



Waste Segregation/Separation at Source

Presenter :

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Ministry of Health, Bhutan





Waste Prevention and Management Act 2009

Waste Streams	Implementing Agencies
Medical Waste	Ministry of Health, Department of Livestock (Ministry of Agriculture and Forests), Bhutan Narcotic Control Agency and the Drug Regulatory Authority
Municipal Waste	Ministry of Works and Human Settlement, Thromde Offices and District Administrations.
Industrial Waste	Department of Industry (Ministry of Economic Affairs)
E-Waste	Department of Information Technology and Telecom (Ministry of Information and Communications)



Waste Prevention and Management Act 2009

To protect and sustain human health through protection of environment by:

- Reducing generation of waste at source;
- Promoting segregation, reuse and recycling



Waste Prevention and Management Regulation 2012 and Amendment 2016



Waste segregation requirement at source

87.1 there shall be separate bins for every household, for waste segregation for at least “bio-degradable” and “non-biodegradable” waste as may be determined by the Thromde;

87.3 All business and industrial sectors, including Government and private offices shall provide facilities for waste segregation into bio-degradable and non-biodegradable wastes; and



Current Situation of Waste Management

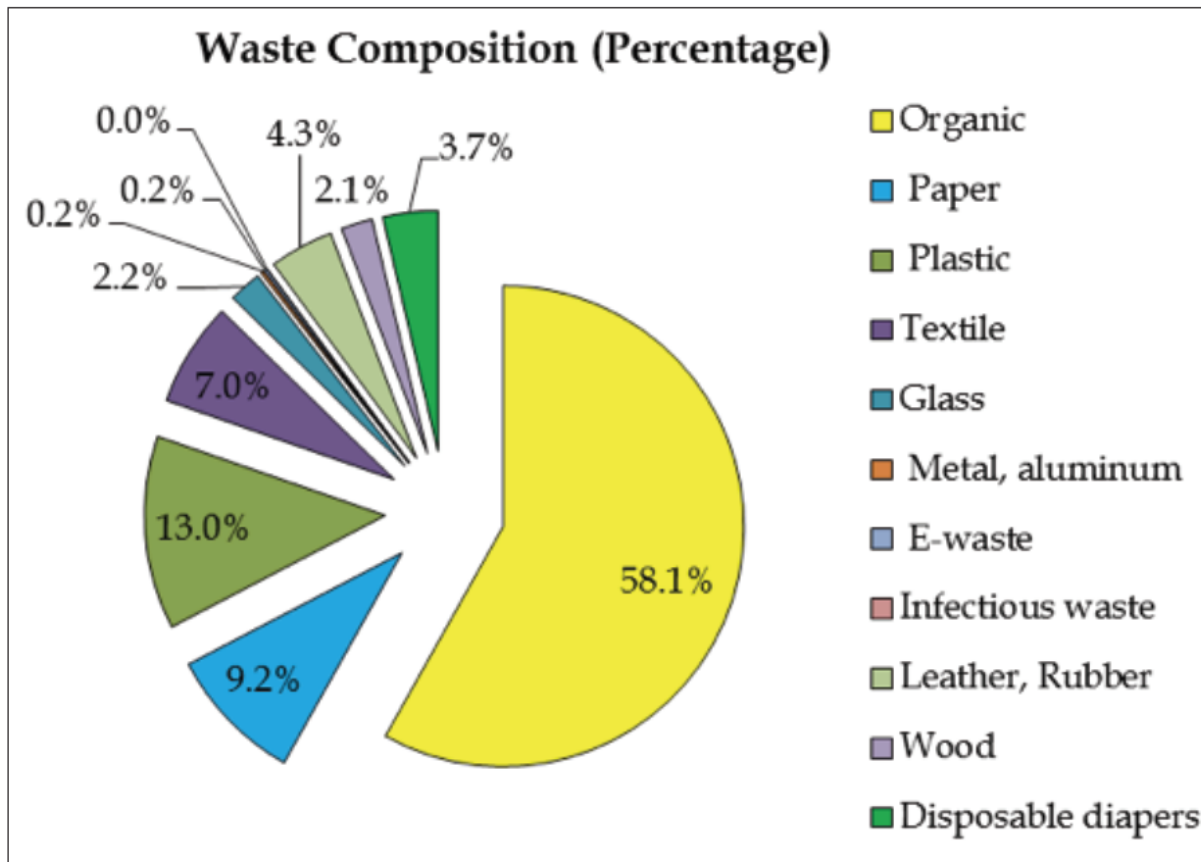


Sl.No	Waste Stream	Quantity	Year
1	Municipal Solid Waste	861.4 Mt/week	2017
2	Industrial Waste	520 tons/year	2017
3	Medical Waste	428 tons/year	2017
4	E-Waste	912 items	2017

NEC, 2018

1. Municipal Solid Waste

Segregated into Dry and Wet waste
Source: Households





Waste Drop Off Center



There are five different disposal bins, one each for pet bottles, plastics, papers, metals, and food and other wastes. Residents have to segregate wastes before dumping.

2. Medical Wastes

Segregation of waste using color coded bins and plastics

**Red for
Infectious and
pathological
wastes**



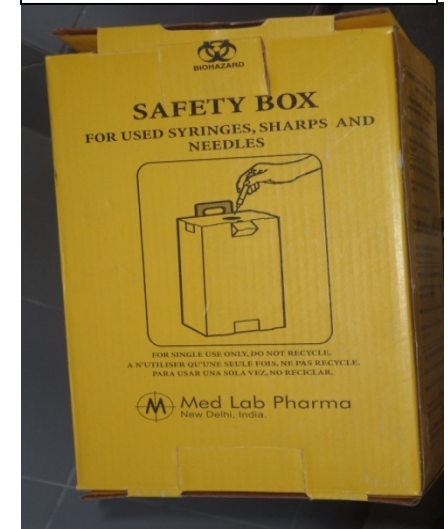
**Green for
general waste
like papers
and plastics**



**Blue for food
waste like leftover
food, fruits and
vegetable pills etc**



**Yellow/white for
sharps: needle,
blades etc**





v. **Chemotherapy waste**- Red bucket labeled 'Biohazard' (only JDWNRH)

v. **Pharmaceutical waste**- cartoon boxes

vi. **Chemicals**- bottles/containers

