**Timed Speed Breaker Power Generation**

**ABSTRACT**

The main stay of the project is to design, mechanize and fabrication of a Timed speed breaker power generation system. Power generation are done by various methods, most of them uses nonrenewable resources such as coal. Some use renewable resources such as solar power, wind power etc. These are costly and huge setups for power generation. Here we are going to create a speed breaker power generation system which can be placed it frequently used roads, when the vehicle passes through the speed breaker it will push the speed breaker down which in turn rotates a flywheel and a shaft to generate power, it can be immediately used or stored for later use and at the same time the speed breaker height can be increased and decreased as per the requirement. The first phase of this project is design, we are designing this speed breaker power generation system using the 3D modeling software Solidworks, after designing we are going to mechanize it using the same software. For Fabrication we need metal frames, sheet metals for speed breaker, fly wheel, shaft, LED, wires, wiper motor etc. The Design software Solidworks will be provided along with the 3D design and mechanism files of the speed breaker power generation system. Images, Screen shots. Finally, the fabricated working model of the speed breaker power generation system will be provided.

Key Words:Non - Conventional energy source, generator, rack and pinion mechanism, speed breaker power,

Price: 10,000/-