



FINAL REPORT
“Energy Conservation Workshop
under ASEAN-Japan Energy Efficiency Partnership
(ECAP 17)”

Submitted by
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Tokyo

Outline



- I. Key Findings from ECAP 17
- II. Baseline data for Zero Energy Building (ZEB) Ready
- III. Continued effort of the BEC/GBC implementation
- IV. Challenges and possible support needed for the implementation

Key Findings from ECAP 17



1. How to set up benchmark system
2. Highly efficient energy saving technologies in Japan ZEB buildings
3. How to support the information to all levels
4. National Building Energy Labelling for Government Buildings (Malaysia)
5. Improve capacity building for contractor, Civil Engineers and Architects , etc.
6. Awareness raising on business operators



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Baseline data for Zero Energy Building (ZEB) Ready

- Difficult to collect the data and conflict on data
- Simulation only supported by ECCJ

- Building Model : A standard building in Myanmar
- Building Type : Office
- Building Size : 8-stories, 2400sqm
- Location : Yangon

The energy consumption of a standard specification building in Myanmar is $954 \text{ MJ/sqm} \cdot \text{a}$ ($98 \text{ kWh / sqm} \cdot \text{a}$)



Road Map for Law Formulation



Sr.	Description	2018				2019				2020			
1.	Preparing EE&C Law Final Draft			Yellow									
2.	Submission Final Draft to Authorized Person				Brown								
3.	Assessing the Law by the Commission					Blue	Blue	Light Green					
4.	Discussion on the Law within Parliament							Yellow	Pink				
5.	Public Consultation								Purple	Light Green			
6.	Decree on Energy Management System			Orange	Orange								
7.	Regulations on Energy Manager & Auditor System			Orange	Orange								
8.	EC Guidelines	Green	Green	Green	Green	Pink							
9.	EC Handbook		Dark Green	Dark Green	Dark Green	Dark Green	Light Green						
10.	Standardization and Labelling					Pink	Pink	Pink	Pink	Pink	Light Green	Light Green	Light Green
11.	Public Consultation										Yellow	Yellow	Yellow

Challenges and possible support needed for the implementation



Limiting load and natural energy utilization



Effective and efficient use of energy



Creation of energy

- ❖ Investment Cost (Payback period is too long)
- ❖ Awareness raising (Comfortable, reliable, affordable, sustainable)
- ❖ Capacity building
- ❖ Material available
- ❑ Technical assistance supported by ECCJ (possible)
 - a. Baseline data for ZEB Ready,
 - b. EC Guidelines for Building (Equipment based),
 - c. Benchmark system by building types



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Your kind suggestions, comments and cooperation
are welcome.

Thank you!

