Action Area 4
Special Waste Management

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Construction and Demolition Waste
Medical Waste
Industrial Waste
E-Waste
Construction and Demolition Waste

Increasing waste generation

- Construction → Generation
- Collection Company
- Transportation by Generator → Final Disposal

no practice for waste reduction

- illegal disposal, incomplete collection

AA4.1. Data Management

AA4.2. Reduce

- Construction → Generation
- Collection Company
- Transportation by Generator → Final Disposal

AA4.3. Reuse and Recycle

- Reuse
- 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)

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**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

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
   - 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. 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**