

MALAYSIA

Country Report on Energy Code and ASEAN Energy Award

01

02

INTRODUCTION

 New Ministry structure in Malaysia 2018

BUILDING ENERGY CODE

- Malaysia Standard
- Energy Efficiency & Conservation Act (EECA)
- Building Energy Label for Government Buildings
- Green building rating tools

ENERGY AWARDS

03

- Malaysia National Energy Awards (NEA) 2018
- Asean Energy Awards
 (AEA) 2018
- ZEB Family Concept

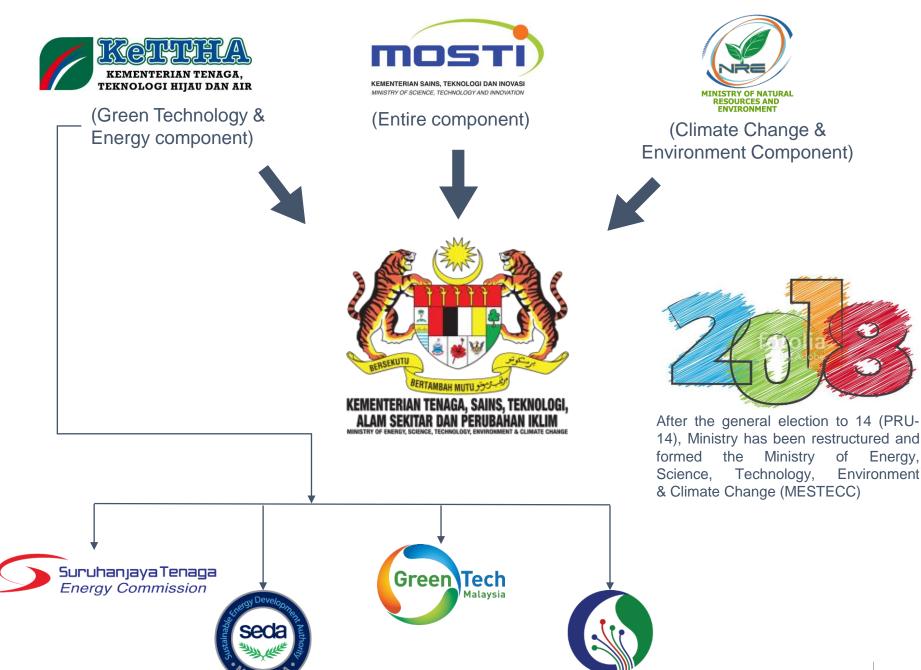
THANK YOU

OUTINE

04



Ahmad Fírdaus



YAYASAN HIJAU MALAYSIA

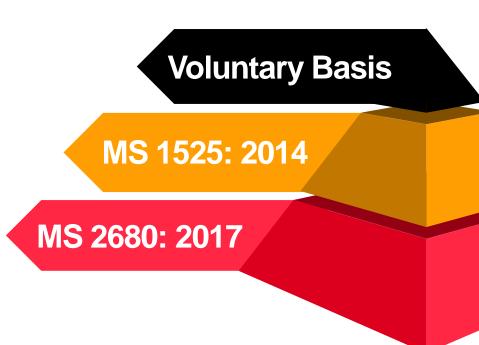
BUILDING ENERGY CODE

MS 1525: CODE OF PRACTICE ON EE AND USE OF RE FOR NON-RESIDENTIAL BUILDINGS

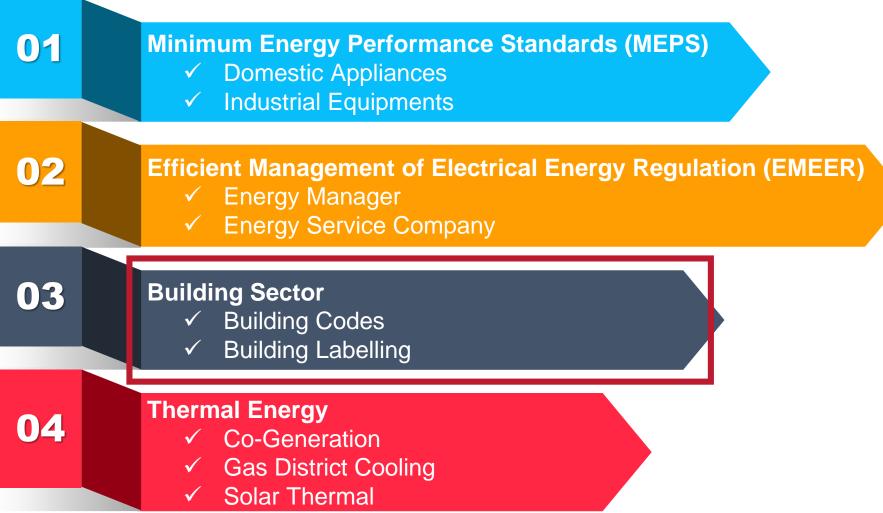
 This code of practice gives guidance on the effective use of energy including the application of renewable energy in new and existing non-residential buildings.

MS 2680 CODE OF PRACTICE ON EE AND USE OF RE FOR RESIDENTIAL BUILDINGS - 2017

• To guide on the design, selection of materials and electrical appliances and efficient use of energy including the application of renewable energy in new and existing residential buildings.



ENERGY EFFICIENCY & CONSERVATION ACT (EECA)



NATIONAL BUILDING ENERGY LABELLING **FOR GOVERNMENT BUILDINGS**



Building category: Office/ Hospital/ University/ School & etc.

*BEI Range

 $BEI \leq 100$

 $100 < BEI \le 130$

 $130 < BEI \le 160$

 $160 < BEI \le 250$

BEI > 250



Star range: -1 Star: Less efficient 5 Star: Most efficient

Building Energy Performance Unit: kWh/m²/year



Phase 1 100 Government

office buildings • NFA > 8.000

- m²: and or
- > 1 million

3,000+ Phase 2 Government

- Buildings: • Office
 - Hospitals Universities

Phase 3

STAR

5-Star

4-Star

3-Star

2-Star

1-Star

- Polytechnics
- Schools
- Hospitals Universities
- Polvtechnics

1,900

Government

Buildings:

• Office

Schools

kWh/year

GREEN BUILDING RATING TOOLS

Voluntary Basis





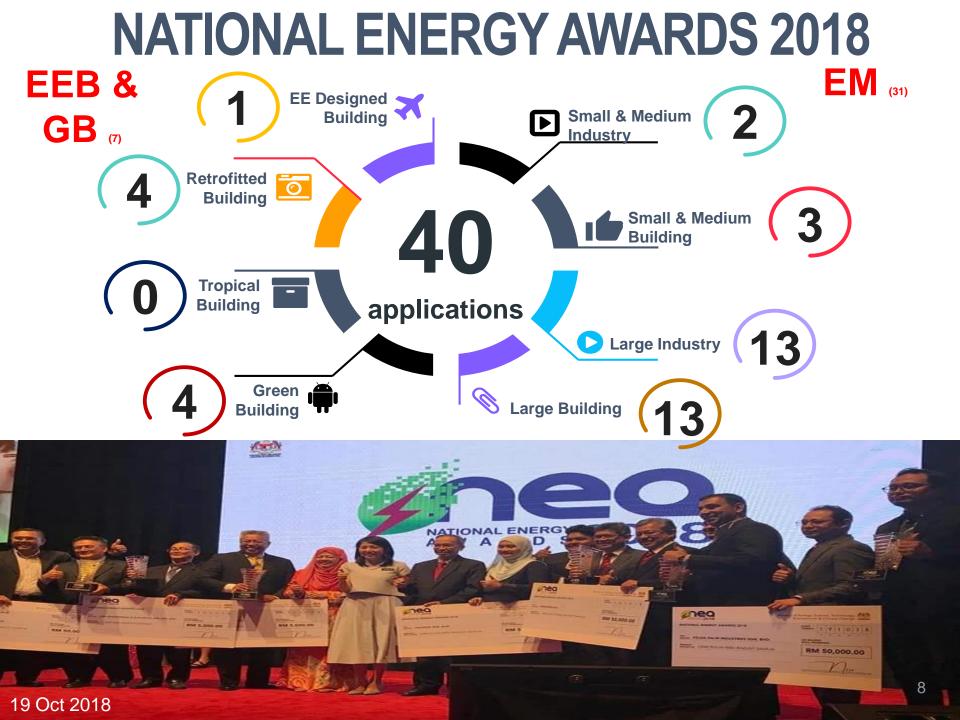








CASBEE ISKANDAR



ASEAN ENERGY AWARDS 2018

CATEGORY	NATIONAL ENERGY AWARDS	ASEAN ENERGY AWARDS
ENERGY MANAGEMENT		
SMALL AND MEDIUM		
1. Buildings	i. Cofreth (M) Sdn Bhd HQ ii. KPJ Kluang Utama Specialist Hospital	1st Runner-Up
2. Industries	 Dutch Lady Milk Industries Sdn Bhd ii. Top Glove Sdn Bhd 	2nd Runner-Up
LARGE		
1. Buildings	i. Public Works Department HQ ii. Kota Kinabalu International Airport	Winner
2. Industries	i. IOI Edible Oils Sdn Bhd ii. BP Petronas Acetyls Sdn Bhd	2nd Runner-Up
SPECIAL SUBMISSION		
GREEN BUILDING & ENERGY EFFICIENT BUILDING		
GREEN BUILDING		
1. Small and Medium		
2. Large	i. PKNS HQ ii. Amanjaya Specialist Centre	Winner 2nd Runner-Up
NEW AND EXISTING BUILDING	i. PKNS HQ	
TROPICAL BUILDING		
RETROFITTED BUILDING	i. Pejabat Perdana Menteri ii. Putra Specialist Hospital Sdn Bhd	1st Runner-Up
SPECIAL SUBMISSION		
JUMLAH	13	7

ZEB FAMILY CONCEPT IN MALAYSIA

 During IGEM 2018 in Kuala Lumpur recently, Malaysia had signed a Memorandum of Understanding (MoU) with Japan which between Sustainable Energy Development Authority (SEDA) and The Japanese Business Alliance for Smart Energy Worldwide (JASE).



THANK YOU