



# Polychlorinated Biphenyls (PCB) Management in Myanmar

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# Presentation Content

- Implementation on Stockholm Convention in Myanmar
- Institutional Policy and Regulatory Framework
- PCB Inventory in Myanmar
- Main Issues for PCB Management
- Current Status of PCB in Myanmar



## Implementation on Stockholm Convention

• Stockholm Convention in Myanmar → 18-7-2004

• POPs Enabling Activities Project →

**Implementation Body**

MONREC+UNIDO+GEF

**Duration**

2015 - 2018

**Activities**

- Capacity Building
- POPs Inventory

**Project's outcome**

National Implementation Plan

• National Implementation Plan (NIP) → 6-1-2021



# Institutional Policy and Regulatory Framework

## Institution related with POPs

- ❖ Ministry of Natural Resources and Environmental Conservation
- ❖ Ministry of Industry
- ❖ Ministry of Agriculture, Livestock and Irrigation
- ❖ Ministry of Commerce
- ❖ Ministry of Science and Technology
- ❖ Ministry of Health

## Regulations related with POPs

- ❖ Environmental Conservation Law (2012)
- ❖ The Prevention of Hazard from Chemicals and Related Substances Law (2013)
- ❖ The Prevention of Hazard from Chemicals and Related Substances Rule (2016)
- ❖ The Pesticide Law (1990)
- ❖ The Plant Pest Quarantine Law (1993)

# PCB Inventory in Myanmar

No	Division/ State	Total Transformer in whole Myanmar								Inventoried Transformer					
		230 KV	132 KV	66 KV	33 KV	11 KV	6.6 KV	0.4 KV	No. of Actual Total Transformer	Total No. of Transformer (230, 132, 66, 33, 11, 6.6, 0.4 KV )	No. of transformer without PCB	No. of transformer contaminated with PCB	Total Amount of Inventoried Transformer oil (kg)	Amount of transformer oil without PCB (kg)	Amount of PCB contaminated transformer oil (kg)
1	Yangon	9		34	750	9083	3482		13358	113	85	28	663935	515731	148204
2	Mandalay	6	11	21	578	7620	52		8288	136	98	38	262208	192828	69380
3	Bago			20	103	3815	27		3965	148	117	31	648507	614977	33530
4	Mon			10	91	1704	28		1833	10	10	-	30446	30446	-
5	Kayah			3	33	651			687	28	23	5	157313	149829	7484
6	Shan			52	101	3504	4	6	3667	76	74	2	186758	186243	515
7	Sagaing			15	248	3151	44	7	3465	31	27	4	233818	211248	22570
8	Kachin			15	57	1180			1252						
9	Nay Pyi Taw				90	2653	9		2752	26	23	3	92453	86859	5594
10	Kayin			7	5	587			599						
11	Chin			4		263			267						
12	Ayeyarwaddy			34	92	2029	9		2164						
13	Tanintharye			4	4	464	9		481						
14	Rakhine			17	7	1071			1095						
15	Magwae			63	48	1987	5		2103	24	16	8	95580	63633	31947
Total		53	35	299	2207	39762	3669	13	46038	592	473	119	2371018	2051794	319224
Percent									100%			1.3%	100%	87%	13%

# PCB Inventory in Myanmar (Continue)



**PCB inventory activities in Myanmar**



# Main Issues for PCB Management

- Lack of Baseline Data
- Financial Support
- Technical Assistance
- Limited Analytical Capacity (Laboratory)
- Capacity Building
- Weak Cooperation and coordination among local and international



# Current Status of PCB in Myanmar

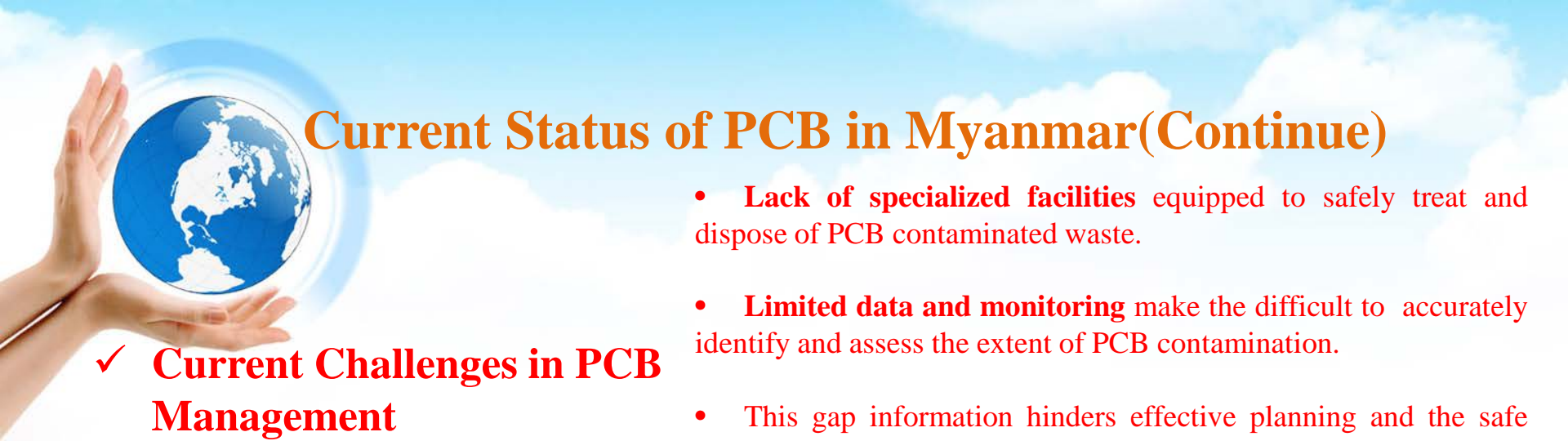
## ✓ PCB Contaminated Sites

- 9 PCB contaminated transformers
- Three main storage sites;
  - Lawpita dump site
  - Hong Hai Substation
  - 24 Hours Distribution and Maintenance Department

## ✓ Key Findings from 2016 Inventory

- **Only 1.3% of transformers** were accounted for, with potential PCB contamination.
- **Actual PCB contamination** may be **much higher** nationwide, posing environmental and public health risks.





# Current Status of PCB in Myanmar(Continue)

## ✓ **Current Challenges in PCB Management**

## ✓ **Project Participation**

## ✓ **Project Implementation Challenges**

- **Lack of specialized facilities** equipped to safely treat and dispose of PCB contaminated waste.
- **Limited data and monitoring** make it difficult to accurately identify and assess the extent of PCB contamination.
- This gap information hinders effective planning and the safe implementation of PCB management practices.
- BCRC-China has invited Myanmar to join the Global Clean-Up Project to meet 2025 and 2028 Stockholm Convention goals for PCB management.
- Myanmar fiscal year runs from April to March
- All the projects require approval from higher authorities
- From the initial stage, project activities and budget timeline must be included to get approval
- After the approval is granted and the agreement is signed, the project can officially commence
- For 2024-2025 budget, the project implementation will not be, it can only be proceed under the 2025-2026 budget



*Thank you for your kind  
attention!*

*Towards the POPs Free in the Future*