

# Power Generation from Kinetic Energy of Exhaust Gases

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**Abstract:** - Mankind has relied on fossil fuels for their energy needs for a long time. Reckless usage of these fuels has caused immense amounts of pollution and continued usage can lead to irreversible damage to the environment. In such circumstances, any step towards reducing the consumption of fuel or at the least making sure that most of the energy produced by burning these fuels is extracted without any wastage is a step in the right direction. This work proposes the usage of a miniature turbine at the silencer outlet to produce electricity. The results obtained in this work show that the technique used is suitable for implementation across all domestic vehicles for energy reclamation.

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