***B.Viveka Vardhan Naidu***

***Department of Electrical engineering***

***Sir C.R.Reddy college of Engineering***

***Eluru, India***

[***Vivekavardhan12091999@gmail.com***](mailto:Vivekavardhan12091999@gmail.com)

**Abstract:**

This electronic data gives a detailed description about a new phase of Renewable energy resource and this involves in the construction process.

**1**. **INTRODUCTION:**

The world is now running on the traditional techniques of using renewable energy resources just like solar energy, tidal energy and some others. And this report describes one more way to develop such traditional energy. The energy derivation in this mode of usage is quiet interesting.

In this process, large walls are built along the sea shore at a distance (these are built at the non tourism sites). The internal of the walls are arranged with copper tube piston like structure which have sensible movement even for low movements. As these are arranged opposite to the movement of ocean waves, the fast moving waves hits the wall implanted with copper pistons with a high speed and drives the to and fro movement of the pistons. These piston terminals are connected to the turbine so that the turbine rotates due to the piston movement. This procedure appears similar to that of tidal energy but the only difference occurs at the area with which the process is dealing with. This is an over bed ocean energy deriving system where the deriving unit appears close to the view of the visitors.

In order to specify the constructional aspects of the project, this structure is purely a massive plastic structure with a concrete foundation in order to withstand the massive flow of waves. And kindly speaking, the major aspect behind this project is to formulate a new mode of energy usage and also to reduce the plastic content which covered the world.