

Action Area4

Special Waste Management

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Construction and Demolition Waste



Medical Waste



Industrial Waste



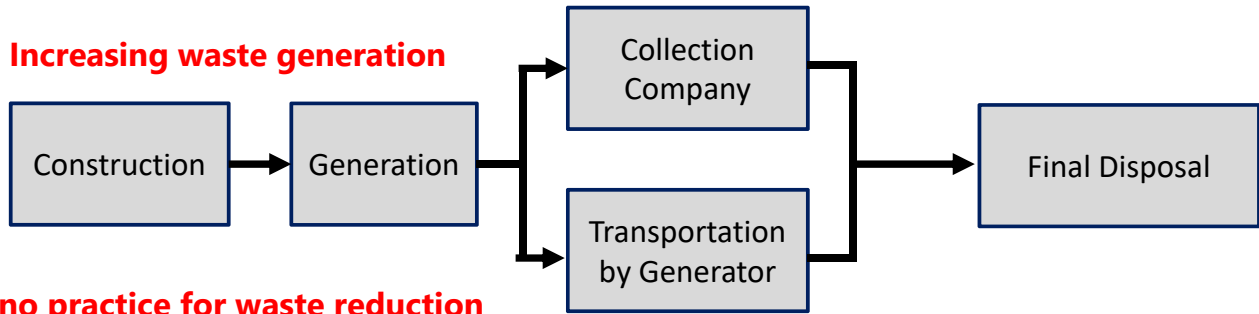
E-Waste



Construction and Demolition Waste

lack of data

Increasing waste generation



no practice for waste reduction

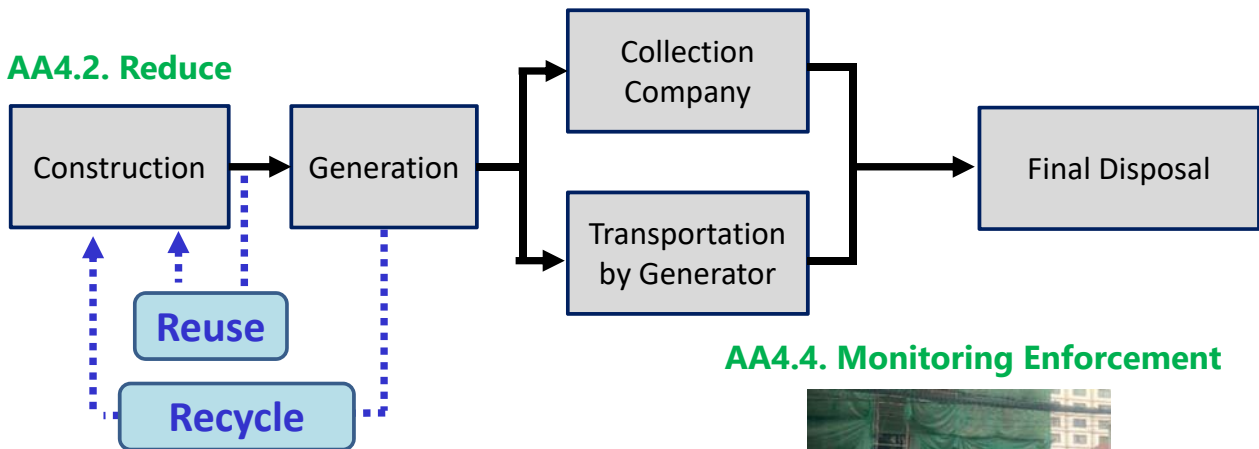
illegal disposal, incomplete collection



Construction and Demolition Waste

AA4.1. Data Management

AA4.2. Reduce



AA4.3. Reuse and Recycle

AA4.4. Monitoring Enforcement





Construction and Demolition Waste

Action Area 4.1.

Establishment of Data Management System

a. Introduction of by-category data collection



- Feasibility Study
- Institute a reporting obligation to construction companies to collect waste generation data by-category

b. Estimate waste generation from available public data



- Collect information on newly registered construction
- Seek cooperation from relevant agencies to access to public data (i.e. type of property) for estimation
- Seek cooperation from experts in estimation (i.e. Universities)



Construction and Demolition Waste

Action Area 4.2.

Promote Waste Reduction

a. Awareness raising of industry stakeholders

Aim	Share common recognition: “waste issue requires urgent action”
Who?	Construction companies, industry associations, workers
How?	Consultative dialogue with industry stakeholders

b. Encouraging sustainable construction

- Identification and dissemination of sustainable resource efficient practice



Construction and Demolition Waste

Action Area 4.3.

Promote Reuse and Recycle

a. Promotion and Reuse and Recycle in **planning/designing** stage

b. Identification/dissemination of appropriate reuse and recycling methodologies

Action Area 4.4.

Implementation, Monitoring, and Enforcement against illegal disposal

a. Develop/disseminate guideline on monitoring/disposal

b. Encouraging/accept waste generators to bring-in their waste



Industrial Waste

Action Area 4.6.

Strengthening Oversight Mechanism to Ensure Implementation

a. Development subnational regulation

▫ Clarify responsibility and cost-burden of stakeholders

b. Creation of special unit for industrial waste management

...where appropriate and feasible

c. Develop technical standards/guidelines for promoting 3R / treatment practices

d. Develop/maintain database on waste generators

▫ Company profile
▫ waste type

▫ The amount of waste produced
▫ Degree of hazardousness

▫ The current treatment methods



Industrial Waste

Action Area 4.6.

Strengthening Oversight Mechanism to Ensure Implementation

e. Periodical forum for government-stakeholder dialogue

- Aim Communicate government policy to seek collaboration from stakeholders
What? Current waste challenges, regulation, standards, guidelines
Who? Through industrial associations of different sectors

f. Implementation of regulations/standards

g. Promotion of Reduce-Reuse-Recycle (3R) in production processes

- Promotion of Reduce and Reuse in cooperation with industrial actors towards >> highlighting benefits such as cost reduction
- Promotion of recycling:
>> Government to act as a facilitator for “match making” between waste generators and potential recyclers



Industrial Waste

Action Area 4.6.

Strengthening Oversight Mechanism to Ensure Implementation

h. Capacity development targeting industrial waste management companies

- Promotion of sustainable methodology/technology for intermediate treatment and final disposal

i. Capacity development targeting PPCA officers

- Towards better policy planning, execution, monitoring...etc



E-Waste

Action Area 4.7.

Addressing illegal disposal, regulating e-waste management practices, and diverting valuable e-waste to resource trading

a. Develop database on e-waste recyclers through survey

- Company profile
- The amount of waste produced
- The current treatment methods
- waste type
- Degree of hazardousness

b. Develop an E-waste inventory

- In cooperation with relevant institutions: DoE, MoE

c. Dissemination of MoE Guideline on e-waste management

d. Conduct awareness raising on health and environmental impact



E-Waste

Action Area 4.7.

Addressing illegal disposal, regulating e-waste management practices, and diverting valuable e-waste to resource trading

e. Develop subnational regulation

- Emission standards, recycling operation standards,
- In cooperation with relevant institutions: DoE, MoE

f. Develop/publicize a list of certified recyclers

To facilitate disposal and collection to recyclers with appropriate management practice

g. Organize e-waste collection campaign targeting general consumers

- | | |
|-----|---|
| Aim | Promotion of collection to recyclers with appropriate management practice |
| How | In collaboration with... ie shopping malls and recyclers |

h. Monitoring against illegal disposal and inappropriate/sub-standard practice

Group Discussions

Explanation of Actions under each Area



Group Discussion

1. Agree on area-specific **KPI**
2. **Priorities** (short term, mid-term, long-term)
3. **Timeline** (calendar)
4. **Role demarcation** (lead actor, supporting actor)
5. Set **Targets** and **Deadlines**