

# Internationalisation of Malaysian Construction Industry

5<sup>TH</sup> BUSINESS FORUM ROAD  
ENGINEERING ASSOCIATION OF  
ASIA AND AUSTRALASIA  
*Manila, Philippines*

MEGATKAMIL AZMI MEGATRUSKAMARANI  
*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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**4** Conclusion

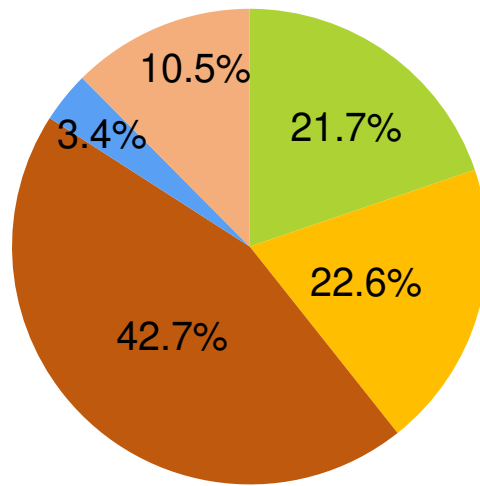


# The Transformation of Malaysia

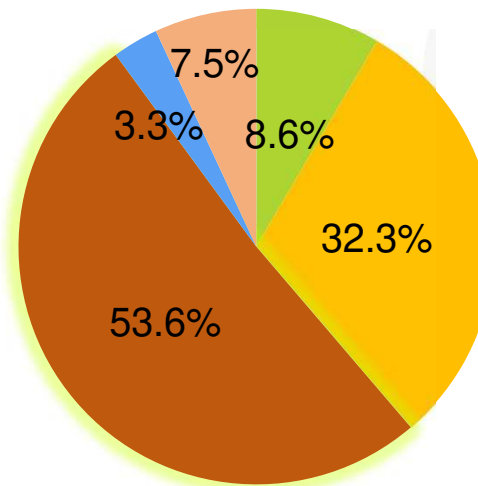


1965  
Agro based economy focuses on agriculture, forestry & fisheries

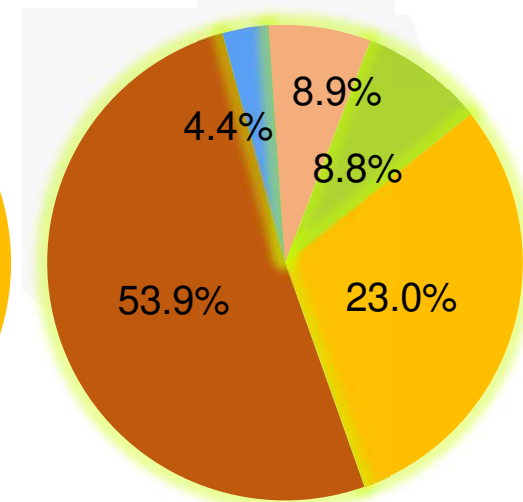
1967 - 1977  
Started of new industrial program aided by expansion in infrastructure



GDP Contribution Year 1987



GDP Contribution Year 2000



GDP Contribution Year 2015

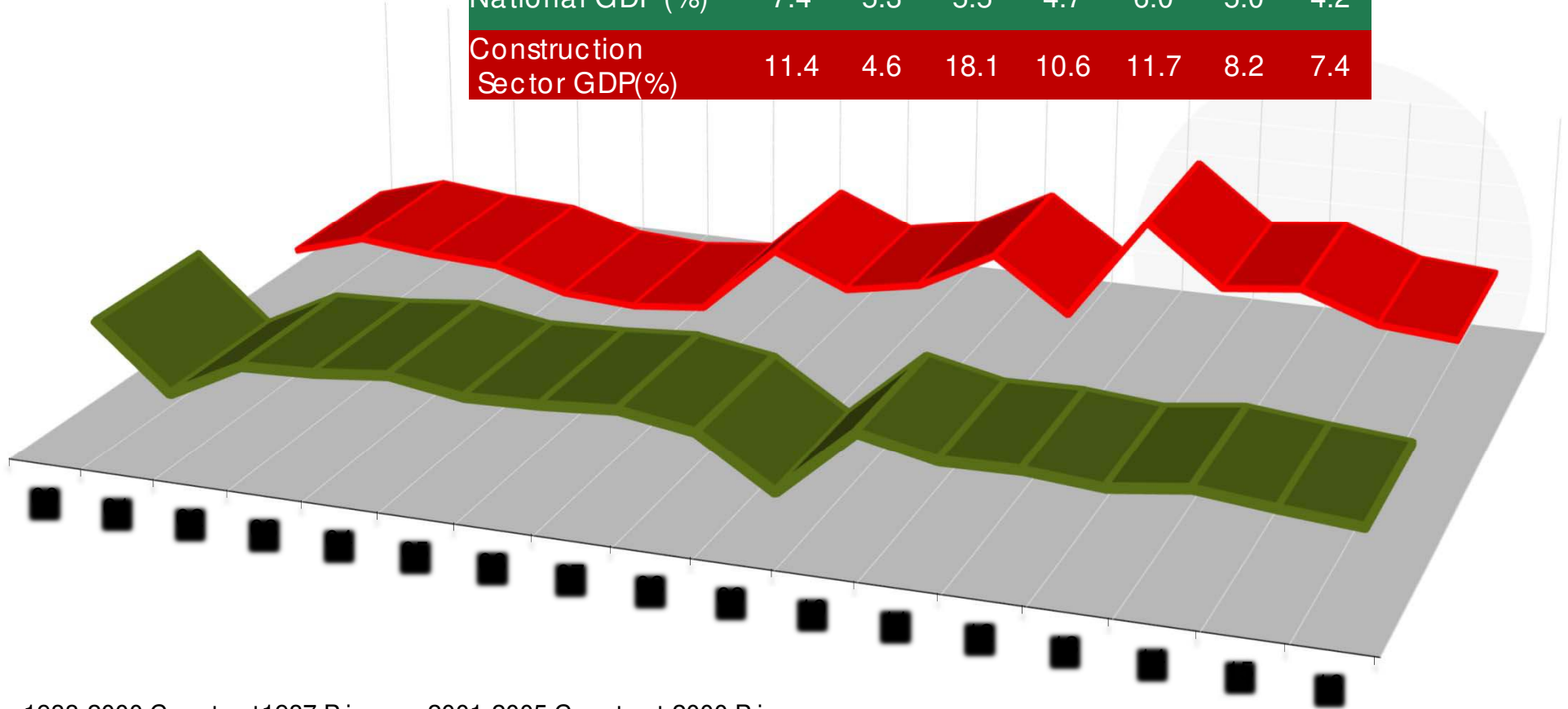


# GDP Growth

2010 2011 2012 2013 2014 2015 2016

5

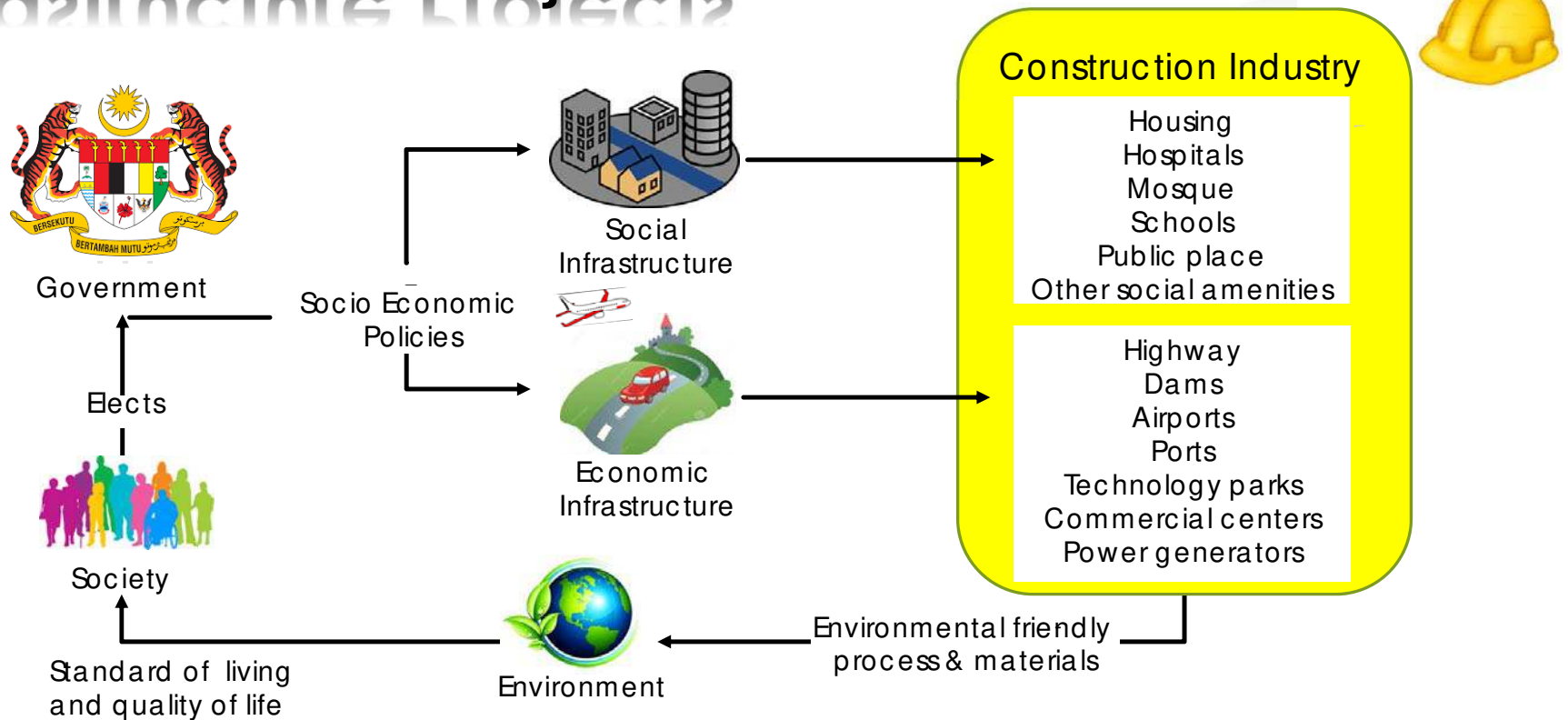
National GDP (%)	7.4	5.3	5.5	4.7	6.0	5.0	4.2
Construction Sector GDP(%)	11.4	4.6	18.1	10.6	11.7	8.2	7.4



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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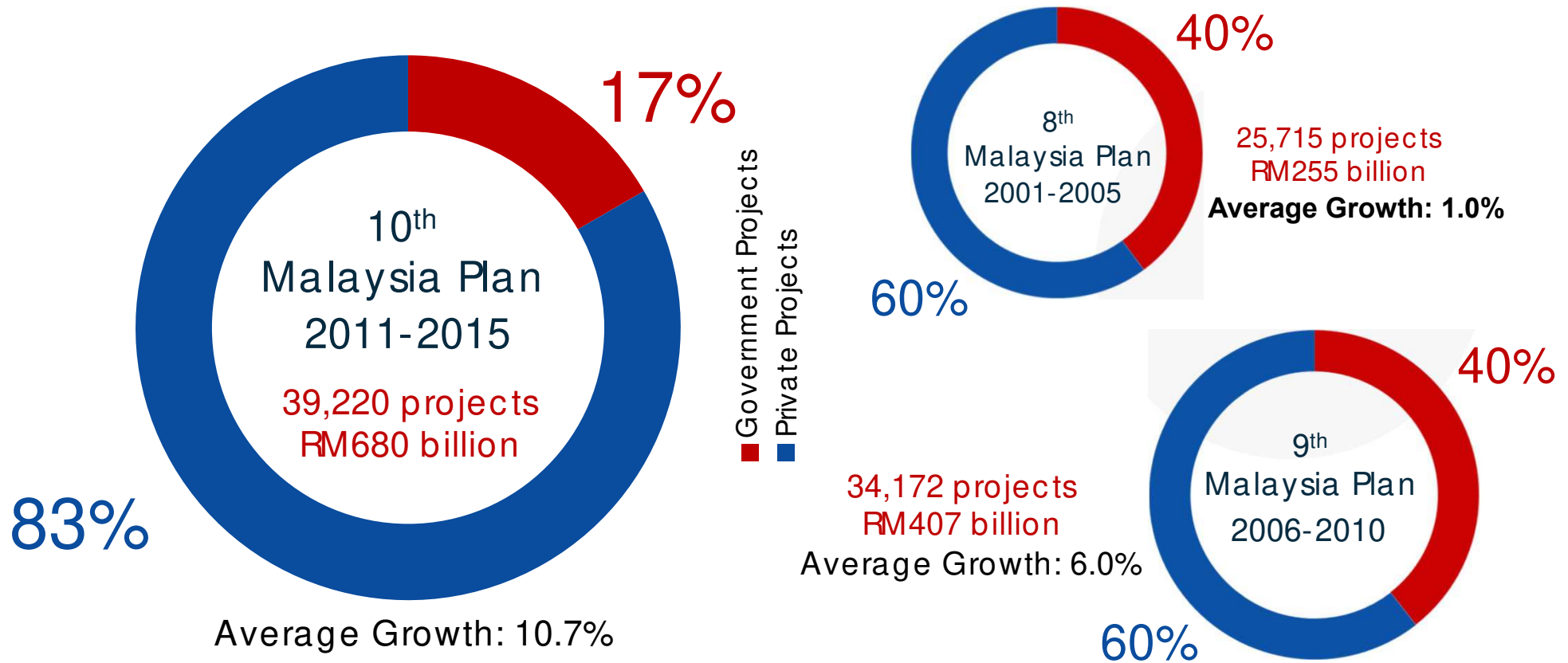
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# Projects by Malaysia Plan

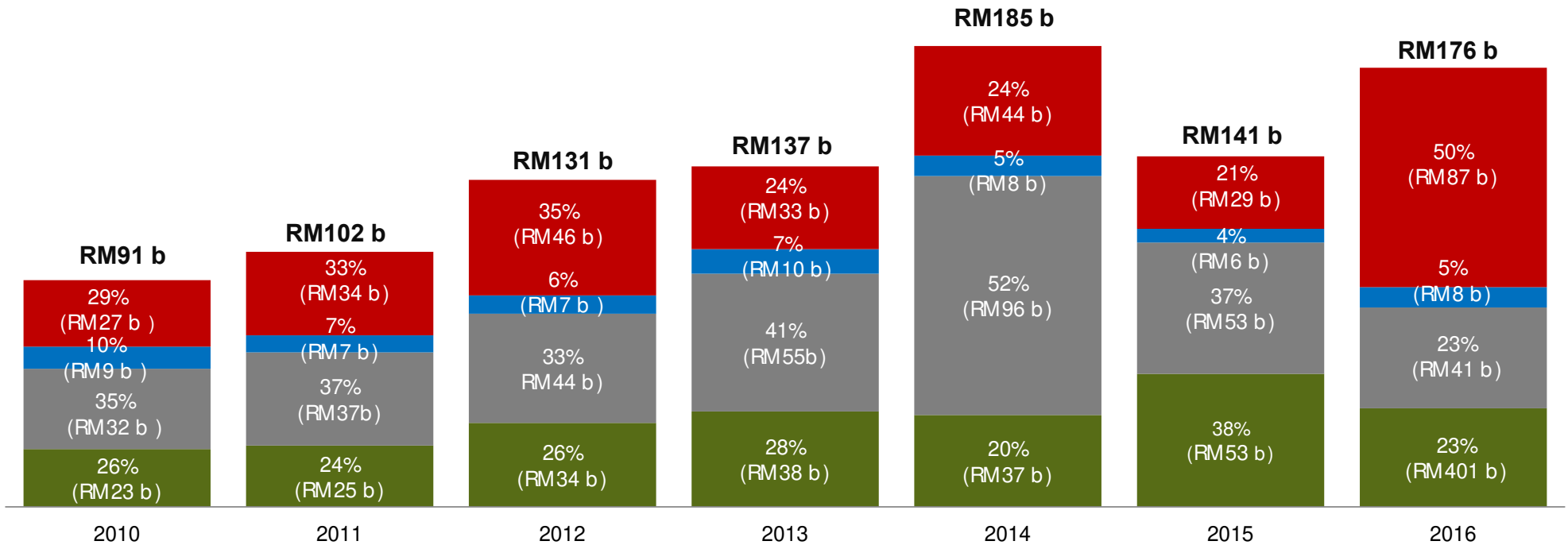


Source: CIDB Malaysia



# 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

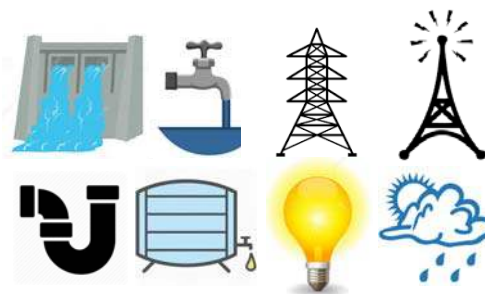


## Transport

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

## Drainage & Sewerage

- Sewerage plant
- Drainage
- River



## Utilities

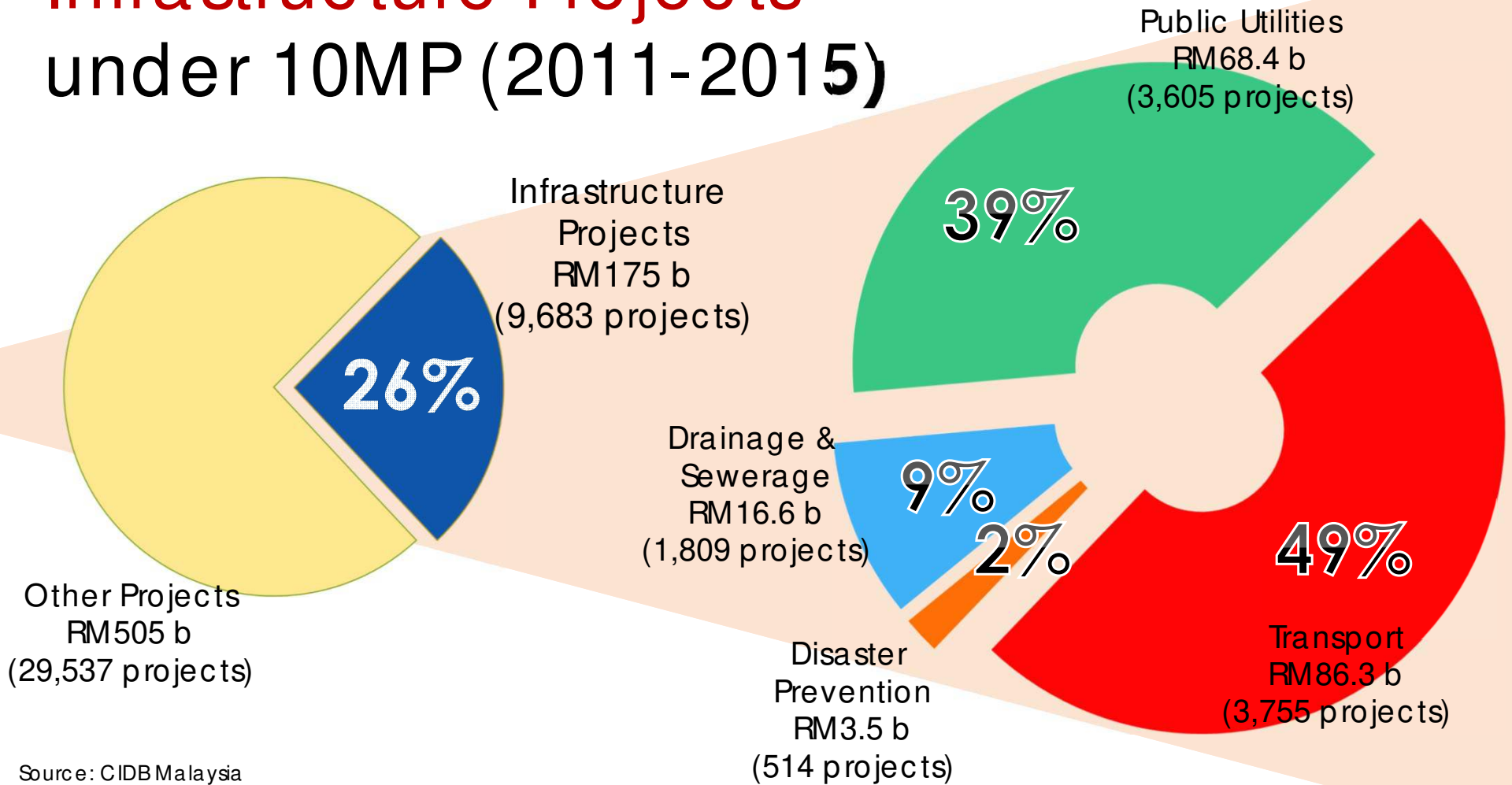
- Water filter & supply
- Piping
- Communication cables, exchanges & stations
- Dam
- Water & oil tank
- Electric plant & supply
- Meteorology station

## Disaster Prevention

- Flood barrier
- Slope protection
- Fire prevention
- Coastal erosion protection



# Infrastructure Projects under 10MP (2011-2015)

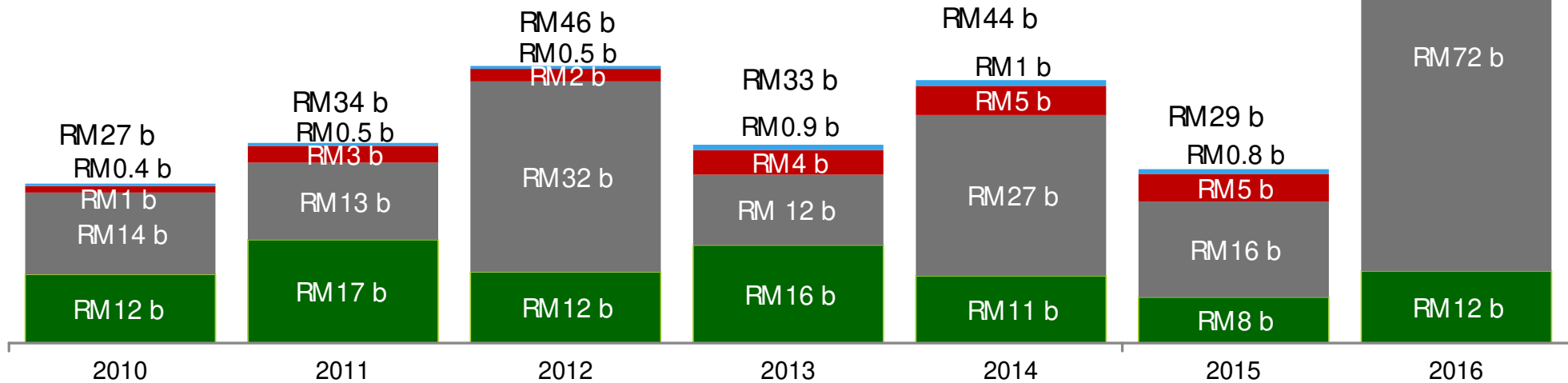


Source: CIDB Malaysia

# 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
<b>Total</b>	<b>1,751</b>	<b>1,991</b>	<b>1,889</b>	<b>2,028</b>	<b>2,034</b>	<b>2,020</b>	<b>1,784</b>

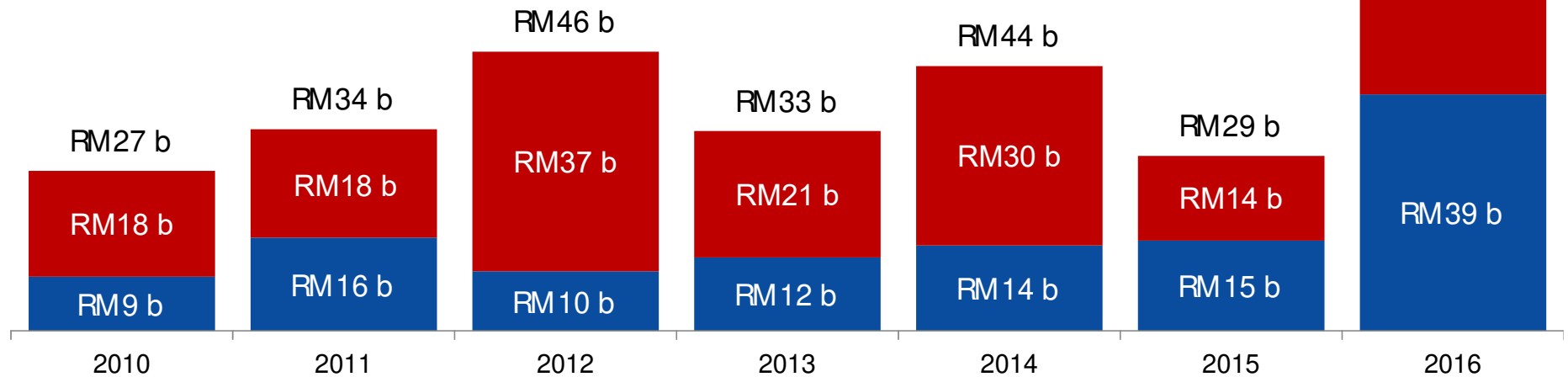


As of March 2017

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)

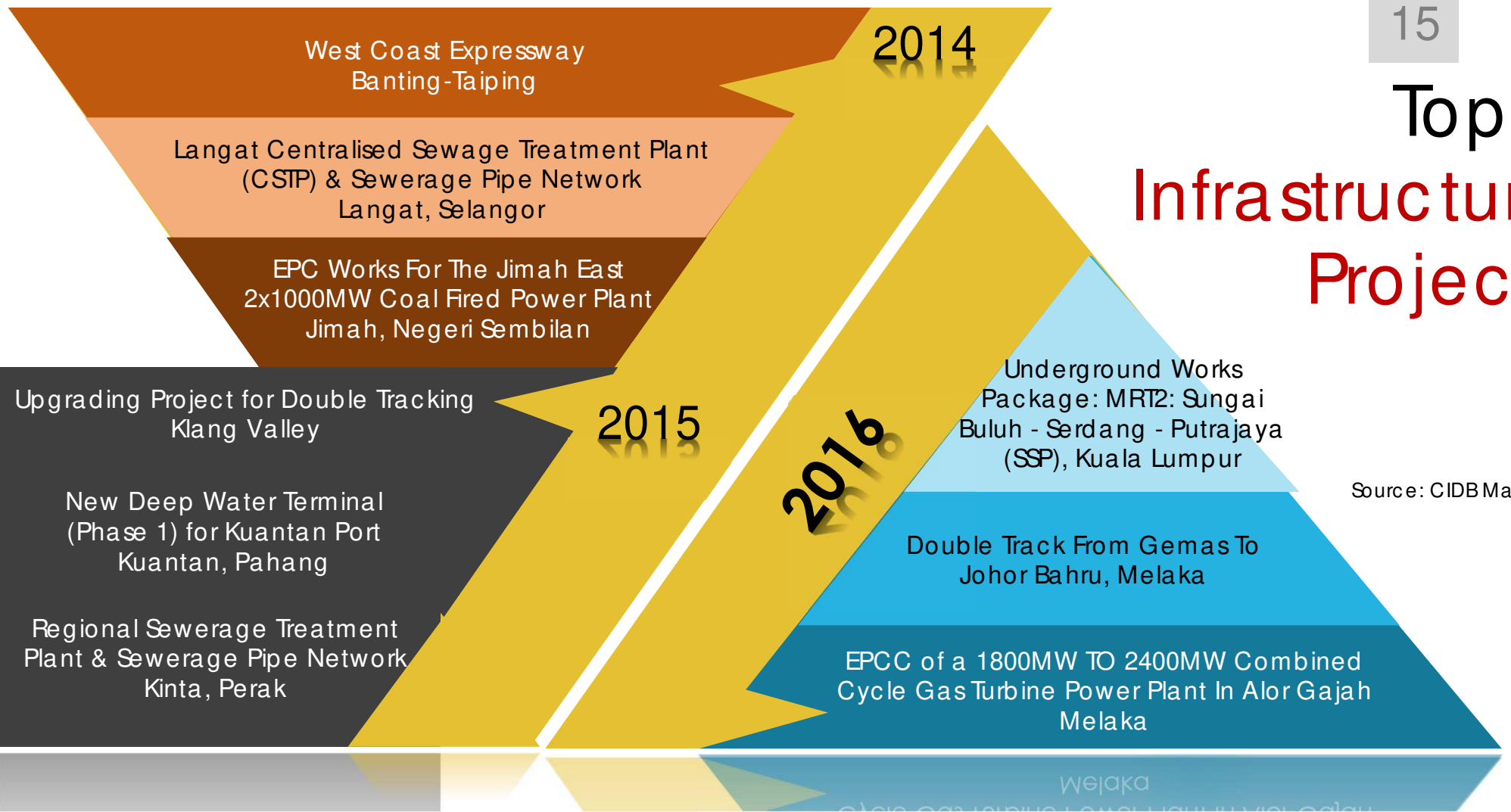


Note: Data indicates state with share value at 9% and above only

Source: CIDB Malaysia

# Top 3 Infrastructure Projects

Source: CIDB Malaysia





MINISTRY OF WORKS  
MALAYSIA

[www.citp.my](http://www.citp.my)

# 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



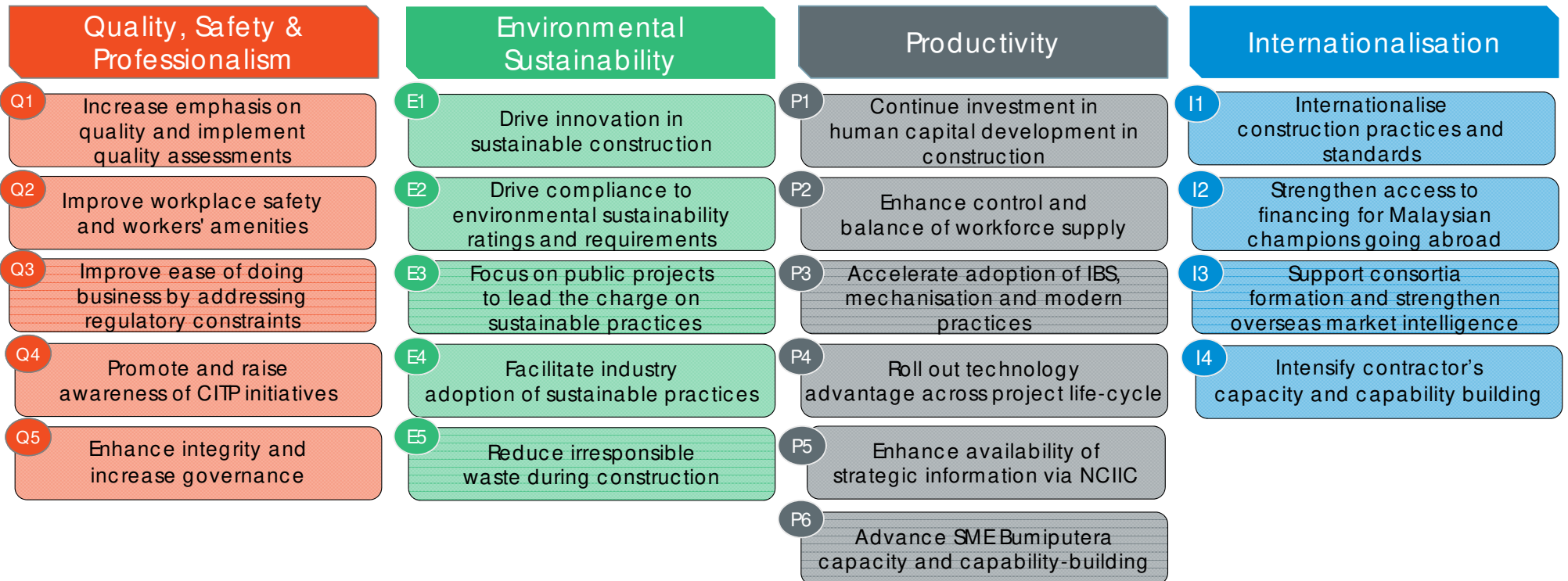
PRODUCTIVITY



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

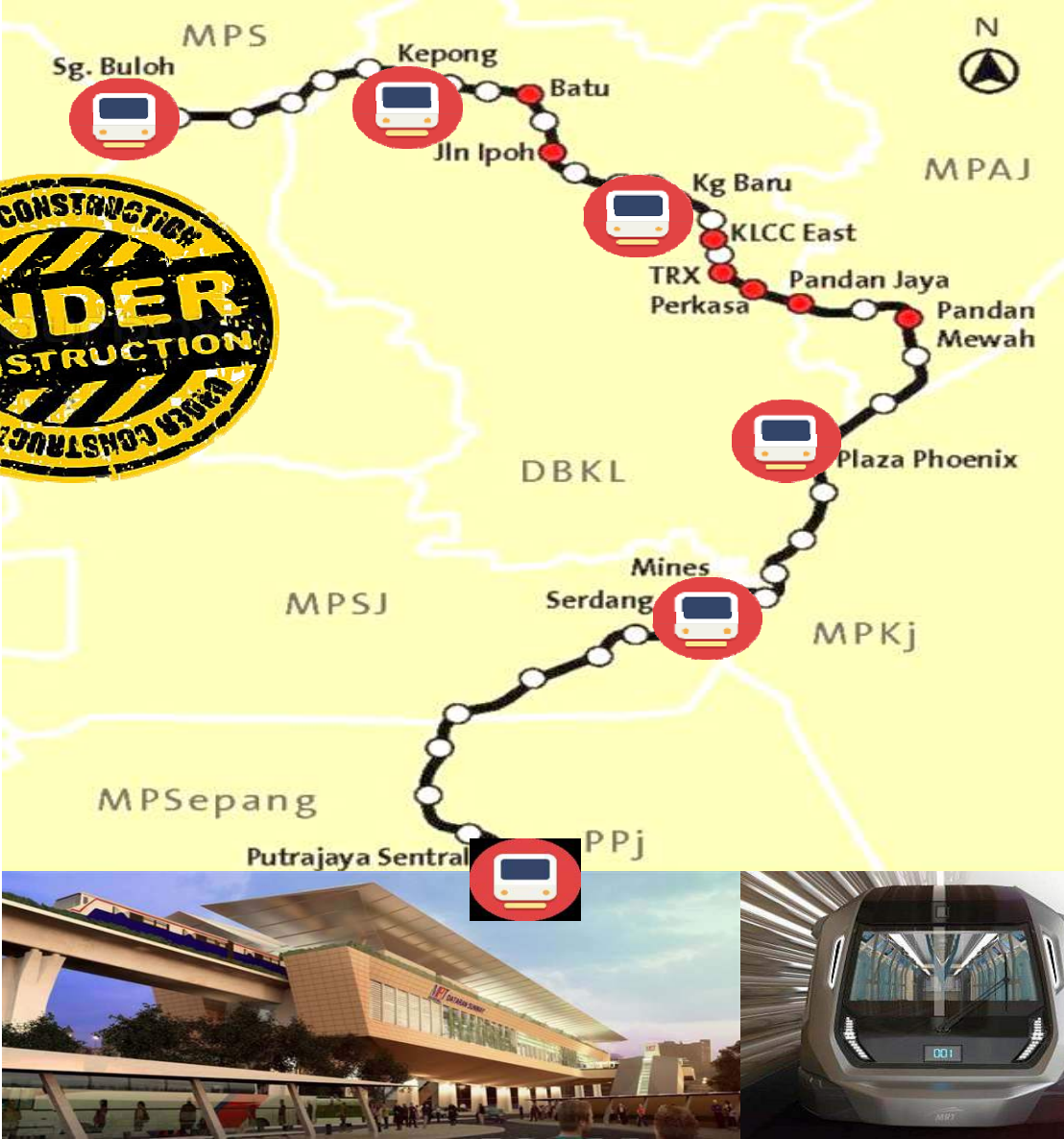
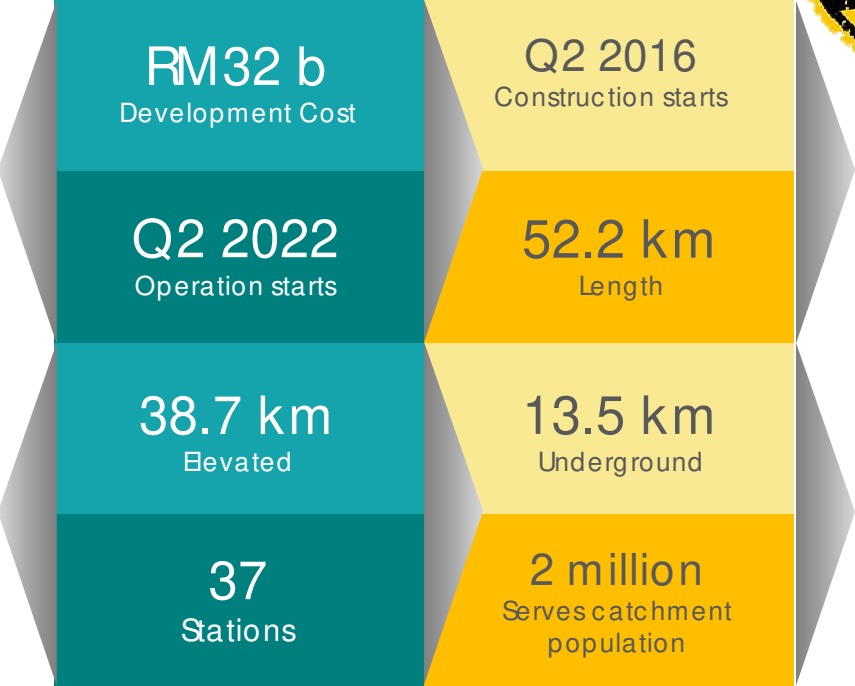
<b>RM55 b</b>	East Coast Rail Line (ECRL), Klang Valley – Tumpat (600km)
<b>RM2.1b</b>	Build infrastructure and socio-economic in 5 corridors
<b>RM4.6 b</b>	State road maintenance
<b>RM1.3 b</b>	Agricultural infrastructure
<b>RM1.2 b</b>	Build and upgrade 616 village roads and bridges
<b>RM1.0 b</b>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

## 11<sup>TH</sup> 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





RM9 b  
Development Cost

Q3 2020  
Completion

37 km  
Length

5  
Integrated stations

26  
Stations

## Light Rail Transit 3

Bandar Utama – Johanes Setia

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



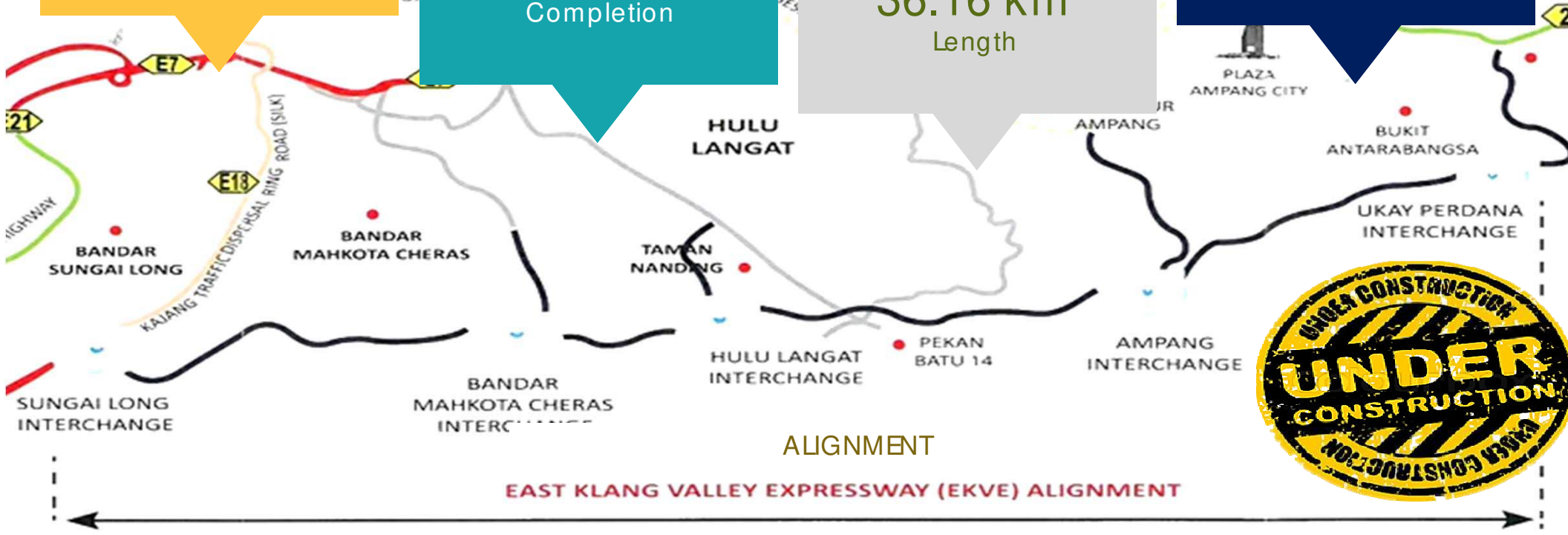


**RM 1.5b**  
Construction cost

**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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## 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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