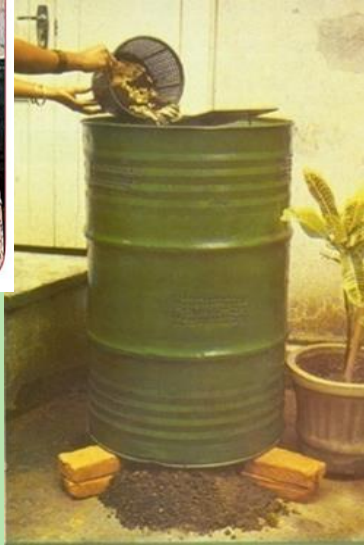


Way Forward to Sustainable 3R Goals – Sri Lanka





Major achievements, critical challenges and major plans

- 3R in Urban/Industrial Areas
 - Municipal Solid Waste
 - Industrial Solid Waste
- 3R in Rural Areas
- 3R for New and Emerging Waste
- 3R for Cross Cutting Issues





Achievements on Policy and Legislation focusing to Concepts of Circular Economy and 3Rs

- New Regulations issued for **clean air, clean land and clean water** under National Environment Act No 47 of 1980
- National Solid Waste Management Policy formulated in 2007 is being revised
- Regulations for **Extended Producer Responsibility** for the waste management enforced in 2017
- Hazardous Waste Regulations gazette in 1996 and it was strengthened with **“Hazardous Waste Guidelines”** published in 2012)
- Amended the Agrarian Development act, Irrigation ordinance and flood management act to **control water pollution.**
- National **Cleaner Production Policy** developed and implemented and **Sustainable Consumption & Production Policy** is being formulated
- Policy and regulation on **non collection of non segregated** municipal wastes by local authorities implemented in 2017





Achievements on actions for 3Rs

- HDPE (**High Density Poly Ethylene**) totally banned from 01st September 2017, Bio degradable alternatives for polythene are being promoted.
- Waste management segment of Existing "**Haritha Lanka**" Action Plan (National Environmental Action Plan) amended with "**Doing Away with Dumps**".
- **Compulsory implementation on Color Code** on Solid Waste – (05 categories)and 03 categories for local authorities.
- Introduction of "**Zero Waste**" concept is progressing successfully.
- **Food waste minimization** programmes, and 3R concept implemented in the **health sector/ hospitals**.
- Concepts of **Green Procurement, Green Accounting, Green Reporting**, is being implemented gradually
- Proper **packaging methodologies** introduced to minimize post-harvest waste and upgrading food **preservation technologies** are in progress.





Major Projects with 3Rs and Circular Economy

- **“Pilisaru Project”** Provided facilities and infra-structure to local authorities for **composting, bio gas generation, plastic recycling** etc. - **03 Sanitary land fills** are under construction.
- Installation of **“Kawashima Composting machines”** in **all 09 provinces** is in progress and will be completed in 2018. Implementation is in progress.
- A **mega project for Composting** all bio degradable waste is being implemented by Colombo Municipal Council.
- Initiated **Waste to Energy Project** for western province residual wastes and encourage private sector for PPP projects
- **Waste management project at Arawakkakru** (Puttlam district) is in progress with a capacity of **1200 MT per day**.
- Initiated **green villages, green hospitals, green industries, green school** projects which promotes waste minimization
- Fixing **filtering mechanism to control plastic waste and preserve the coast, lagoon and the sea** is proposed
- **Riverine Management Division** was established in the Irrigation Department to control water pollution.
- Promoting **overall regional cooperation and multi-stakeholder partnerships for Waste management** projects implemented with the assistance of Japan (JICA) and Korean Government (KOIKA) and ADB.





Motivation and Capacity Building on 3Rs

- **Green Awards** ceremony conducted annually
- **Waste recycling industries** are promoted and awareness is created.
- Encourage the private sector to **increase resource efficiency and productivity** through T 3R and Circular Economy concepts.
- The government encourages the industries and offer the awards
 - **National Cleaner Production Award**
 - National Productivity Secretariat – **Green Productivity**
 - SLIDA Training Centre– **Green Productivity**
 - **R & D Award** by Universities on Environment based studies.
- At present **National Steering Committee** on waste management Promote non government and govt. organization to implement policy.





3R for New and Emerging Waste

- Preventing illegal and inappropriate export and import of waste, including transit trade, especially of **hazardous waste and e-waste**. - Basel Convention has been signed and ratified.
- Promoting **3R concept in health-care waste management** ; it includes drafting Healthcare Waste Management Policy, National Guidelines on Healthcare Waste Management, National Colour Code on Healthcare Waste segregation.
- **Hazardous Waste Regulations** under the Environment Act (All health institutions need to obtain Environmental Protection Licenses (EPL) & Scheduled Waste Licenses (SWL)
- Integration the **3Rs in formal education**, in to school curriculum, University level education and post graduate level.





Issues to Proper Waste Management in Sri Lanka

- Scarcity of adequate and proper dump sites.
- Lack of adequate technical staff & financial constraints.
- Poor attempt in implementing legal action.
- Public Protest due to social and religion based perceptions
- Unreasonable Political Interference





Thank You

