



# Kingdom of Cambodia Ministry of Mines and Energy

## Cambodia, Toward to Green Building Development

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**Energy Conservation Workshop under ASEAN-Japan Energy Efficiency Partnership “ECAP-20”**

**02-06, December 2019**

**Tokyo, Japan**

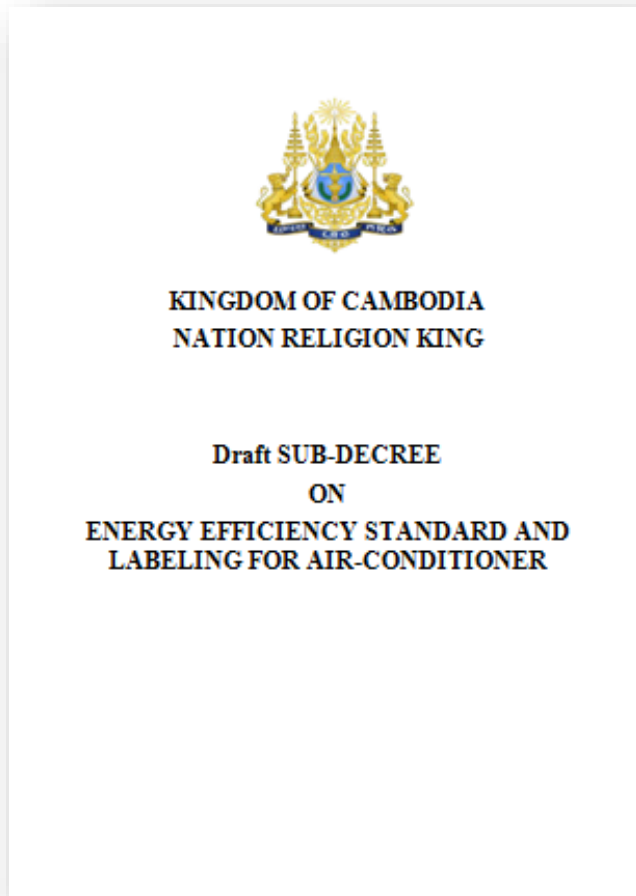
# Outline

- Overview of Energy Efficiency Status in Cambodia
- Draft of National Energy Efficiency Policy
- National EE Policy on Building Energy Consumption

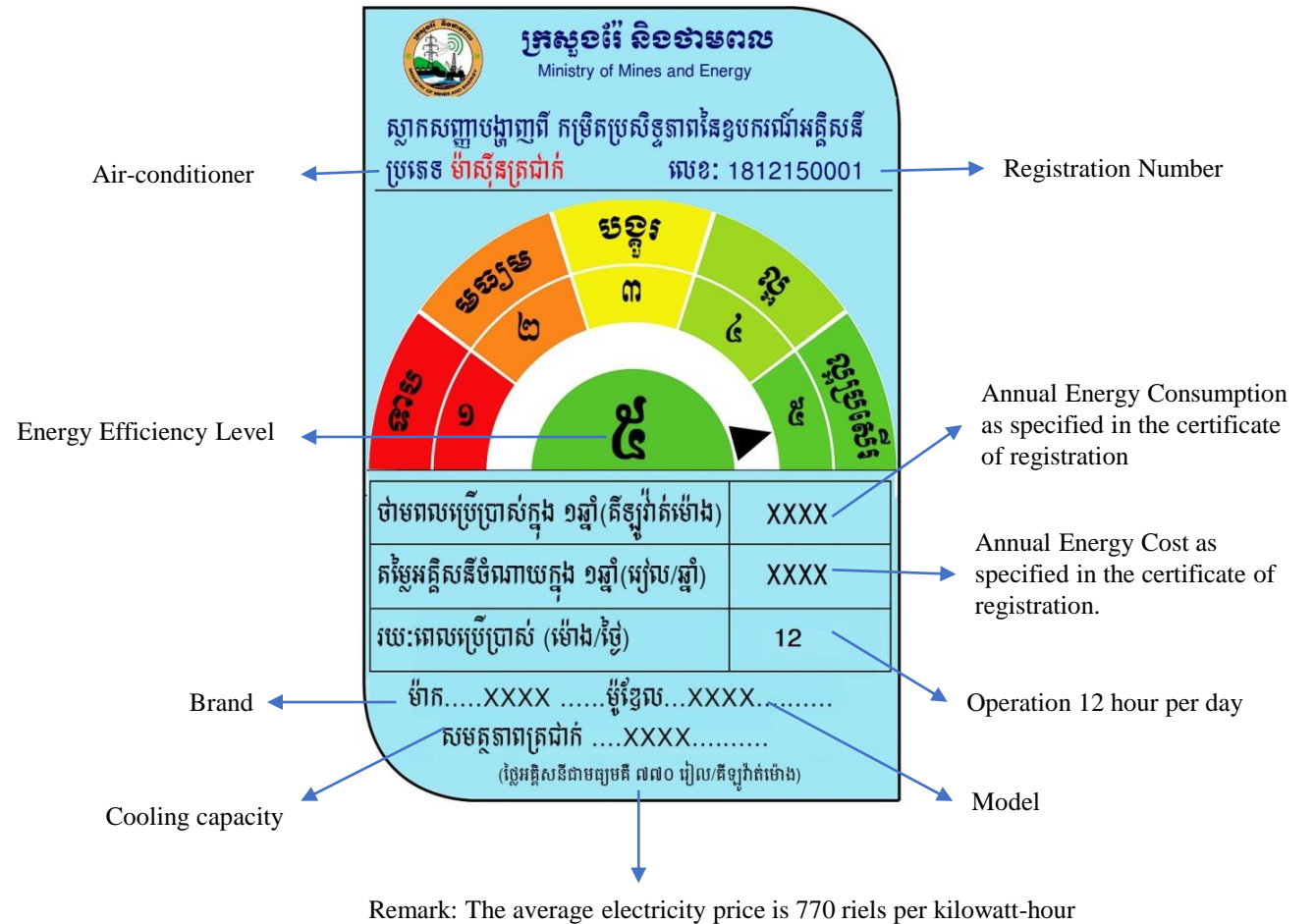
# Energy Efficiency S & L for Home Appliances

- ✍ **ASEAN-Japan Energy Efficiency Partnership Programme (AJEEP)** supported by Energy Conservation Center, Japan (ECCJ)
  - ⤵ Energy Efficiency Standard & Labelling for Air-Conditioners
  - ⤵ Guide on **Minimum Energy Performance Standard Requirements (MEPs)** for Air-Conditioner
  
- ✍ **ASEAN+3 Mitigation Cooperation Programme** supported by Korea Energy Agency (KEA)
  - ⤵ **EE S & L for Refrigerator**

# Energy Efficiency S & L for Home Appliances



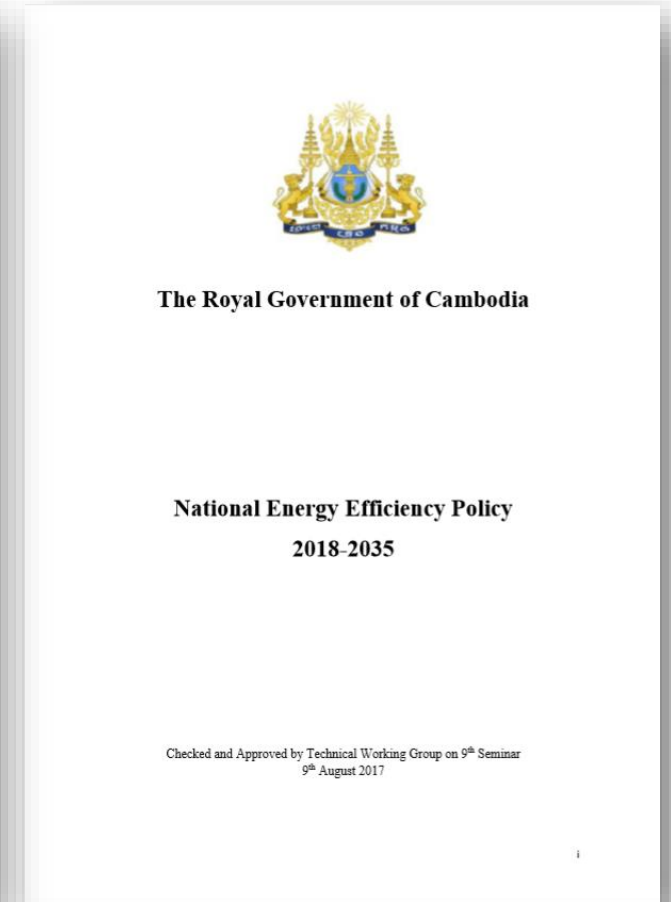
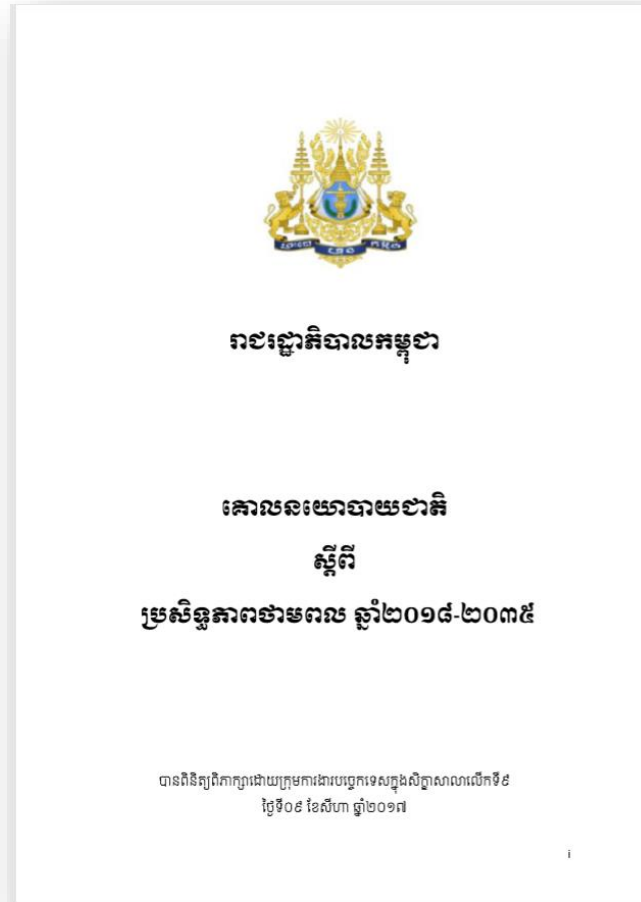
Draft SUB-DECREE on Energy Efficiency Standard and Labeling for Air-conditioner



Energy Efficiency Label for Air-Conditioner

# Cambodia National Energy Efficiency Policy

Final Workshops and Dissemination *Draft* of the **National Energy Efficiency Policy**, dated 21<sup>st</sup> March 2018, supported by the EU Energy Initiative Partnership Dialogue Facility (**EUEI PDF**)



# Cambodia National Energy Efficiency Policy

- National Energy Efficiency Policy has two main goals
  - Improve the management and maintenance of existing infrastructure (e.g. buildings) and industrial processes (e.g. for the use of fuel wood) for increased energy efficiency;
  - Increase the transfer and adoption of energy efficient technology (e.g. fuel efficient vehicles and light bulbs) to reduce energy intensity.
  
- Energy Saving Potential (**building, industrial, & transport**)
  - **20%** in 2035 (BaUs)
    - Energy Consumption: **1 toe** by 2035 (BaUs)
    - Energy Intensity: **65%** in 2035 (2014)
    - CO<sub>2</sub> Emissions: **3 million tons** in 2035, or 28.5 cumulative million tons between 2017

# Cambodia National Energy Efficiency Policy

**4 strategies** to achieve the National Energy Efficiency Policy goals:



Awareness raising



Financial incentives



Capacity building



Standards

# Building Sector

- Standards: National Energy Efficiency **Building Code** would serve as a guide for the selection and use of appropriate design and construction methods and materials, and provide strong signals to potential buyers and renters.
- **Ministry of Mines and Energy** (MME) will lead the development of the Building Energy Code, in collaboration with Ministry of Land Management, Urban Planning and Construction (MLMUPC) and through inputs received using a multi-stakeholder approach.



# Status of Energy Management

**ASEAN-Japan Energy Efficiency Partnership Programme**

(AJEEP) supported by ECCJ (Japan):

- 👤 **2 qualified** Energy Manager Trainers
- 👤 Currently, **2 Energy Manager** Trainees under training program

# Way Forward

- To Develop the Building Energy Code
- To establish the mechanism to promote the energy efficiency in the Cambodia market

# Thank you for your attention

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