

Generate Electricity by using Waste Material

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Abstract: *The surge in waste production in India poses significant environmental and health risks, spurring the urgent need for innovative solutions to manage garbage safely. Addressing this challenge, we propose a novel approach: harnessing solid waste to generate electricity. This method offers a dual benefit by not only mitigating pollution but also curbing the emission of hazardous gases such as CO₂, CO, SO₂, NO₂, and heavy metals like mercury on a large scale. With India's vast population contributing to substantial daily waste generation, this idea holds immense promise. A comprehensive research initiative was initiated to map out the extent of waste production across the country. Interestingly, historical precedents were uncovered, revealing instances where local communities had successfully generated electricity through similar means. Bolstered by this discovery, our project aims to build upon this foundation and spearhead the integration of Waste to Energy initiatives in India*

Keywords: Solar Panels, Heating Sensor, Electrostatic Precipitator, Voltage Stabilizer

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