

# Overview of IGES-YCDC joint workshop on waste management

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# Overview of the International Workshop in Yangon

- ❑ International workshop on sustainable waste management in Yangon was held at City Hall, Yangon on 20 December 2013.
- ❑ More than 50 people participated in this workshop representing different government organizations, private sectors, NGOs



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# Part I: Myanmar's Waste Management Policies



Mr. Than Lwin Oo, the Head of Department of YCDC presented the overview of the waste management in Yangon



Then assistant director of MOECA, Mr. U Hla Maung Thein presented Myanmar's pathway for national waste management policies

# Current and Future Waste management in Yangon

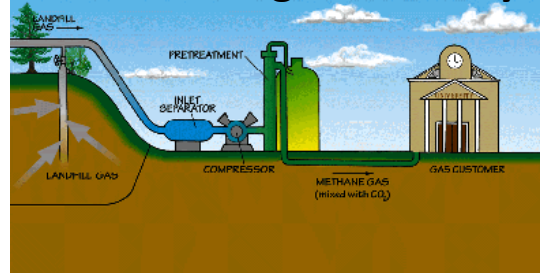
## Current situation

### 1. Dumpsite at HtainBin



## Future plan

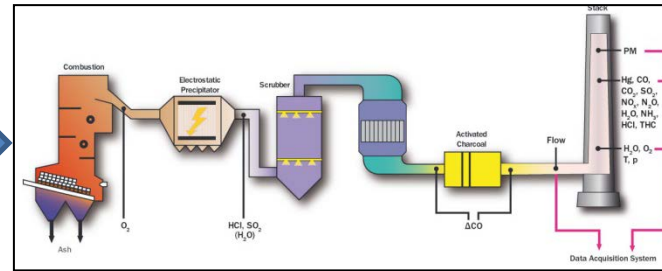
### Landfill with gas recovery



### 2. Dumpsite at Htwei Chaung



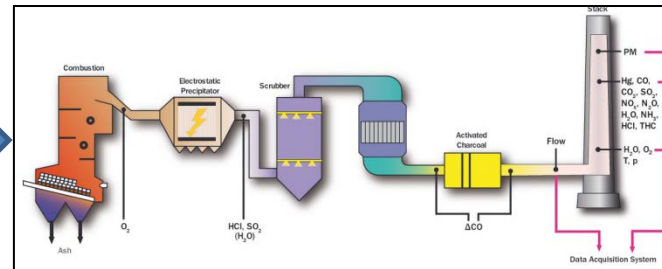
### Incineration **with** electricity recovery



### 3. Four small dumpsites



### Incineration **without** electricity recovery



# Part I: Myanmar's Waste Management Policies

## Main issues in Solid waste management in Yangon

- Lack of detailed planning of waste management
- Inefficient waste collection system
- Old equipment for waste collection and transportation
- Improper final disposal
- Unclear enforcement of hazardous/infectious waste management
- Weakness of SWM regulations

# Part I: Myanmar's Waste Management Policies

## The Policy and Goals for Yangon

- R & D is required on clean air, clean land and clean water
- Need to integrate the action plans for ambient and indoor air quality monitoring and upgrading
- Need to update the legislative system for EIA practice
- Need to enhance the technique on “waste to energy” processes
- Should promote greater awareness of environmental and health risks from poor environmental planning and management
- Should upgrade the city as a green clean and healthy liveable city.

# Part I: Myanmar's Waste Management Policies

## The way forward in Myanmar (View of MOECAAF)

- ❑ Formulate national waste management strategic policy framework
- ❑ Develop national waste management rules and regulations
- ❑ Develop sectorial waste management regulation and guidelines
- ❑ Promote green investment in waste sectors
- ❑ Formulate environmental quality standards
- ❑ Identify priority waste issues and action plan
- ❑ Promote appropriate technologies
- ❑ Promote people participation through environmental awareness program
- ❑ Promote regional level and international level cooperation
- ❑ Strengthen institution and capacity building and also coordination mechanism

# Part II : Towards low-carbon waste management: an opportunity of integrated waste management system



Dr. Nirmala Menikpura presented integrated waste management as an approach for GHG mitigations



Mr. Gen Takahashi from JFE Engineering spoke about the feasibility of incineration technologies



Mr. Takanobu Iwasaki from Tokyo Metropolitan Government presented the Mechanisms to engage local communities for waste management



# Part III: Understanding the full picture of international cooperation



Mr. Kenta Usui from IGES presented the concept of Japanese Joint Crediting Mechanism



Mr. Takanobu Iwasaki from Tokyo Metropolitan Government spoke about the Yangon -Tokyo Cooperation on Waste Management



Then assistance head of YCDC, presented GIZ's initiative on waste management in Yangon on behalf GIZ

## Part IV: Panel discussion: “the way forward for Myanmar,”

- ❑ In this session, a distinguished panel of experts were discussed some key issues related to sustainable waste management in Yangon

- Mr. Takanobu Iwasaki from Tokyo Metropolitan Government
- Mr. Gen Tahakashi from JFE engineering
- Mr. U Hla Maung Thein from MOECAAF
- Mr. Gaetano Romano from CESVI
- Mr. Kin win from YCDC

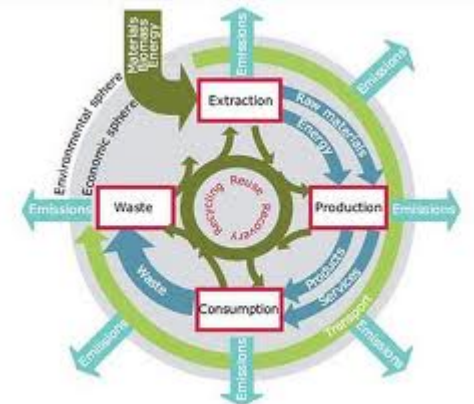
The speakers expressed their opinions and suggestions related to:

- ❑ how to promote an efficient waste collection system
- ❑ how to make waste management financially sustainable
- ❑ how to promote low carbon waste management in Yangon with international cooperation
- ❑ how to effectively coordinate increasing international support
- ❑ how to engage communities to work on waste management

# Part IV: Panel discussion: “the way forward for Myanmar,”

## Key messages from the Panel Discussion

- ❑ International cooperation is very important
- ❑ Private public partnership is essential for sustainable waste management.
- ❑ Collaboration at national level and international level is another important issue
- ❑ Life cycle management including life cycle cost assessment is lacking, and it should be considered for enhancing sustainable waste management.



# Key message to the participants

- ❑ It might be very competitive to work with YCDC since many international organizations are already involved with various activities in different sectors
- ❑ In order to understand the overall picture of waste management in the near future, it is necessary to engage with all the key stakeholders who will involve in the intended waste management in Yangon

# THANK YOU VERY MUCH FOR YOUR ATTENTION

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