

#### FINAL REPORT

"Energy Conservation Workshop under ASEAN-Japan Energy Efficiency Partnership (ECAP 17)"

Submitted by
Energy Efficiency and Conservation Division
Directorate of Industrial Collaboration
Ministry of Industry

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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



### Baseline data for Zero Energy Building (ZEB) Ready

Difficult to collect the data and conflict on data

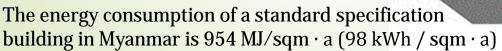
Simulation only supported by ECCJ

• Building Model: A standard building in Myanmar

• Building Type : Office

• Building Size: 8-stories, 2400sqm

· Location : Yangon





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### Road Map for Law Formulation

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





## Continued effort of the BEC/GBC implementation

Sr.	Description	2019			2020					
1	Baseline data for ZEB Ready									
2	EC Guidelines for Building (Equipment based)									MOC, MOEE,
3	Benchmark system by building type									MOE (S&L)
4	Standard and labeling system of home appliances									Developme -nt
5	Discussion on how to implement BEC/GBC									Committee
6	Development on BEC/GBC									MES, MEC
7	National Building Energy Labeling for Government Buildings (propose to our high authority)									

## 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 (Confortable, 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



# Your kind suggestions, comments and cooperation are welcome.









