

Solar Powered Beach Cleaning Machine

A Meenakshi¹, Ankitha B², Asma³, B Likitha⁴, Mouna K⁵

Assistant Professor, Electrical and Electronics Engineering¹

Students, Electrical and Electronics Engineering, Ballari, India²⁻⁵

Rao Bahadur Y. Mahabaleswarappa Engineering College, Ballari, India

Abstract: *Beaches are one of the most attractive tourist places in the world, cleaning of beaches is neglected by most of the government bodies the main reason behind it takes up lots of resources and time. The housekeepers work manually by picking up garbage, it is difficult to clean the whole beach efficiently and in time. India has a 7517 km long coastline with nearly 70 famous beaches. we aim to design & fabricate a solar beach cleaning machine this machine is designed for simple economic work and it will be easy to maintain and use. This machine has been designed by looking at the current situation of our beaches which are loaded with waste material. The government of India has decided to clean beaches & for that many projects are done on various beaches. The design of the project on using push operated trolley connected with a solar panel. This machine is utilized to collect waste like bottles, plastic, paper, etc. The machine is designed in such a way that it is both cheap & easy to use.*

Keywords: renewable energy, Battery, Motor, Conveyor

