energy products in Jordan" 6th International Renewable Energy Congress (IREC), pp. 1-4.
- Shuma, R. M. ; Madyira, D. M. ; Makonese, T. N. ; Oosthuizen, G. A. (2015), "Energy content and combustion behaviour of loose biomass available in Limpopo" International Conference on the Domestic Use of Energy (DUE), 2015 pp. 93 – 100.
- Pelinck E. "Indian improved cook stoves: a compendium", Regional wood energy development program in Asia. Food and Agriculture Organization (FAO) of the United Nations; 1993. pp. 78 - 81.

Index Terms

Computer Science

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Keywords

Agribusiness Aggregate Surplus Potential Fundamental Harvest Deposits