

INNOVATIVE IDEA PITCHING COMPETITION

A night-time photograph of the Dubai skyline, featuring the Burj Khalifa as the central focus. The city lights are visible, and the sky is a deep blue with some clouds. The text is overlaid on the image.

Theme – *WASTE MANAGEMENT*

Our motto-to show every waste produce by someone is an asset to another.

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What is waste and how it is harming us?

- ❑ **Waste (or wastes)** are unwanted or unusable materials. Waste is any substance which is discarded after primary use, or is worthless, defective and of no use.
- ❑ Different types of waste:-
- ❑ Municipal solid waste(household trash/refuse)
- ❑ Hazardous waste(chemical waste generated by industries).
- ❑ Wastewater(such as sewage, which contains bodily wastes (feces and urine) and surface runoff),
- ❑ Radioactive waste, and others.

- Bad impact on human health

Improper disposal of **waste** can greatly **affect** the **health** of the population living nearby the polluted area or landfills. ... Exposure to improperly handled **wastes** can cause skin irritations, blood infections, respiratory problems, growth problems, and even reproductive issues.

- How does waste affect our environment?

Disposing of **waste** has huge **environmental** impacts and can cause serious problems. ... Some **waste** will eventually rot, but not all, and in **the** process it may smell, or generate methane gas, which is explosive and contributes to **the** greenhouse effect. Leachate produced as **waste** decomposes may cause pollution.

WHAT IS WASTE MANAGEMENT AND WHY DO WE NEED IT?

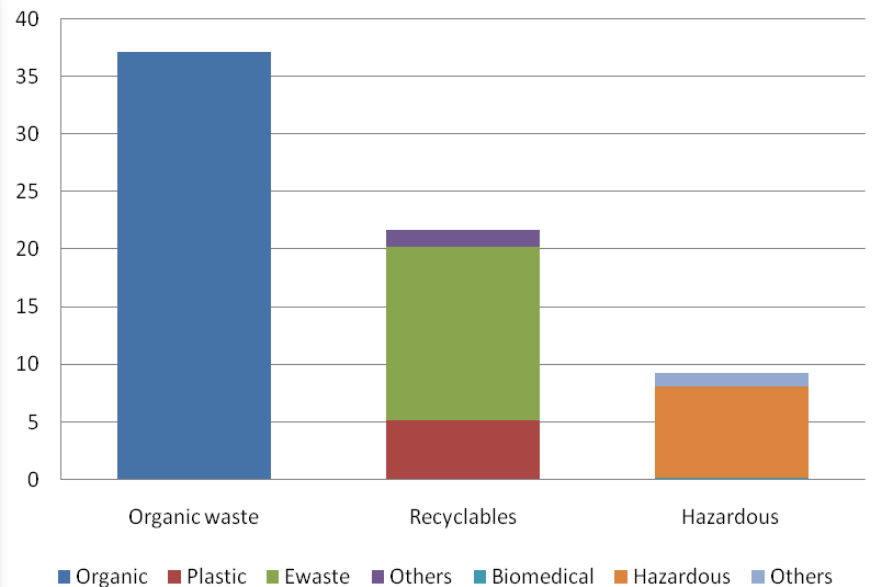
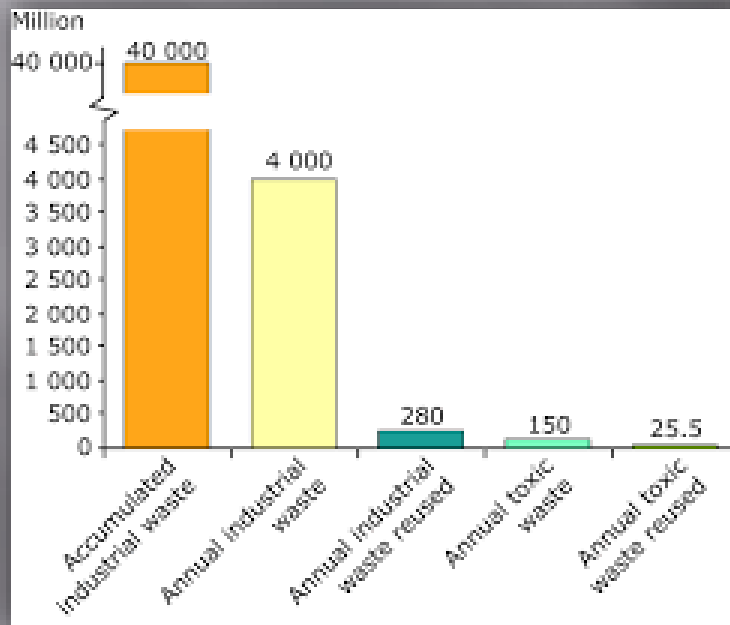
Waste management (or **waste disposal**) include the activities and actions required to manage waste from its inception to its final disposal. This includes the collection, transport, treatment and disposal of waste, together with monitoring and regulation of the waste management process.

The most important reason for **waste collection** is the protection of the environment and the health of the population. Rubbish and **waste** can cause air and water pollution. Rotting garbage is also known to produce harmful gases that mix with the air and can cause breathing problems in people.

Indian industries generating waste?

- ▣ Rapid industrialization has resulted in the **generation** of huge quantity of **wastes**, both solid and liquid, in **industrial sectors** such as sugar, pulp and paper, fruit and food processing, sago / starch, distilleries, dairies, tanneries, slaughterhouses, poultryes, etc.
- ▣ In India we have almost **43,000** industries who produce **19 thousand kilos** of waste daily .

Graphs regarding industrial waste.



OUR IDEA -WASTE BUILDING FUTURE INDIA

**MAKING BRICKS WITH THE HELP OF
WASTE GENERATED BY OUR
INDUSTRIES**



Why paper bricks?

- ❑ Conserves nature.
- ❑ Promote sustainable development.
- ❑ Provide employment in rural area.
- ❑ Recycle industrial waste.
- ❑ Have twice the strength from conventional brick.
- ❑ Reduce green house effect.
- ❑ Cuts construction cost by 40%.
- ❑ Easy to manufacture,
- ❑ It is used to manufacture school ,colleges, public toilet and houses.
- ❑ Prevent toxins from going in the environment.
- ❑ To make a paper brick we need to recycle 9 kgs of waste

Process of making paper bricks

- ▣ Step1:-collect waste.
- ▣ Step2:-We mix it with water binder and chewing gums properly.
- ▣ Step3:-Then we leave it to stay for 6to7 hours.
- ▣ Step4:- Then we put that mixture in desire mould.
- ▣ Step5:-Then we wait for it to naturally dry.
- ▣ We have our bricks ready.

Comparison between Paper bricks and Conventional bricks

CONVENTIONAL BRICK

PAPER BRICK

- Production causes air pollution.
- Small size.
- Require extra fuel to manufacture (in order to bake bricks).
- Risk of labor life.
- Cost 4rs per brick.

- Production Doesn't cause air pollution.
- Comparatively Large size.
- Doesn't require extra fuel to manufacture.
- Doesn't risk of labor life.
- Cost 2rs per brick

Impact on earth and society.

- ▣ Promotes a green world.
- ▣ Decrease deforestation.
- ▣ Decrease Green House Effect.
- ▣ Provide jobs to people in rural area therefore helps in generating employment.
- ▣ Lay foundation of better infrastructure.
- ▣ Help in decreasing pollution.
- ▣ Saves fuel (which is used for making conventional bricks)

Introduce an industry Best out of waste!!!

- ▣ The mixture of waste can be used to make lamp shades , wall clocks, art pieces etc.
- ▣ Each lampshade(25 cm) made uses 7 kgs of recycled waste .
- ▣ Promote handcraft works.
- ▣ An industry near the nature.

Future scope.

- ▣ Promote paper bricks throughout the nation.
- ▣ Make more and more people aware about it.
- ▣ Replace conventional bricks.
- ▣ To establish an industry **“BEST OUT OF WASTE”** globally.

Thank
you!