

# ELECTRONIC IGNITION SYSTEM FOR AUTOMOBILES

## 1. INTRODUCTION

A revolution of automobiles is taking place in the country now. Automobile ignition system in two wheelers and three wheelers were working on the basis of a capacitor system. The electronic ignition system proposed here is on the basis of the advanced technology now available. The advantage of the system are improvement in the efficiency of fuel and machinery

## 2. RAW MATERIALS

Triack, rectifier diode high voltage capacitor, resistor, printed circuit board moulds, H.V. wire, ceiling compound MJ, packing box etc.

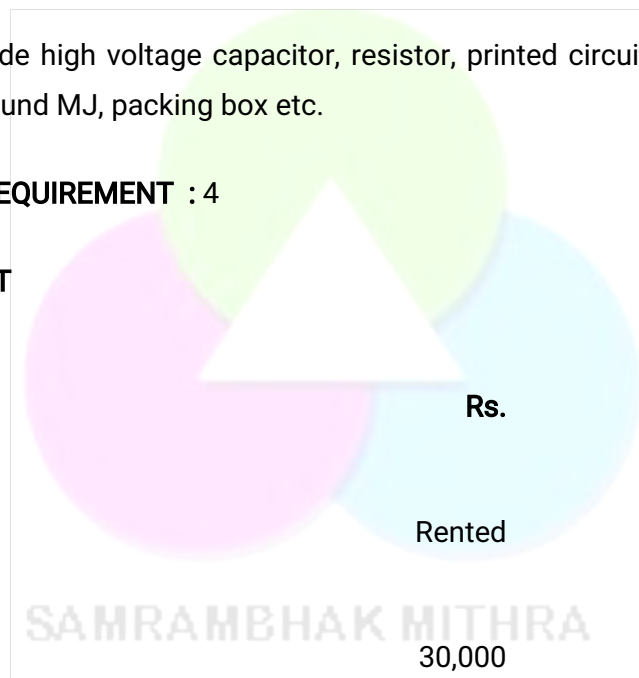
## 3. MANPOWER REQUIREMENT : 4

## 4. PROJECT COST

### A. Fixed Capital

Land & Building

Plant & Machinery



30,000

### B. Working Capital (per month)

Raw Material & Packing

17,225

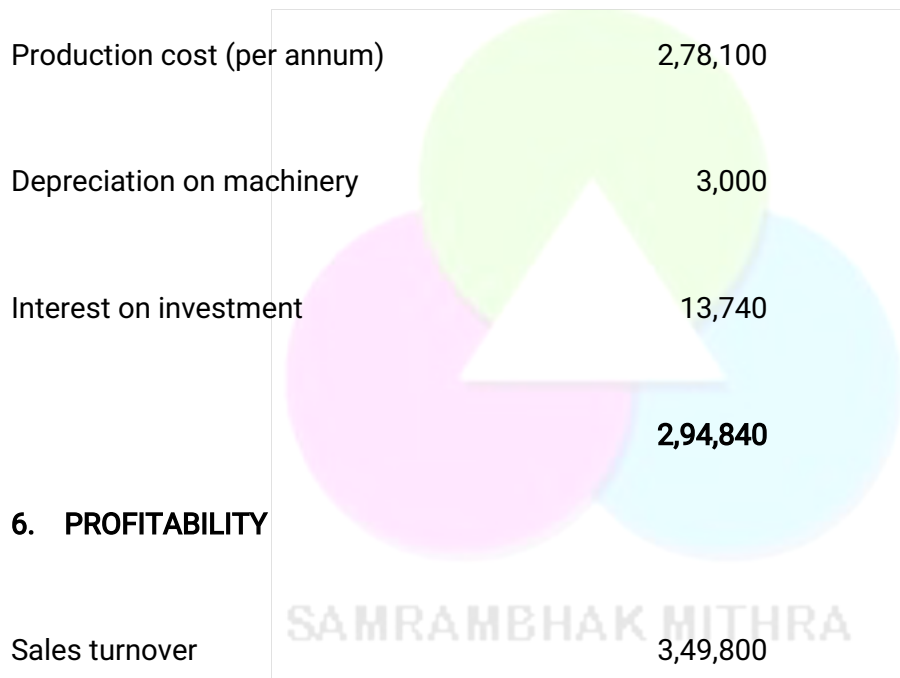
Salary & wages

4,100

Other expenses	1,850
	<b>23,175</b>
<b>Total (A+B)</b>	<b>53,175</b>

## 5. COST OF PRODUCTION

(Rs.)



Production cost	2,94,840
Annual profit	54,960
Percentage of profit on Investment	54%

**Market potential :**

This is a relatively recent advance in the ignition system of automobiles. The device has also become popular in the two-wheeler industry. The earlier system of solenoid type ignition switch is fast being replaced by the electronic version by nearly all auto manufacturers. Besides having better performance and acceptability by customers, these are also reliable and trouble free. The project should be started only after tie-ups with major manufacturers of vehicles as this would offer a ready market for the goods. Plus, there is also a good replacement market as the growth of the automobile sector is poised for greater growth in the years to come. Good network among the spare parts dealers in the State and country is vital.

**Annual Production capacity : Rs. 3,49,800/-**

**List of Plant, Machinery & equipment :**

- 1 Multimeter
- 2 Testing bench
- 3 Dyes, moulds etc.

