

ZERO WASTE

Presentation

by

A.K.JAIN

SENIOR ADVISOR, SWM CELL

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MUNICIPAL SOLID WASTE MANAGEMENT

- ESTIMATION & ANALYSIS OF WASTE.
- SEGREGATION & STORAGE .
- PREVENTION OF LITTERING.
- COLLECTION, TRANSFER & TRANSPORTATION.
- RECYCLING AND PROCESSING.
- CENTRALISED TREATMENT & SCIENTIFIC DISPOSAL.
- RESOURCE MANAGEMENT.
- AWARENESS CREATION, COMMUNITY INVOLVEMENT.
- ENFORCEMENT

DISPOSAL OF WASTE



OPEN DUMPING

16. 7. 2002

TRADITIONAL APPROACH TO SWM

- WASTE REMOVAL AND LANDFILLING - FOCUS ON HAULAGE AND LANDFILL.
- IS THIS SUSTAINABLE - ENVIRONMENTALLY & ECONOMICALLY?
- LIMITATION OF MUNICIPAL RESOURCES.
- LIMITATION OF NATURAL RESOURCES .

SUSTAINABLE WASTE MANAGEMENT

- BASED ON “ZERO WASTE” AND DECENTRALISED MANAGEMENT.
- REDUCE, REUSE, RECYCLE REMOVE AND RESOURCE RECOVERY.
- MINIMUM TRANSPORTATION AND LANDFILL OF REJECTS ONLY.
- MINIMUM ENVIRONMENT IMPACTS AND CONSERVE NATURAL RESOURCES.
- CIVIC ENGAGEMENT AND INCLUSION OF THE POOR.
- ENVIRONMENTAL PLANNING AND MANAGEMENT PROCESS.

MANDATE OF MSW RULES

- SOURCE SEGREGATION.
- PROHIBITION OF LITTERING.
- DOORSTEP COLLECTION OF WASTE.
- PROCESSING OF BIO DEGRADABLE WASTE AND RECYCLING OF DRY WASTE.
- DISPOSAL OF INERT AND WASTE REJECTS IN SLF.
- AWARENESS CREATION AND INVOLVEMENT OF COMMUNITY.

IMPERATIVE OF SUSTAINABLE SWM

- MICRO PLANNING FOR COLLECTION, RECYCLING AND DECENTRALISED PROCESSING.
- ELECTORAL WARD AS THE UNIT.
- INVENTORY OF WASTE AND WASTE GENERATORS.
- IDENTIFYING PUBLIC SPACES WITHIN THE WARD FOR PROCESSING.
- AREAWIDE IDENTIFICATION AND INVOLVEMENT OF THE NGOs / CBOs.

ALM MODEL IN MUMBAI

- AN INFORMAL PARTNERSHIP BETWEEN ORGANISED RESIDENTS AND THE ULB.
- ALM SOCIETIES REPRESENT BUILDINGS / GROUP OF BUILDINGS / LANE OR A COMPACT AREA.
- REPRESENT ALL THE STAKEHOLDERS IN THE AREA WITH COMMITMENT TO ENVIRONMENT IMPROVEMENT THROUGH SOURCE SEGREGATION AND REDUCTION OF WASTE AND MAINTAINENANCE OF THE PREMISES / ROAD / AREA.
- INVOLVE LOCAL RAGPICKERS FOR REMOVING DRY WASTE AND PROMOTE COMPOSTING OF WET WASTE.

ROLE OF THE ULB

- PROVIDING WASTE MANAGEMENT SERVICES.
- APPOINTMENT OF THE BEAT OFFICER AS THE NODAL OFFICER FOR PROACTIVE MAINTENANCE OF UTILITY SERVICES.
- FAULTS REGISTERED DURING PERIODIC VISITS AND ATTENDED ON PRIORITY.
- FORUM FOR PERIODIC REVIEW AND GRIEVANCE REDRESSAL.

INSTITUTIONALISING COMMUNITY PARTICIPATION

- SUSTAINABILITY OF THE INITIATIVE?
- AWARENESS BUILDING.
- TRAINING AND ATTITUDENAL CHANGE.
- ORGANISING, FACILITATING, AND SUPPORTING THE COMMUNITY.
- INCENTIVISING.
- INVOLVEMENT OF NGOs.
- PARTICIPATION WITHIN THE LEGAL FRAMEWORK.

CONCLUSIONS

- **EXISTING SYSTEMS INADEQUATE LEAVING ADVERSE IMPACTS ON PUBLIC HEALTH AND ENVIRONMENT.**
- **SUSTAINABLE SWM APPROACH - ZERO WASTE**
- **MICRO AND DECENTRALISED PLANNING.**
- **COMMUNITY SHOULD BE INVOLVED.**
- **ATTITUDENAL CHANGE.**
- **LEGAL FRAMEWORK FOR INSTITUTIONALISATION.**