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INTRODUCTION



The main intension of this is to avoid pollution by utilizing waste for production of electricity.

A cleaner environment and less dependence on conventional resources.

~ Problem:

According to the survey, the total generation of municipal solid waste in 2018 was **292.4 million tons or 4.9 pounds per person per day**.

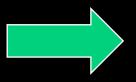
As per information, municipal areas in the country generate 1, 33,760 metric tons per day of municipal solid waste of which only 91,152 TPD waste is collected and 25,884 TPD treated.

~ Problem Statement:

Utilizing waste for the production of electricity

~ Why analysis:

Utilization of waste



To reduce the waste material



To protect environment



To protect people from harmful diseases

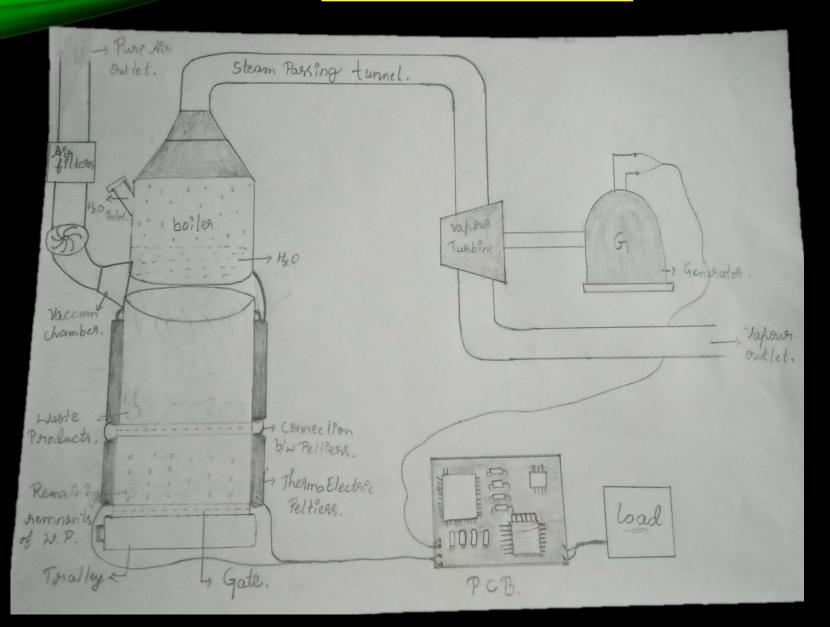
To make the country development



To lead a healthy life



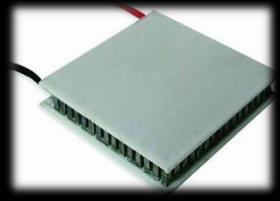
* Visualization:



- * Components: 1.Boiler

 - 2.Gate
 - 3. Trolley
 - 4. Peltier
 - 5. Vacuum chamber
 - 6. Air filters
 - 7. Connection pipes
 - 8. Vapour Turbine
 - 9.Generator
 - 10. PCB / Transformer
 - 11. Wires
 - 12. Load







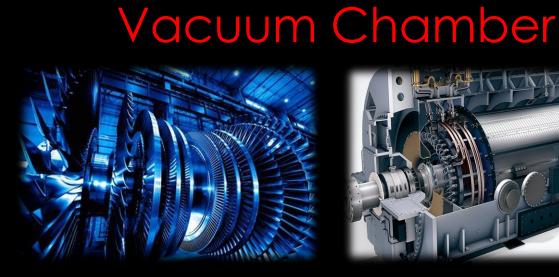


Boilers

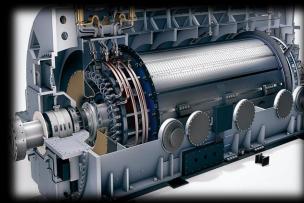


Peltier





Vapour Turbine



Air filters Connection Pipes

Generator

~ Gain Points:

- * Journey Mapping:
- 1. Makes the environment clean and awareness among the people.
- 2. Reduce the dependence on other power resources.

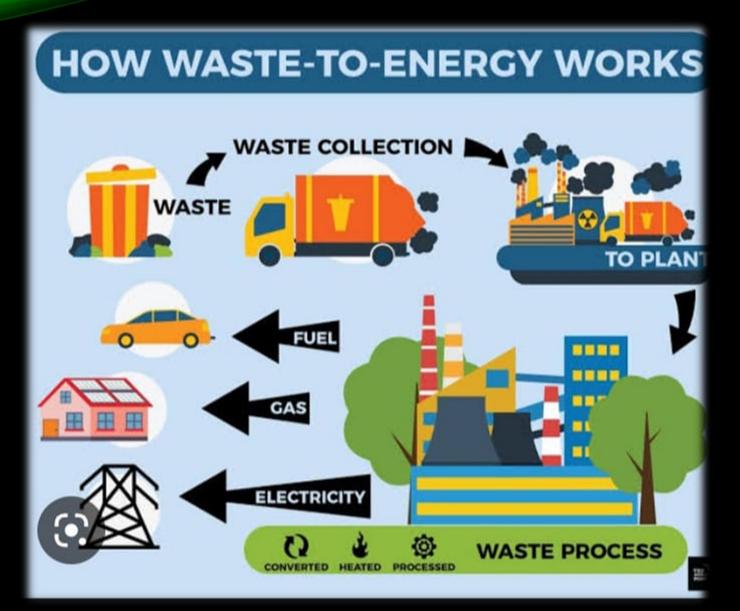
~ Pain points:

- 1. It's hard to segregate the waste.
- 2. Poisonous gas out come.
- 3. Installation cost is high.

~ How to Overcome the pain points:

- 1. We can collaborate with municipal for compensation
- 2. We can segregate the waste product by multiple process like magnetization or applying the eddy current etc.
- 3. Air filters and scrubbers are used to control air pollution and release a pure air.
- 4. Make sure that investors are more.

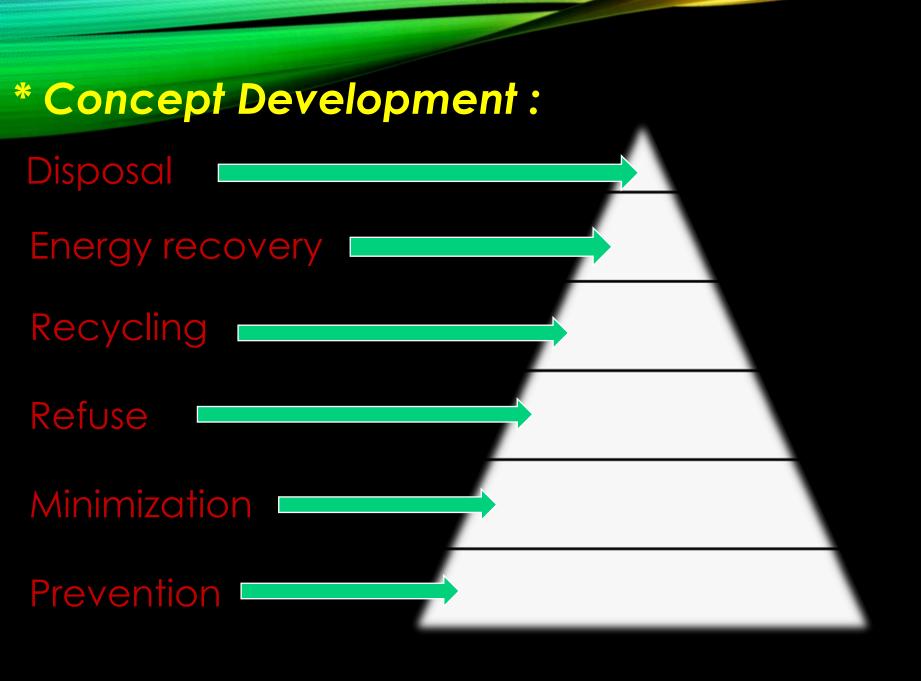
* Value Chain analysis:



* Mind Mapping: Plastic | Waste Material At the end of the day Producing Electricity by We and Municipal using waste Near Municipal waste material

By installing the power plant and generate electricity by burning the waste material

To reduce the pollution and make clean city



Least favoured option.

Most favoured option.

Main intension:

- 1. Understanding needs and insights
- 2. Where to play and how to win
- 3. Benefits
- 4. Overcome problems

* Customer Co ~ creation:

- ~ Inviting stakeholders usually customers or employees to participate in design or problem solving process to produce a mutually valued outcome
- ~ Benefits of customer Co creation
 - * Better products based on customer desires
 - * Better financial performance
 - * The most obvious and likely best reasons to invest in cocreation is to make something new
- ~ New and unexpected Ideas
- ~ Making the customer part of the creation process
- ~ Removing barriers between industries

~ 6 Key area for customer co – creation :

- 1.Product innovation
- 2.Product improvement
- 3. Process improvement
- 4. Marketing content
- 5.Implementation / Launch strategy
- 6.Brand management

* Advantages of producing electricity using dry waste:

- ~ Production and use of energy
- ~ Reduction of waste going to landfills
- ~ utilization of by products as Tar, recycling metals
- ~ Avoid methane emission from landfills when burnt it
- ~ The benefit to local community and economy
- ~ Efficient waste management
- ~ Domestic production of energy

* Disadvantages of producing electricity using dry waste:

~ High operating cost

You have the power to keep India clean and better, now we are providing that power to you.



Lightning towards
Swatch Bharath:

