



CAMBODIAN EDUCATION WASTE MANAGEMENT ORGANIZATION
WWW.COMPED-CAM.ORG

SOCIAL WASTE MANAGEMENT CENTER IN BATTAMBANG CITY

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Cities (HLSESC)**

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(1) Organization COMPED

- NGO, Registered at MOI in 2003
- Involve in solid waste management since 2001
- 2001 – 2009 Compost project in Phnom Penh.
- Social Waste Management Center in Battambang (social and organic waste recycling center (composting and biogas plants) .
- 10 t (22m³) organic market waste can be utilized every day.



(2) Waste Management Situation in Battambang City

- Responsible by the city authority (sub-degree 36 on solid waste management),
- Collection, transport waste by private company CINTRI and market association,
- Domestic waste generation : 87.13 ton/day; no separation at source,
- 65 -70 % is organic waste ,
- Dispose site: **only 1ha** (currently) for 70 t/day (CINTRI 2011).

Domestic Waste	Waste discharge	Compost able waste	Recyclable waste	Density
Household Waste	0.60 Kg/Person/day	75%	4%	181.50 kg/m ³
Restaurant	22 Kg/Day	78%	8%	335.13 kg/m ³
Hotel/Guesthouses	10 Kg/Day	43%	12%	100.28 kg/m ³
Market waste	25000* Kg/Day	86.5%	9.5%	219 kg/m ³

* biggest market “Psa Boeung Chhouk”

Reference: Result waste analysis , October 2011. COMPED, Waste Concern and UNESCAP

The way how to extent landfill life and reduce waste amount on dump site (currently)



Open Burning ! ! !

One way of many how to extent landfill life and reduce waste amount (environmental friendly) = **COMPOSTING**



SAB – Social Center Waste Management
8000 m² (city land), next to dumpsite, with the current situation
able to process organic market only waste 10 t/day (22m³/day).

Why Centralized Composting

No
source
separation

- composting site must be direct on dumpsite, cause of rejected waste.

No
integrated
SWM

- Nobody (stakeholders) feels responsible for the delivery organic waste to the compost facility.

Limited
awareness
on SMW

- Decentralized composting not acceptance by residents. Lack of willing and participant.

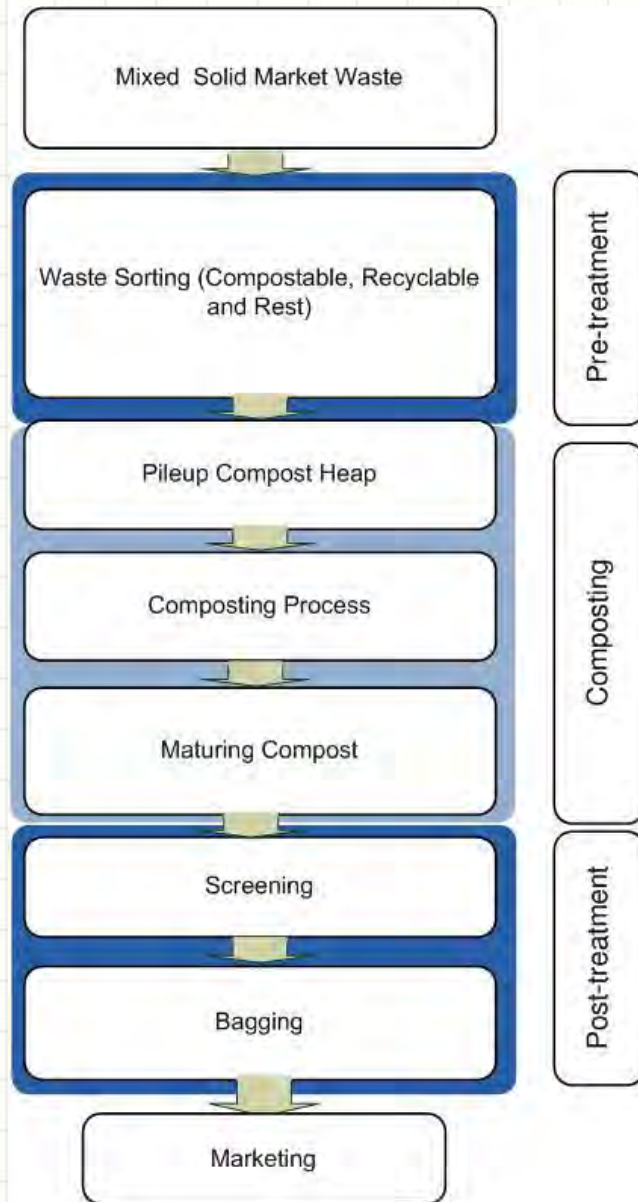
Policy
Regulation
Guideline

- No decentralized composting policy,

Incentive
Subsidize

- Providing land (not always), but
- No disposal fee.

Why open windrow turned composting



- 100% Sorting out rejected waste is not possible.
- Sorting out rejected waste is still required.
- Sorting out of small rejected waste like stone plastic and glasses is very important.

Compost Production

N nitrogen > 1.32%

P phosphorus > 1.72%

K potassium > 2.24%

pH value of 7.0-7.5.





**THANK YOU FOR YOUR
KIND ATTENTION**