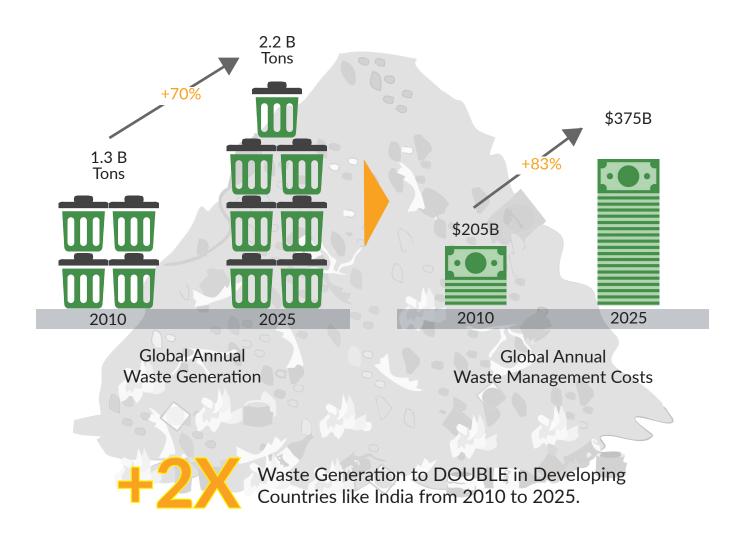


"The time is always ripe to do what is right."

Martin Luther King, Jr.

Municipal Solid Waste, a Fast-Growing Global Problem



Source: WHAT A WASTE, A Global Review of Solid Waste Management Report by Daniel Hoornweg & Perinaz Bhada-Tata, 2012, The World Bank

Untreated MSW Causes Numerous Problems

WATER AND SOIL CONTAMINATION

Leachate goes to the water table polluting the water and leading to a variety of diseases.



HEALTH HAZARDS

Landfills emit toxic and green house gases leading to various respiratory diseases and global warming.



ENVIRONMENTAL DEGRADATION

Centralised landfills require excessive transportation causing environmental and social degradation.





Existing Technologies Are Not Meeting The Needs



INCINERATION

- Applicable only at larger ratings – 300 Tons / day and above.
- Not applicable for smaller towns.
- For larger towns, waste needs to be brought to 1 location – expensive and dirty.
- Emissions usually an issue.



BIOGAS/ COMPOSTING

- Need much more pre processing and segregation.
- Handles only wet waste.
- Slurry has fertilizer value but not always easy to sell/ dispose.
- Substantial fractions of MSW still need landfilling.

Existing Technologies Do Not Provide a Distributed Solution.

Emissions and Volume Reduction Remain Issues.

Ankur's Solution is Ideal - It Works Everywhere and Handles

DISTRIBUTED SOLUTION



IDEAL SOLUTION

Process distributed waste in a distributed manner. Solution should work in villages, towns and cities.

ANKUR SOLUTION

Relevant for villages, towns and cities of all sizes. Single Systems to handle 5 to 100 Tons / Day.

LOWEST EMISSIONS



IDEAL SOLUTION
Should treat the
waste Online.



The Emissions should be below all limits defined by the most stringent of bodies.

ANKUR SOLUTION

No harmful solid emissions. No liquid emissions – **No Leachate.** Gaseous emissions well within limits.



All MSW Related Problems

VOLUME REDUCTION



IDEAL SOLUTION

There should be substantial Volume Reduction in the Waste Stream post processing.

ANKUR SOLUTION

Complete conversion of MSW to energy or usable products. No Landfilling.

INE



ANKUR SOLUTION

MSW is handled online with minimal pre-processing.

FINANCIALLY VIABLE



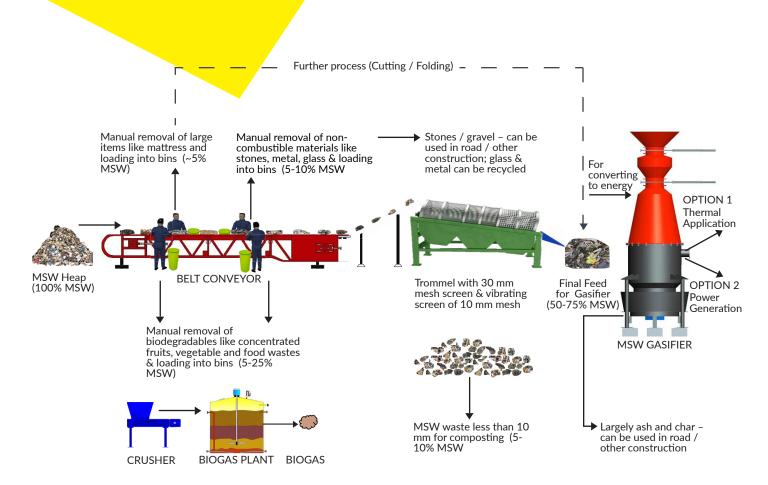
IDEAL SOLUTION

The projects should be financially viable.

ANKUR SOLUTION

Ankur's Plant Capex and Opex ensure fastest recovery of capital.

Ankur's Solution Converts MSW into Usable Energy

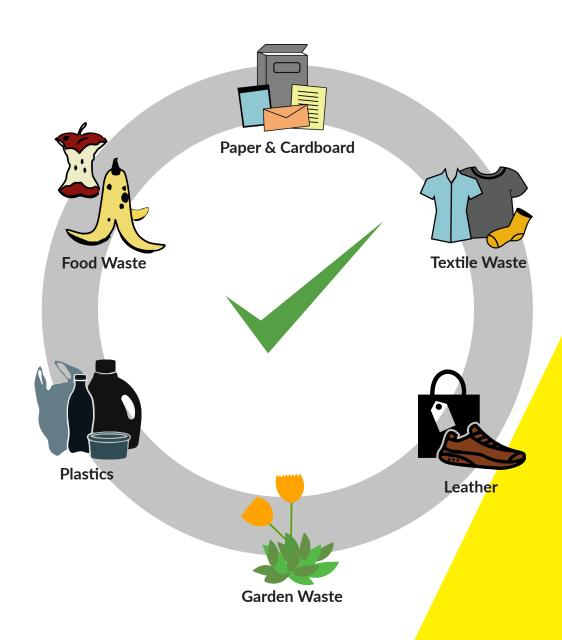


Minimal Pre-Processing.

MSW is Fully Processed and Converted to Useful Streams.

Landfilling is Totally Eliminated.

Ankur's Versatile Solution Handles Most MSW Fractions



Ankur's Solution Meets All Emission Guidelines







Solid Emissions	Air Emissions (at 6% O ₂)*		Liquid Emissions
Non toxic ash/char generated which can be	PM CO	30 mg/Nm³ 100 ppm	System generates no liquid emissions.
used for road building, soil enhancement, etc.	NOx SOx	100 mg/Nm³ 100 mg/Nm³	

*Indicative Only



For India, Ankur's Technology Meets All Guidelines of NGT, CPCB and Various State Pollution Control Boards.

About Ankur Scientific



Founded in 1986 by Dr. B. C. Jain, a gold medalist from BITS, Pilani, Double M.S., Ph.D, & M.B.A. from M.I.T. (Cambridge), an internationally acclaimed technocrat.



Indigenously Developed and Patented Technologies that meet all emission and safety norms.



1000+ systems installed in **35+** countries worldwide.



Working with various Governments globally, NGOs, agencies of the UN, EU, World Bank, Internationally reputed Universities, the Gates Foundation, various industrial and investor groups and private industry.



Recepient of numerous National and International Awards.



All equipment is **CE** certified.

Is MSW a problem for you? **ANKUR** has the right solution.

CONNECT WITH US



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