



Major new initiative in 3R and circular economy, Lao PDR

Ministry of Industry and Commerce

Department of Industry

March 4th, 2025 in Jaipur City of Rajasthan State,
India.

Content

- I. major new initiatives/achievements in 3R and circular economy areas;
- II. major challenges (institutional capacity, financing, technology and infrastructure) in promoting 3R and circular economy;

I. new initiatives in 3R and circular economy

1. Legislation and Policy

- **Environmental Protection Law (Revised Version);**
- **Law on Chemicals Management**
- **Decree on Waste Management from Health Care Facilities**
- **Decree on Environmental Impact Assessment**

2. Industrial waste management

The implementation of MOIC mainly refer to:

1) **The Law on Processing Industry**

- ☐ Section 6 Environmental Protection

2) **The 5-year Development Plan of Industry and Handicraft**

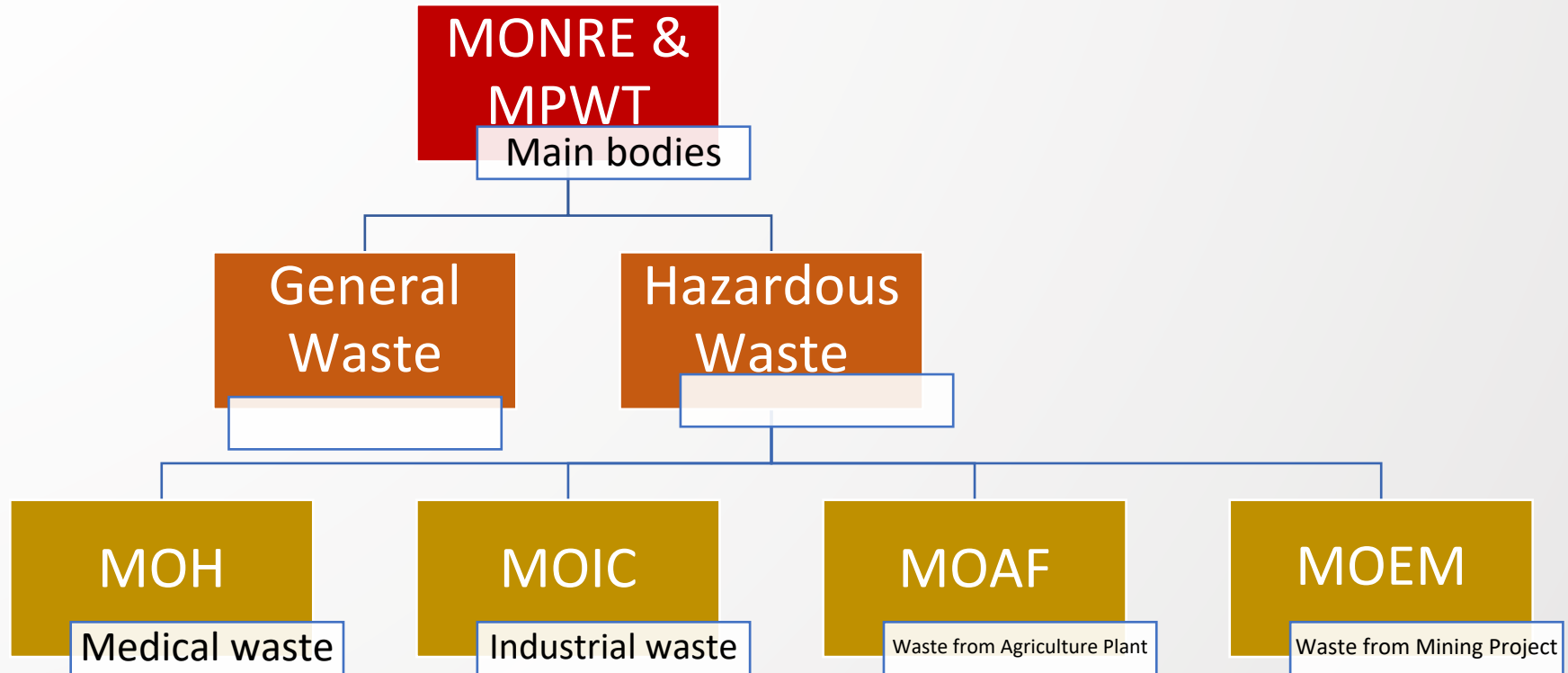
- ☐ Promoting Green Industry,
- ☐ Promoting 3R, efficient use of material, ...

3) **Decision on the management of wastes of the manufacturing and handicraft factories**

- ☐ principles and measures to manage solid waste from industrial processing and crafts to ensure that it does not affect the environment and society.

3. Institutional Framework for Solid waste Management

- Ministry of Natural Resource and Environment (MONRE)
- Ministry of Public Work and Transportation (MPWT)
- Ministry of Industry and Commerce (MOIC)
- Ministry of Health (MOH)
- Ministry of Agriculture and Forestry(MOAF)
- Ministry of Energy and Mine (MOEM)



4. Industrial Waste Management

Decision on the management of wastes of the manufacturing and handicraft factories

No. 0555/MOIC, 20 Mar 2012

Identifying Hazardous Waste

Hazardous wastes: Chemical wastes and containers, Radioactive wastes, Particulates of chemical purity treatment, Other hazardous wastes.

General waste.



Waste Classification

- Has a suitable, secure waste container
- Classify by color of bin
- Gray: Hazardous, Black: Toxic,
- Green: Non-Hazardous, Yellow: Recycle



Hazardous Waste Accumulation Area

- Have container and keep away in save place
- Can be collect not exceed 60 days
- Particular responsible authority
- Ensure of safety.



General Waste - Landfill



Hazardous Waste – Environmental Management Center: EMC



6. 3R Promotion in industry sector

MOIC

EMAC & EMC



KCL

- Signed MOU 30 Nov 2022
- Research and develop Waste Manifest system, innovation for treatment.
- Currently focus on RDF

- Signed MOU 18 June 2022
- Using RDF power
- Generate power for the factory by general waste (from 32KM Landfill)

Promoting recycle industries:

Other industries using waste as a resource;

- The factory make diesel fuel from used oil.
- The steel factory using used steel.
- The use of beer waste for cattle feeding and plant fertilizing.

2. Create the strategic of promoting biomass power for industries in Lao up to 2035
Approved in 2023



II. Major challenges and Future Plan

- 1. Publicizing laws and regulations for managing waste generated by industrial processing and handicrafts is still not common.**
- 2. The enforcement of laws and regulations is not as efficient and effective as it should be.**
- 3. Coordination between the government sector and public sector is still not working well.**
- 4. Some operators still lack awareness and do not give priority to waste management, resulting in the phenomenon of recklessly throwing away waste, improper treatment (burning with an open system), no separation of waste, etc., causing risks and affecting the environment.**
- 5. There are also limited facilities or standard landfill of hazardous waste.**
- 6. Lack of budget and technical for monitoring and inspection.**

Thank you