



ICPE – PHD Workshop
on
Solid Waste Management

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Presentation by Advit Foundation

SOLID WASTE MANAGEMENT IN INDIA

Community Participation and Improving Solid Waste Management



A look at the insight on how to involve the
Community, NGOs and Private sector
to help improve the efficiency and cost
effectiveness of the SWM service



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Amount of ~~waste~~^{wealth} generated

Studies show that on an average, each person in urban areas produces half a kilogram of garbage each day.

Excluding the garbage we make indirectly through industry, agriculture and mining.

Twenty per cent of Indians live in urban areas.

This calculates to more than 36 million tons of garbage each year in cities alone !



How the waste is being handled

- Reaches the landfills without any treatment and sorting.....leading to pollution problems

Recent Gurgaon movement against a landfill site

- Landfills are good source of methane gas



Approach for waste to wealth

The approaches are based on 2 important observations -

1. People are the heart of the waste management problem
2. Waste Management is an Income generating activity



Approach for waste to wealth....

Success can be through:

Reduce, Reuse and Recycle

- Wealth creation through recycling
- There is an urgent need for recycling industries



Effective management with support from communities



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“Why” community participation

Importance:

- Achieves reducing, reusing and recycling
- Reduces littering
- Promotes storage and segregation at source as biodegradable and non-biodegradable
- Results in arrangements for primary collection of waste through RWAs, NGOs
- Encourages local composting and recycling initiatives
- Provides livelihood for low income population



Change in Mindset

Community initiatives have proven of great importance in SWM.

This holds true not only for decision making but, also in day to day operations.

The municipal authorities need to change their mindset. Municipal bodies should encourage:

- innovation
- entrepreneurship from the public



Intervention plan

The approach needs to emphasize on –

- Capacity building
- Information and communication material
- Municipal authorities to change mind set



Planning an initiative

1. Reaching out to the community – information in place, involve them in day to day operations rather than just decision making
2. Ascertain people's voices, perceptions and expectations
3. Reach out to the stakeholders- people/ institutions that are affected by the SWM system
4. Involve households, ragpickers and local government
5. Start a consultation process - formal or informal – in city central or door to door initiatives



Consultation process

Identify perceptions through consultative process



Find alternatives and work out solutions



Consult community on the options available



Define strategy for implementation and define pilot areas

First take a good understanding of existing situations, people's perception and expectations



Consultation process - outcome

A consultation processes should identify the following:

- Willingness of the stakeholders to cooperate
- Willingness to pay
- Demand for the type of service required
- Their attitude towards the process – segregation at source, recycling, disposal and final treatment
- Willingness to work with different sections of society – rag pickers, municipal workers and entrepreneurs
- Willingness to participate and make decisions

*All consultation processes should end with a **citizen's charter** that capture the voices of the citizens*



Citizens Charter

Citizens Charter in Namakkal – A 10 point charter to achieve a zero waste status. Jan 7, 2003

1. Extend Door to door collection with segregation in the entire city
2. Introduce Night sweeping at bus stands and important roads
3. Extent night sweeping and door to door collection on holidays and Sundays
4. Maintain gardens, parks and open spaces trough participation bu NGOs and voluntary organisations
5. Remove encroachment and prevent re-encroachments
6. Prevent road side hotels and truck repair shops
7. Remove stray dogs and cows
8. Levy SWM charges on hotels, commercial complexes
9. Generate vermicompost by involving NGOs, private bodies to build, operate and sell the compost
10. Engage 2 teams to remove waste around the clock and make town free of garbage all the time



Preparing an Action Plan

Form a stakeholder committee

To ensure maximum stakeholder participation:

- Municipality must facilitate stakeholder committees
- Minimum political interests
- Maximum participation – senior citizens
- Include traders , recyclers, entrepreneurs
- Regular meetings, implementation of decisions should follow
- Delegation of responsibilities is important



Who are the Stakeholders

The following stakeholders should be members of the pilot:

- NGO's, CBOs, volunteer groups
- Health officers
- Commercial establishments
- Citizens

Other representatives could be:

- CBOs
- Institutional representatives
- Schools and College representatives
- Media



A Success

A good stake holder participation will lead to a good consultative process



Main crux of an efficient SWM system



Thank You.

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Our Goal

.....*mission statement*

“Conserving Environment &
Strengthening Livelihoods”



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Our Strength

- Education
 - Rural education centres
 - Environment and health trainings

- Environment
 - Medicinal herbal gardens
 - Phyto-remediation
 - Risk assessment of factories

- Resources Conservation
 - Water conservation
 - Waste management
 - Energy efficiency and CDM
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