

Internationalisation of Malaysian Construction Industry

5TH BUSINESS FORUM ROAD
ENGINEERING ASSOCIATION OF
ASIA AND AUSTRALASIA
Manila, Philippines

MEGAT KAMIL AZMI MEGAT RUS KAMARANI
*Senior General Manager
Construction Industry Development Board
Malaysia*



Presentation Flow

1

Background

2

Scenario on Infrastructure
Projects Awarded

3

Ongoing & Prospects of
Infrastructure Projects

4

Conclusion

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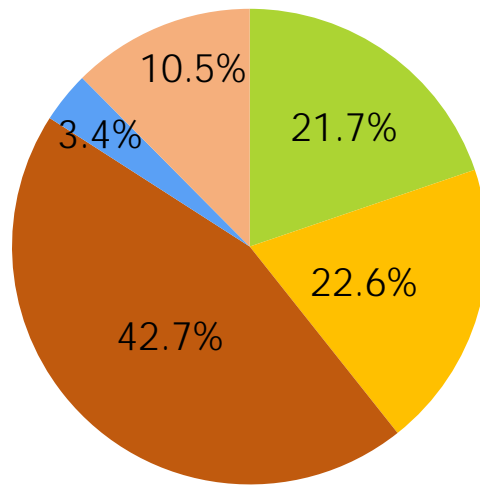


The Transformation of Malaysia

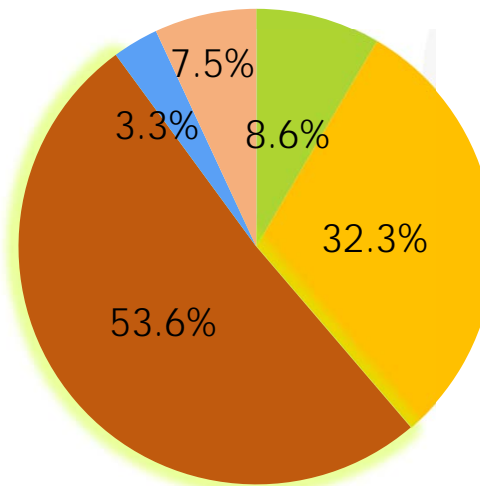


1965
Agro based economy focuses on agriculture, forestry & fisheries

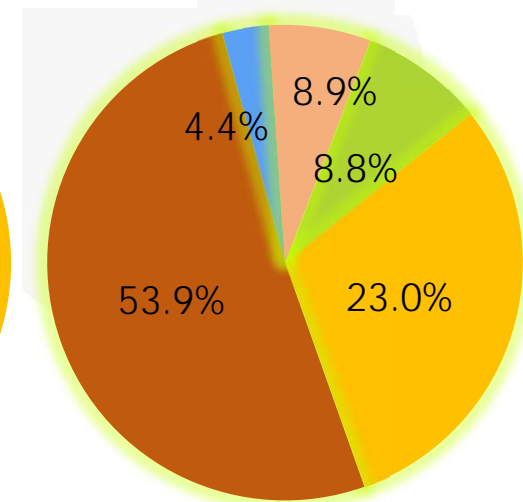
1967 - 1977
Started of new industrial program aided by expansion in infrastructure



GDP Contribution Year 1987



GDP Contribution Year 2000



GDP Contribution Year 2015

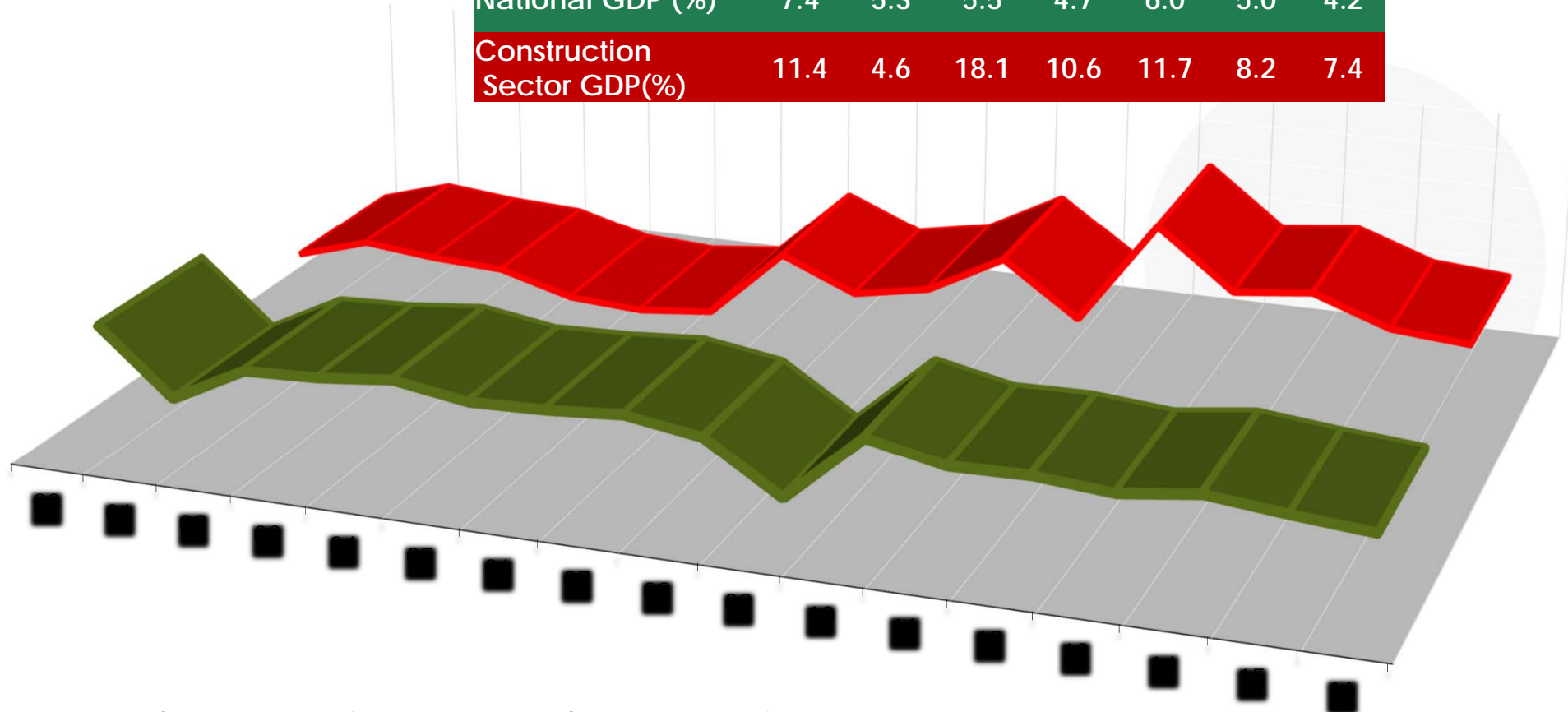


GDP Growth

2010 2011 2012 2013 2014 2015 2016

5

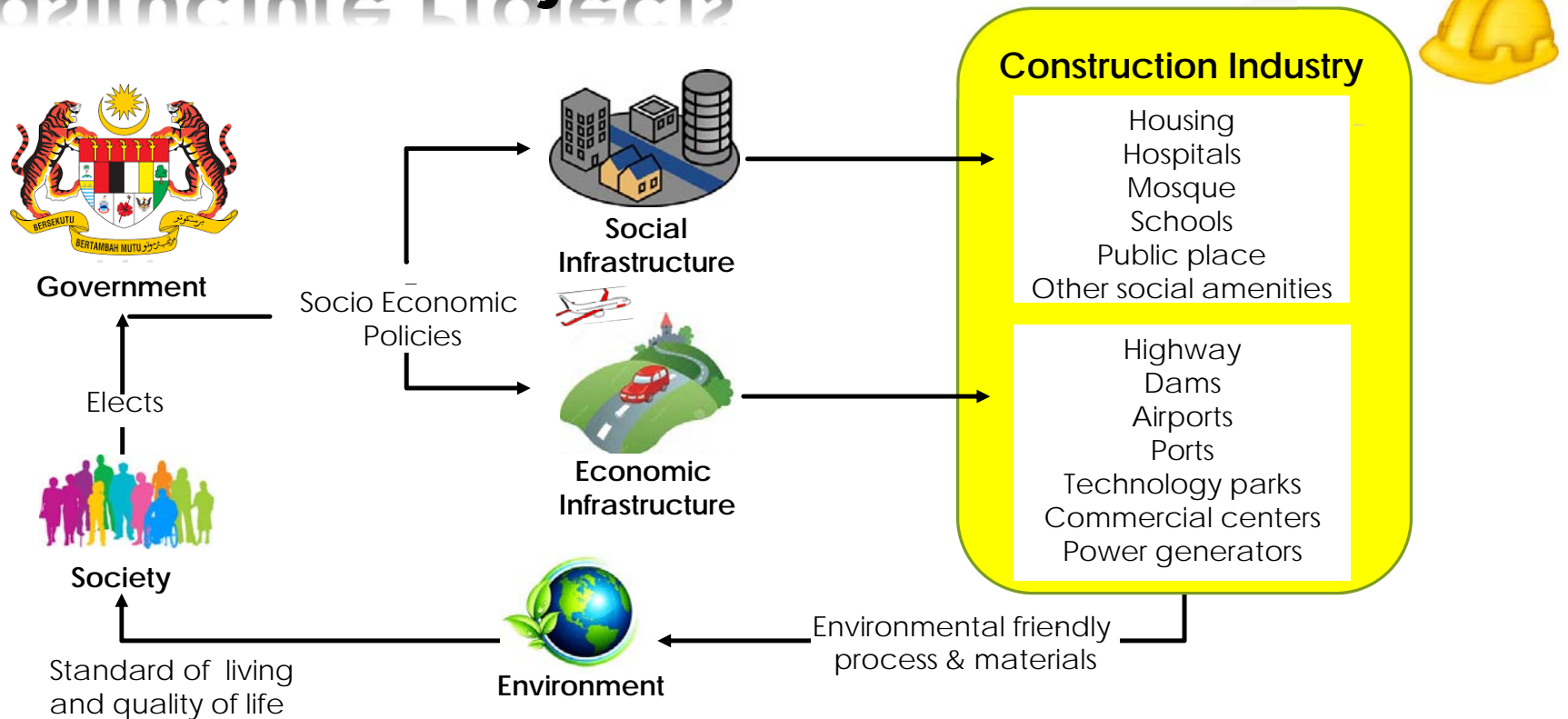
National GDP (%)	7.4	5.3	5.5	4.7	6.0	5.0	4.2
Construction Sector GDP(%)	11.4	4.6	18.1	10.6	11.7	8.2	7.4



Note: 1988-2000 Constant 1987 Prices 2001-2005 Constant 2000 Prices
 Constant 2005 Prices 2011-2015 Constant 2010 Prices

Source: Central Bank of Malaysia 2006-2010

The Importance of Construction & Infrastructure Projects



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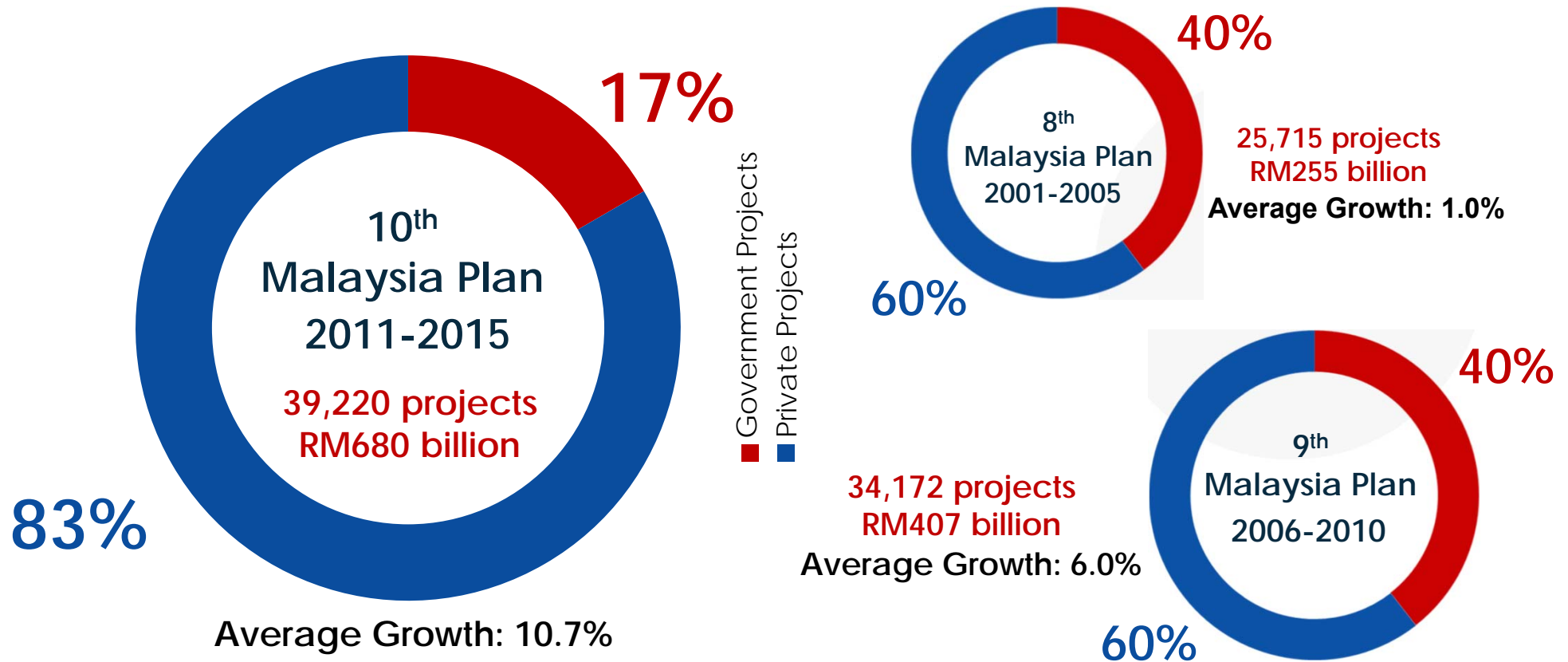
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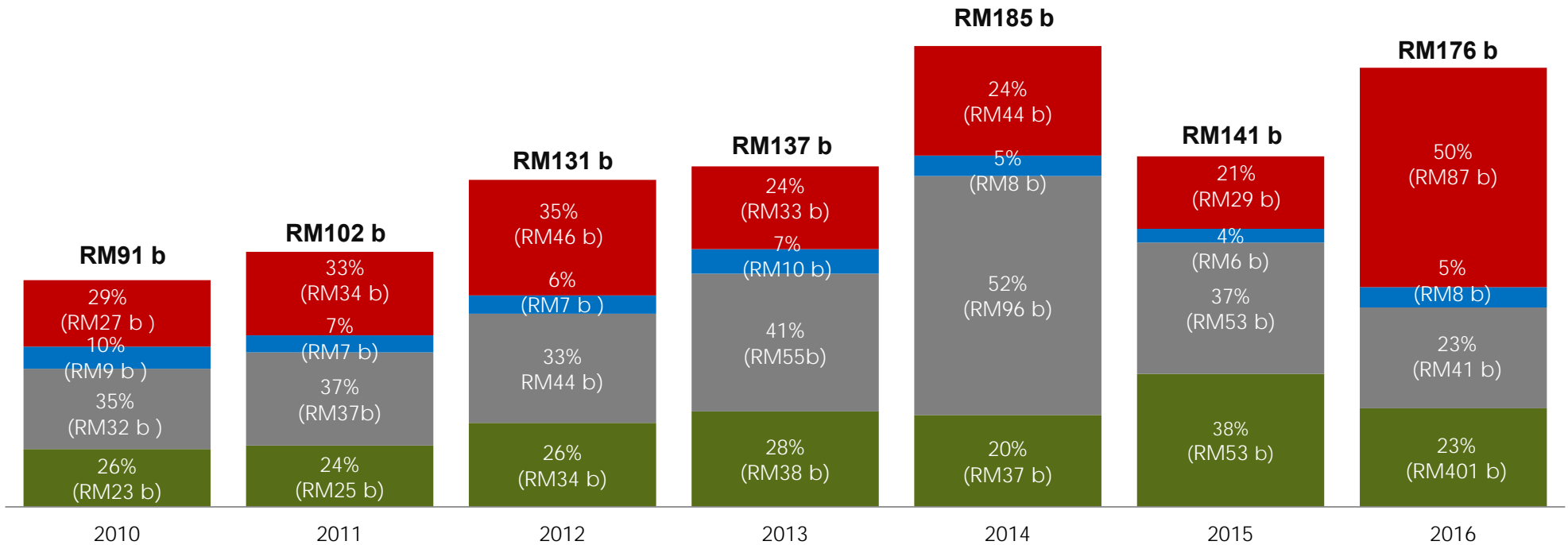
Projects by Malaysia Plan



Source: CIDB Malaysia

Projects by Category

Number of Projects							
Category	2010	2011	2012	2013	2014	2015	2016
Infrastructure	1,751	1,991	1,889	2,028	2,034	2,020	1784
Social Amenities	857	820	918	731	702	723	700
Non Residential	2,563	2,661	2,884	3,075	3,019	2,660	2,302
Residential	2,131	2,253	2,307	2,365	2,321	2,075	1761
Total	7,302	7,725	7,998	8,199	8,076	7,478	6,547



As of March 2017

Source: CIDB Malaysia

Scope of Infrastructure Projects by CIDB Malaysia

10

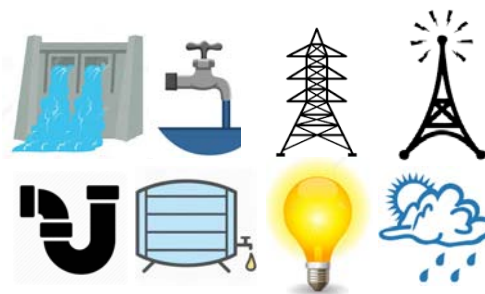


Transport

Roads
Rails
Air & Sea Ports
Stations
Bridges
Tunnels
Traffic lights
Pedestrian
Monitoring systems

Drainage & Sewerage

Sewerage plant
Drainage
River



Utilities

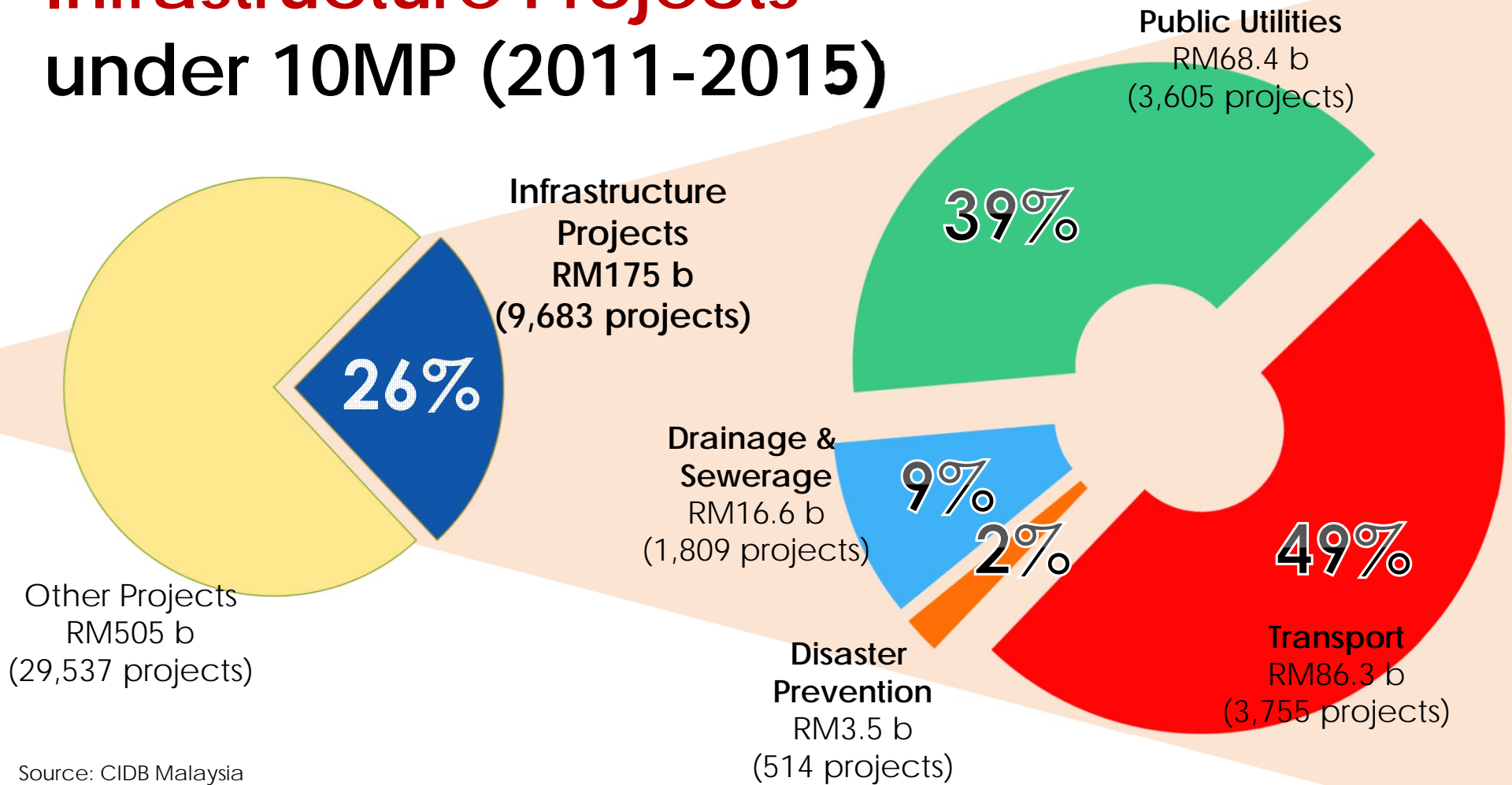
Water filter & supply
Piping
Communication cables,
exchanges & stations
Dam
Water & oil tank
Electric plant & supply
Meteorology station

Disaster Prevention

Flood barrier
Slope protection
Fire prevention
Coastal erosion
protection



Infrastructure Projects under 10MP (2011-2015)

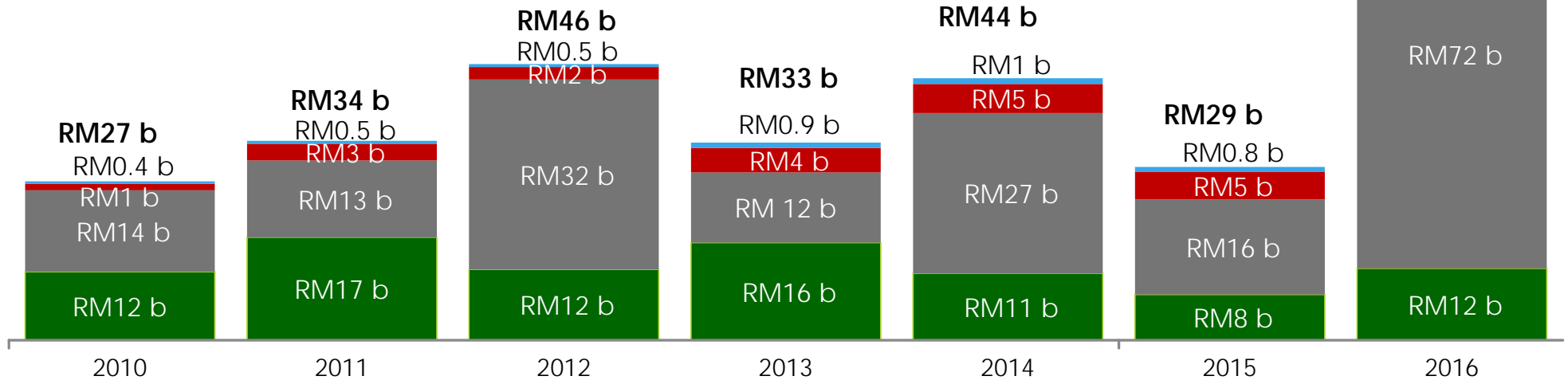


Source: CIDB Malaysia

Infrastructure Projects by Scope

Number of Projects

Sub Category	2010	2011	2012	2013	2014	2015	2016
Disaster Prevention	638	828	656	729	571	569	390
Drainage & Sewerage	775	783	770	762	925	921	901
Transport	238	279	373	408	417	410	377
Utilities	100	101	90	129	121	120	116
Total	1,751	1,991	1,889	2,028	2,034	2,020	1,784

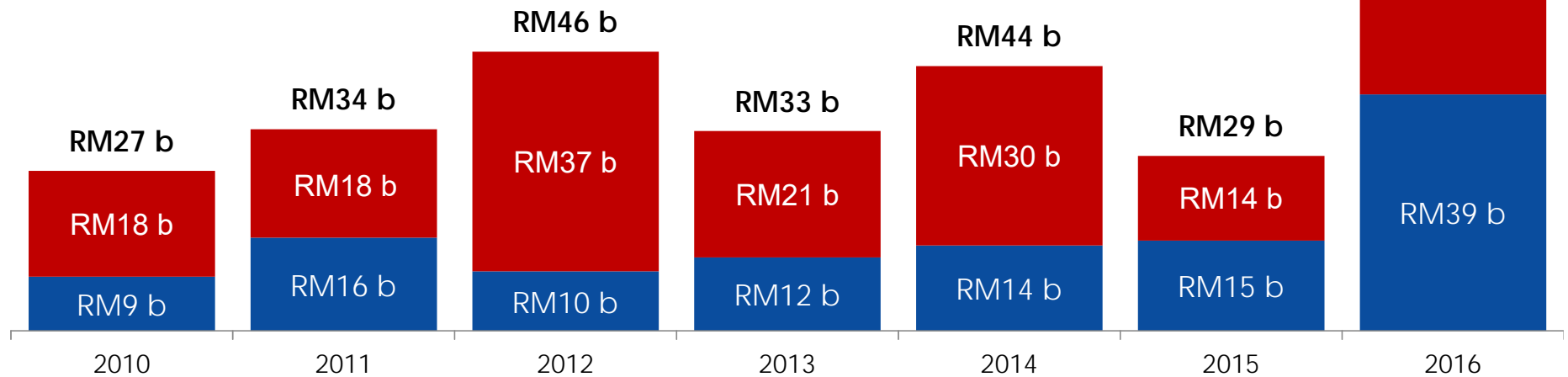


As of March 2017

Source: CIDB Malaysia

Government & Private Infrastructure Projects

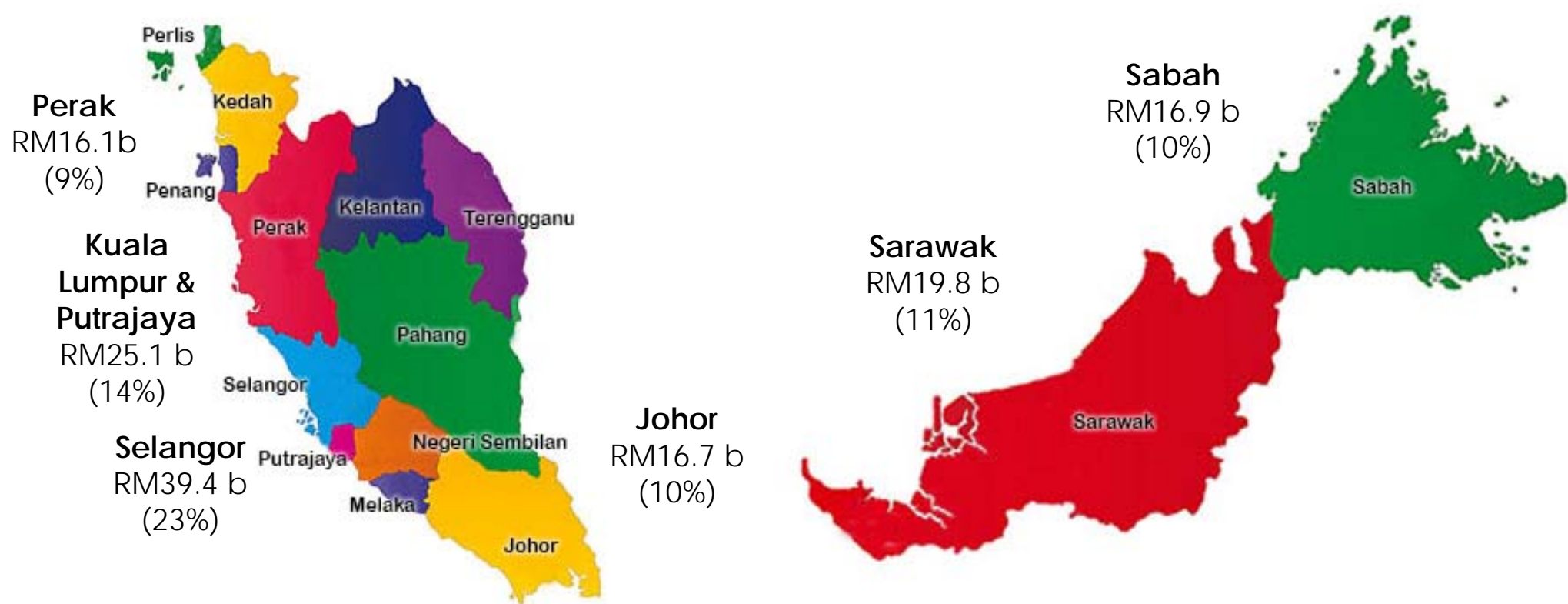
Number of Projects							
Sector	2010	2011	2012	2013	2014	2015	2016
Private	810	973	773	959	853	878	843
Government	941	1,018	1,116	1,069	1,181	1,142	941
Total	1,751	1,991	1,889	2,028	2,034	2,020	1,784



As of March 2017

Source: CIDB Malaysia

Infrastructure Project by State under 10MP (2011 – 2015)

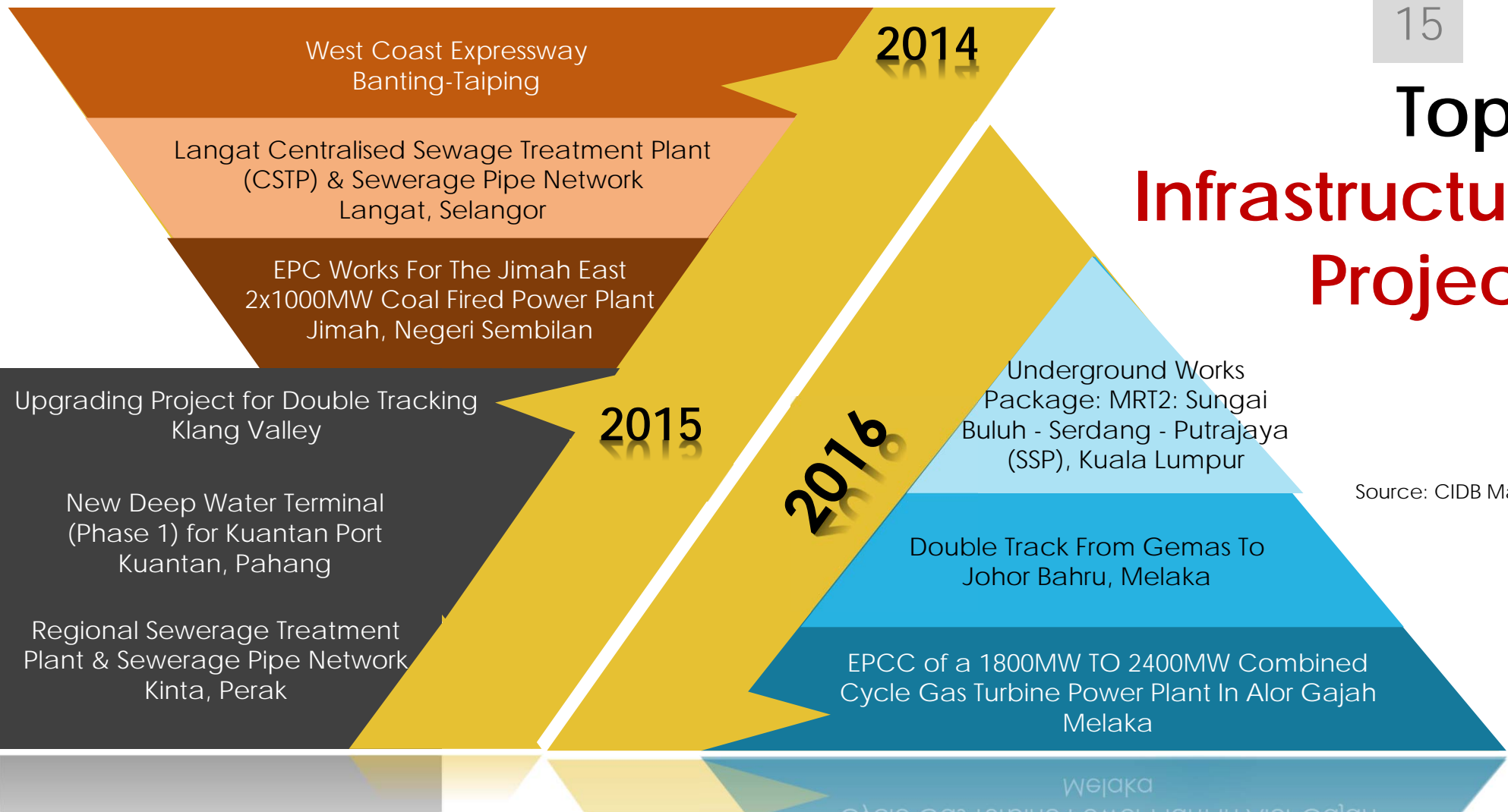


Note: Data indicates state with share value at 9% and above only

Source: CIDB Malaysia

Top 3 Infrastructure Projects

Source: CIDB Malaysia



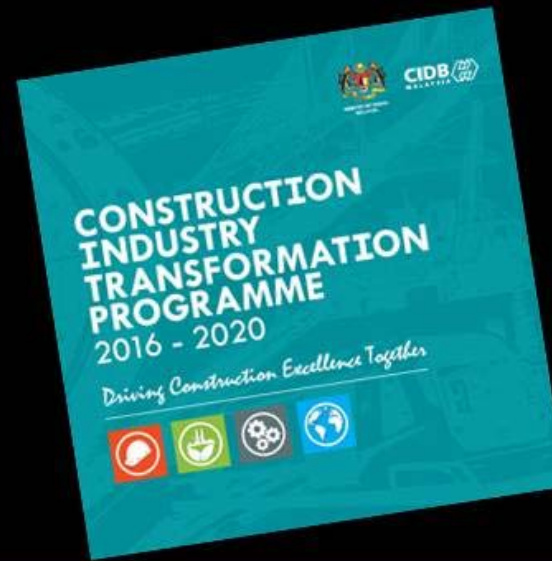


MINISTRY OF WORKS
MALAYSIA

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CONSTRUCTION INDUSTRY TRANSFORMATION PROGRAMME

2016 - 2020



Driving Construction Excellence Together

20 Initiatives

9 Thrust KPIs

110 Initiative KPIs

400+ Partners

15 CIDB Sponsors & Owners



QUALITY, SAFETY
& PROFESSIONALISM



ENVIRONMENTAL SUSTAINABILITY

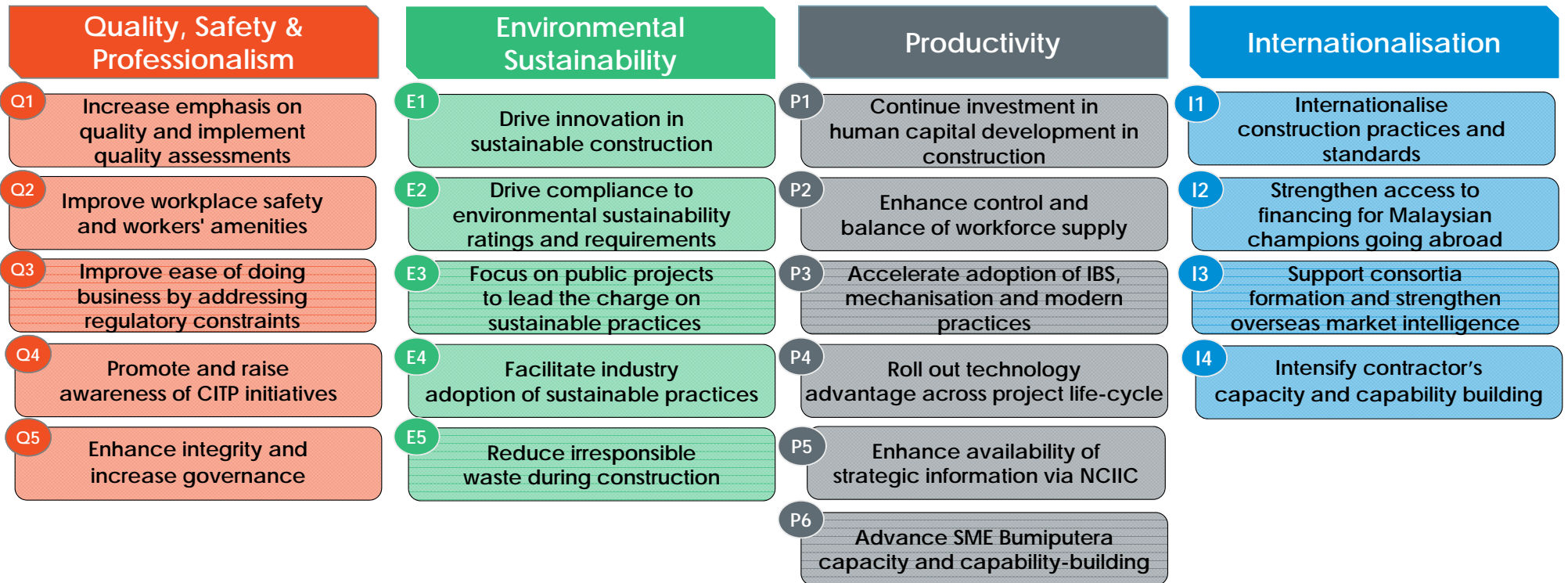


PRODUCTIVITY



INTERNATIONALISATION

20 CITP Initiatives To Transform The Construction Industry Across 4 Strategic Thrusts



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High Impact Infrastructure Projects Announced

19

BUDGET 2017

RM55 b	East Coast Rail Line (ECRL), Klang Valley – Tumpat (600km)
RM2.1b	Build infrastructure and socio-economic in 5 corridors
RM4.6 b	State road maintenance
RM1.3 b	Agricultural infrastructure
RM1.2 b	Build and upgrade 616 village roads and bridges
RM1.0 b	Broadband coverage and quality up to 20Mbps per second nationwide
RM0.7 b	Improve the provision of clean water supply

11TH MALAYSIA PLAN (2016 – 2020)

Regional treatment plant and sewerage pipe networks, Kinta Barat & Papan
2 Dams , Nenggiri & Lembir
Double Tracking , Gemas – Johor Bahru (197km)
Centre Spine Road , Kuala Krai – Simpang Pelangai (390km)
West Cost Expressway, Banting – Taiping (233km)
Langat Water Treatment Plant 2
Malaysian Vision Valley (108,000 hectare)
High Speed Rail, Kuala Lumpur – Jurong East, Singapore (350km)

Mass Rapid Transit 2

Sungai Buloh – Serdang – Putrajaya





Light Rail Transit 3

Bandar Utama – Johan Setia

RM9 b
Development Cost

Q3 2020
Completion

37 km
Length

5
Integrated stations

26
Stations

RM29 b

Construction cost

2021

Completion

1,700 km

Estimated total length

1,090 km

Sarawak section

706 km

Sabah section

Pan Borneo Highway

Sabah and Sarawak

22





RM5.044b
Construction cost

Q3 2019
Completion

233 km
Length



West Cost Expressway (WCE)

Banting - Taiping





Damansara – Shah Alam Elevated Expressway (DASH) (Klang Valley)

24

RM4.178b
Construction cost

Q3 2020
Completion

20.1 km
Length

13
Interchange

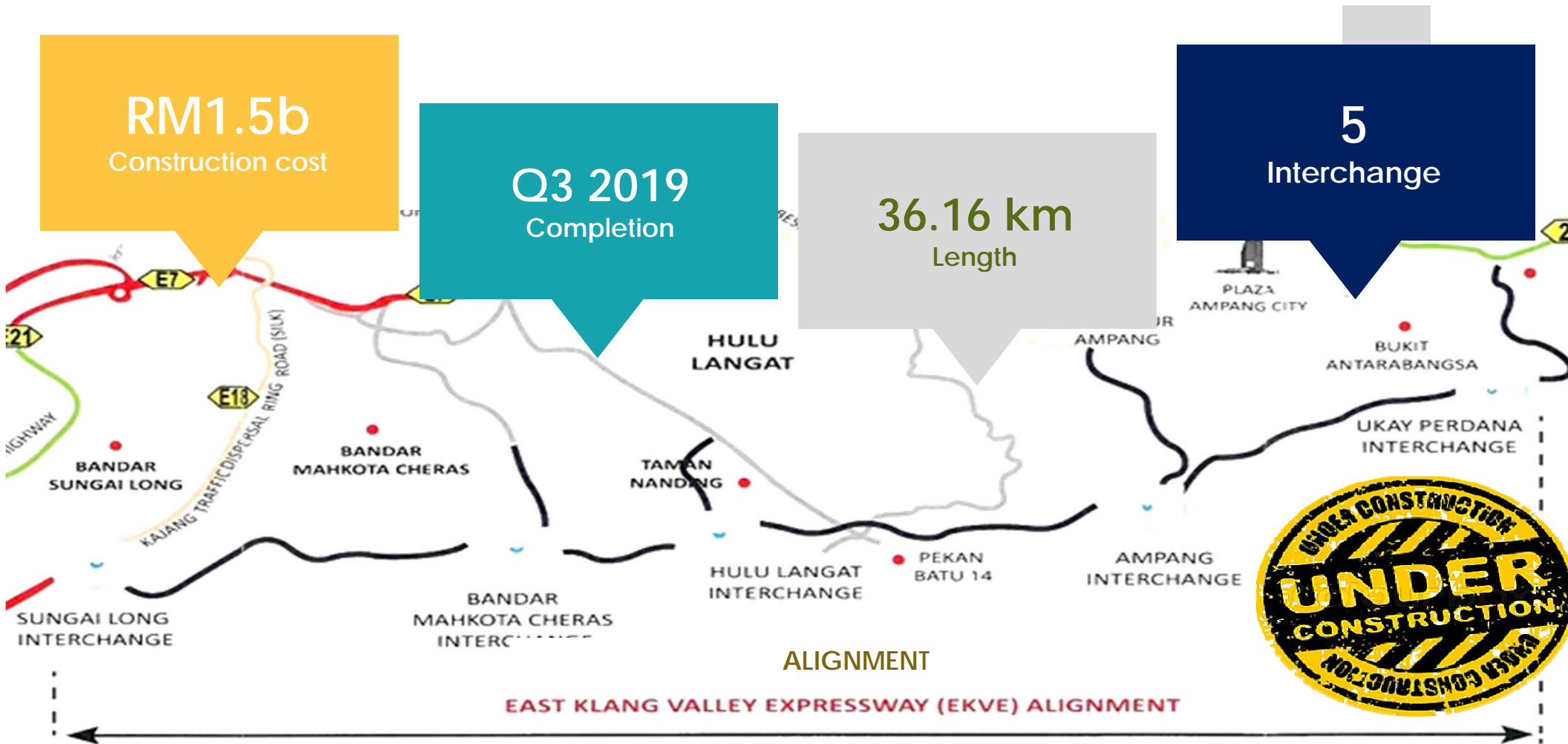


RM1.5b
Construction cost

Q3 2019
Completion

36.16 km
Length

5
Interchange



East Klang Valley Expressway (EKVE) (Klang Valley)



Sungai Besi – Ulu Kelang Elevated Expressway (SUKE) (Klang Valley)

RM60 b
investment by
2020

6,242
acre site

Year 2035
to be a regional oil &
gas hub



Refinery & Petrochemical Integrated Development (RAPID) Johor

Langat Water Treatment Plant 2

Selangor



Year 2014
Start

1.89b
liters
Raw water
treated
per day

Q4 2017
Completion

Pahang – Selangor raw water supply scheme



RM40 b – RM45 b
Estimate project cost

Year 2026
Operation starts

350 km
Length

6
Transit location

90 mins.
Journey time



East Coast Rail Line

Klang Valley - Tumpat

600 km
Rail line

Year 2017
Project start

5 year
Project duration

RM55 b
Construction cost



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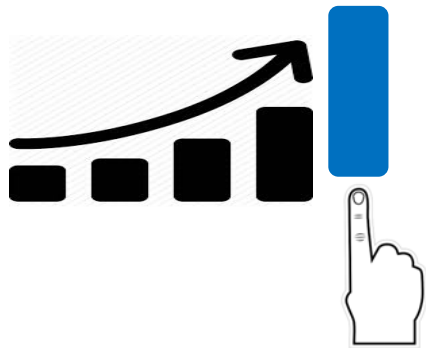
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Rapid Growth

Rapid growth of construction industry presently and in future

Liberalisation

Challenges posed by the market opening through liberalisation

- TPPA
- Bilateral FTAs (i.e: M'sia-Japan; Malaysia-Australia; Malaysia- New Zealand; etc.)
- Regional FTAs (ASEAN-China; ASEAN-Japan; ASEAN-India; etc.)

Transformation

Together we transform the construction industry for the benefit of beloved nation

THANK
YOU!



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