

“PEDAL OPERATED WASHING MACHINE”

Under the Guidance of **Er. Jitendra Kumar**

INTRODUCTION

Pedal operating washing machine project covers one of the daily house-hold activities (washing clothes) but solves a lot of other problems with it as well. We all wash clothes either by our hands or use power driven washing machines. Over the years, this has been either a very strenuous and time consuming or an expensive process. The project intends to solve the problem faced by so many persons in their day-to-day life. In the rural areas where electric supply is unavailable and expensive, powered washing machines becomes almost impractical. Several attempts have been made to develop a solution for these areas and to solve these problems, but either the project in itself becomes very expensive, or the repair and maintenance of the machines require a lot of money and imported parts to replace.



In the developing world, washing laundry is a difficult, time-consuming task the falls solely on women. Mothers and daughters typical spend 8 hours each week scribing each piece of their family’s clothing and writing out the harsh washing solution by hand. The Pedal Operated

Washing Machine is the project which is best option for rural area where there is a problem of electric supply or there is shortage of electric supply. To run the washing machine there is a need of electric power and most of villages of India are suffering from this problem and so overcome and to solve this problem we selected washing machine which operated manually. This does not require any electric power supply or diesel supply. This project is low weight and portable so that easily transported. We use the simple cycling mechanism to run the machine shaft. Powered washing machine exist, but they are impractical in rural reasons because running water and electric are expensive or unavailable. Several groups already tried to build a machine for the regions but they have been unsuccessful. Their machines were either to build and repair because they improved parts or they do not wash effectively.

Our invention is a low cost, pedal power washing machine that designed around readily available parts. Its innovation is its simple design and its use inexpensive plastic barrel and bicycle components. The parts are available locally, so we can be manufactured and repaired in the community without depending on imported goods. Working principle of this concept is no more different from available similar type of machine with a difference driving mechanism of the machine. The objective of bringing down the initial cost and operating cost of washing machine is almost achieved in present work within the limitation of work as mentioned.



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FINAL YEAR