AN EXPERIMENTAL STUDY OF GENERATION OF ELECTRICITY USING SPEED BREAKER

ANKIT GUPTA[1], KULDEEP CHAUDHARY[1] & B.N AGRAWAL[2]

[1]Assistant Professor, Moradabad Institute of Technology, Moradabad, U.P, India

[2]Assistant Professor, Sachdeva Institute of Technology, Mathura, U.P., India

ABSTRACT

One of the most crippling problems of India is lack of electricity. Expanding electrification and scaling up electricity services is critical to both the economic and social development of India. The current state of electricity services across India can be said to be acute, if not in a crisis mode. In the present work an attempt is to be made to fabricate a ramp, by which we can utilize the kinetic energy in power generation. The goal of this study is to propose a setup for power generation which can be used in metropolitan cities as a speed breaker (ramp) so that when the vehicle passes over the ramp, the kinetics energy developed can be converted in the power generation. This provides a starting point for utilities in developing countries to better plan and to overcome from the existing electricity problem up to some extent**.**

KEY WORDS: Kinetic Energy, Speed Breaker (Ramp), Electricity.