

# Government of the Union of Myanmar



## Ministry of Construction

### Status of Road Transport and Transit Facilitations in Myanmar



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UNESCAP, Thailand

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- Asian Highways in Myanmar
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# Transport Sector

## Administrative Organizations in Transport and Logistics



Ministry of Transport and  
Communications

Ministry of Construction



Air Transport, Water Transport,  
Rail Transport, Land Transport

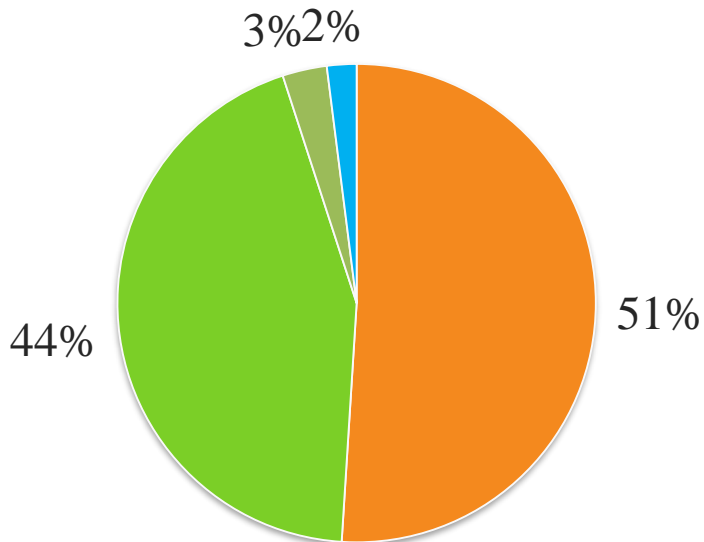
Roads/  
Bridges/Airfields



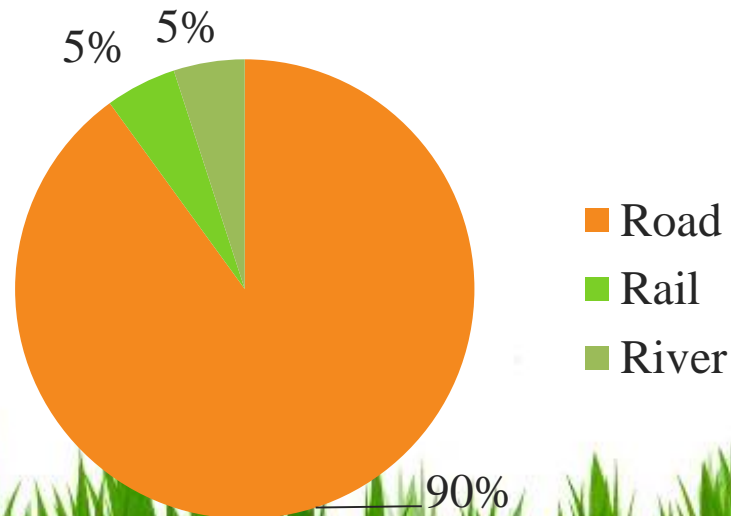
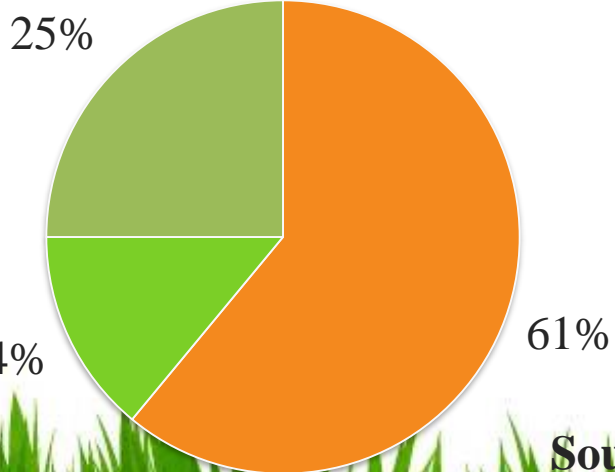
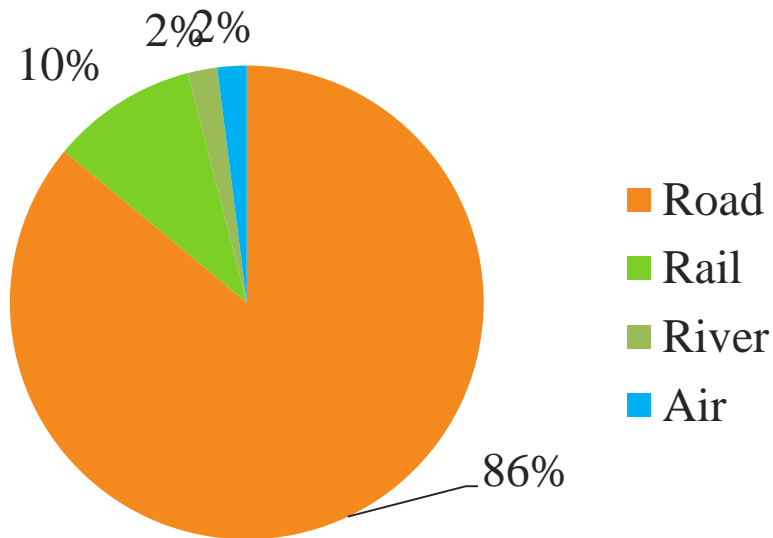


## Long Distance Transport Modal Share in Myanmar

2009



2013



Source: ADB



# Overview of Transport Infrastructure in Myanmar



Myanmar's transport system lags behind ASEAN

60% of highways and most rail lines in poor condition

20 million people without basic road access

\$45-60 billion investments needs (2016-2030)

Selected initiatives could, by 2030:

Reduce transport costs by 30%

Raise GDP by 13%

Provide basic road access to 10 million people

Save People's lives



## National Transport Master Plan

- ❖ The processes for the formulation of Master Plan started in December, 2012 and completed in 2014 by the assistance of JICA.
- ❖ MOTC serves as a focal point for coordination and cooperation with various Ministries in implementing the Master Plan.
- ❖ According to the Master Plan, priority projects will be implemented.





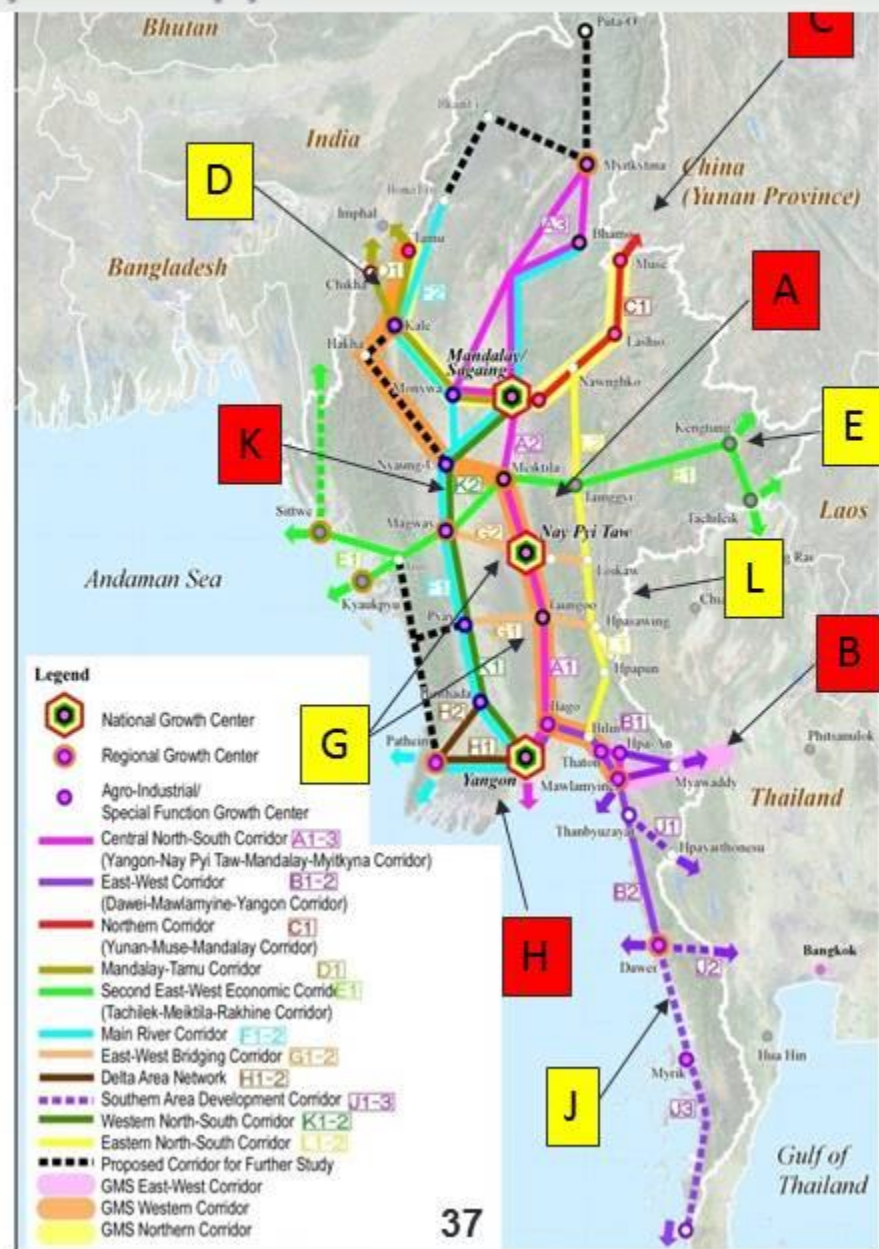


## Corridor based Development Approach

### 10 Major Corridors

- A** Central North-South Corridor
- B** East - West Corridor
- C** Northern Corridor
- D** Mandalay - Tamu Corridor
- E** Second East - West Corridor
- G** East - West Bridging Corridor
- H** Delta Area Network
- J** Southern Area Development Corridor
- K** Western North-South Corridor
- L** Eastern North - South Corridor

**Priority corridors for urgent investment**



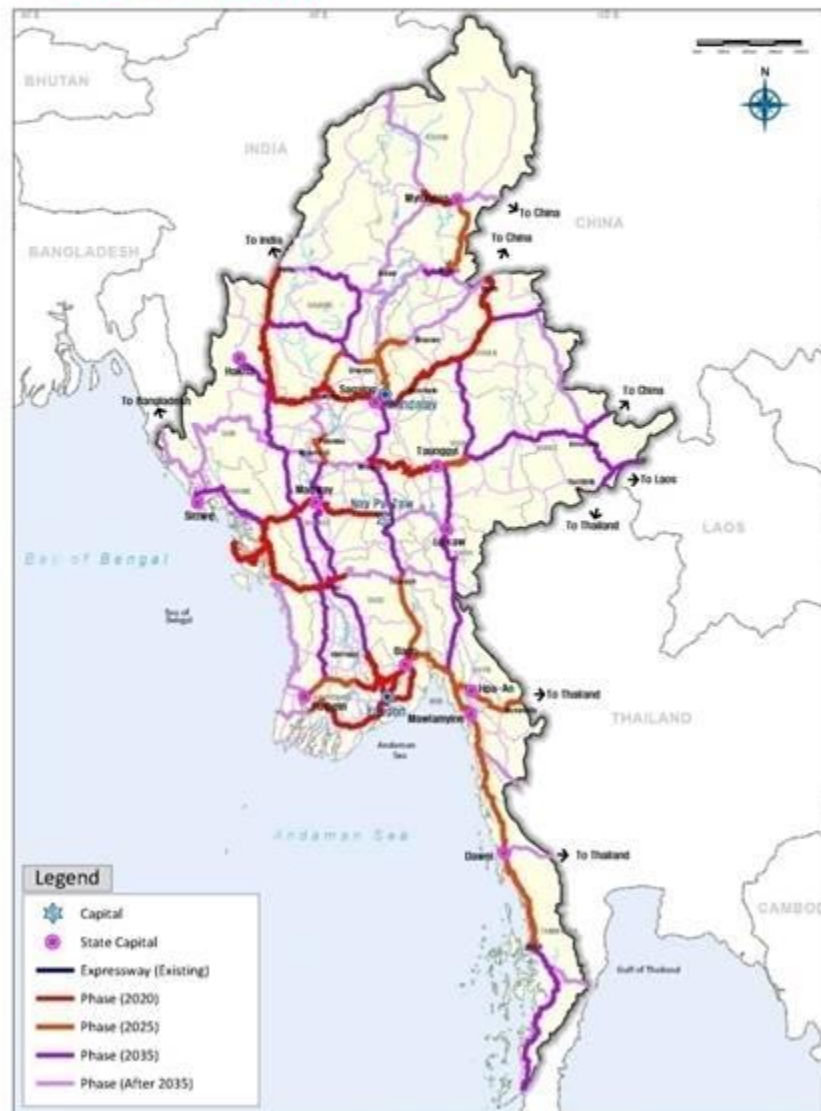


## Phased Development

### Expressway



### Arterial Road







# Asian Highways

## AH1

(Myawaddy – Yangon – Mandalay – Tamu)

## AH2

(w/o including overlapping distance with AH1)

(Tachileik – Meikhtila – Tamu)

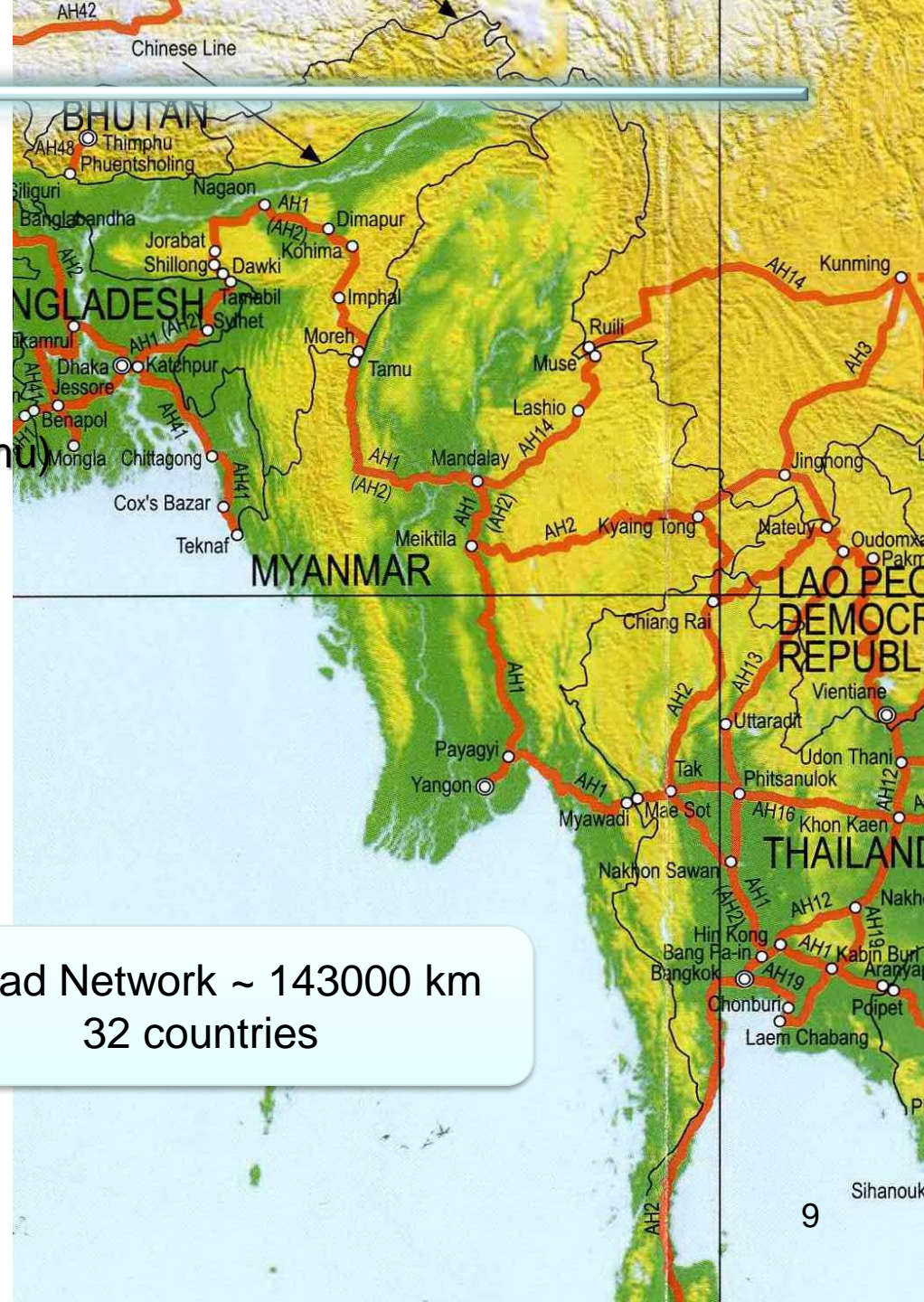
## AH3

(Mongla – KyaingTong)

## AH14

(Muse - Mandalay)

Road Network ~ 143000 km  
32 countries





## Newly Proposed Distances

(in km)

Asian Highway		Previous		As of March 2017
AH 1		1577.358		1652.612
(Tamu – Mandalay – Meikhtila – Yangon – Phayargyi – Thaton – Myawaddy)				
AH2		804.269		788.075
(Meikhtila – Loilem – Kyaington – Tachileik) (w/o including overlapping distance with AH1)				
AH3		90.123		87.510
(Mongla – KyaingTong)				
AH14		460.272		455.444
(Mandalay – Hispaw – Muse)				
Grand Total		2942.022		2983.641

Source: Department of Highways, 2017.



## Current Conditions of Asian Highways in Myanmar

(in km)

Asian Highway	Class I	Class II	Class III	Below Class III
AH 1	399.132	552.610	490.650	210.220
AH2	3.219	183.867	504.428	96.561
(w/o including overlapping distance with AH1)				
AH3			87.510	
AH14	44.357	6.840	404.247	
Grand Total	446.708	743.317	1486.835	306.781

Source: Department of Highways, March 2017.





## Asian Highway 1 ( Yangon - Bago Section )





## Asian Highway 1 ( Bago - Nyaunglaypin Section )





## Asian Highway 1 ( Yetarshay – Yamethin Section)







## Asian Highway 1 ( Payargyi - Thaton Section )





## Asian Highway 1, 2 (Sagaing – Monywa Section)





## International Major Highway Network in Myanmar

(in km)

Number of Highways	Class I	Class II	Class III	Below Class III	Total
Asian Highway Network (AH1, AH2, AH3, AH14)					
4	446.708	743.317	1486.835	306.561	2983.645
ASEAN Highway Network (AH1, AH2, AH3, AH14, AH111, AH112, AH123)					
7	446.708	985.725	2262.737	791.378	4487





## Projects on AH1

- ❖ The construction project of Myanmar-Thai Friendship Myawaddy Bridge -2 (21.4 km) is ongoing with the support of the Government of Thailand.
- ❖ The total project cost is the Grant Aid of 3900 million Baht of Thai Government which includes the cost of construction of approached roads and border control facilities(BCF)for Myanmar side (1000 million Baht).
- ❖ Now, the bridge construction is being completed and the amount of processed of the whole project is about (70%).
- ❖ The construction of border control facilities (BCF) will be started in April,2017 and the whole project will be finished in end of 2018.
- ❖ Myawaddy-Thingannyinaung-Kawkareik section has been implemented with the (1166) million Baht supported by Thai Government.



## Way Forward Projects on AH1

### *Asian Development Bank*

Eindu – Kawkareik Project (62.4 km)

Asphalt Concrete road width (10 m), is being constructed as ASEAN Highway Class(II).

### *Department of Highways of Thailand*

Eindu – Thaton Project (65 km)

Joint Committee from Thailand and Myanmar is negotiating to get detail measurements

## Ongoing Projects on AH1/AH2

### *Government of India*

Tamu – Kalay Road Section

Upgrading project of 69 bridges



# Highway Modernization Project (ADB)







## Private Sector Participation in Road

### Build – Operate – Transfer (BOT)

### Public – Private Partnership (PPP)

- ☐ Partnering Bodies
  - Ministry of Construction and Local Private Companies Established in- 1996
- ☐ First BOT Road
  - Mandalay-Lashio-Muse-Nankham Road (480.2 km)
- ☐ First Partnering Local Companies
  - (1) Diamond Palace Company (293.9 km)
  - (2) (Asia World) Oriental Highway Company (216.3 km)

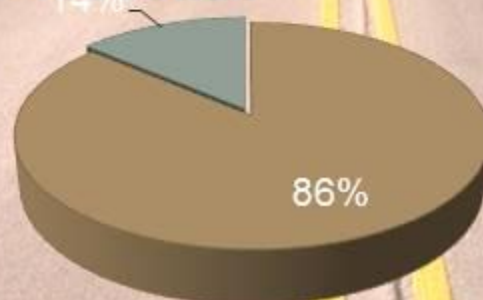
### Under BOT scheme (as of 29<sup>th</sup> September 2016)

Number of local companies – **26** companies

Number of roads – **64** roads

Total length of BOT roads – **3308 mile 3.5 furlongs ( 5324.41 km )**

MIC permit – **60** roads



■ Roads managed by MoC (exclude BOT)





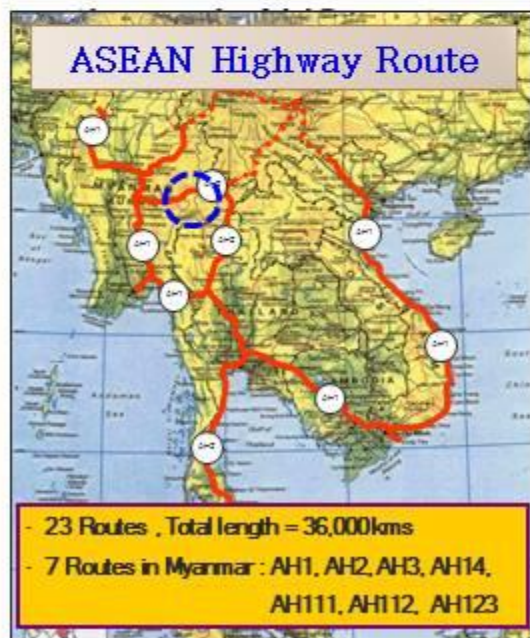
## Watalone Tunnel in Shan State (Bi – Directional Tunnel)

### Project Purpose

• A Feasibility study for tunnel construction of poor route road section located in mountains among comprehensive transportation environment Improvement plan which orders from Ministry of Construction(MOC).

### Background

- The external aim of Myanmar government is playing a central role in land logistics through connected to Southwest Asia and Southeast Asia.
- Improvement of Social, economical conditions for Hill tribes living in mountains and the areas that passes

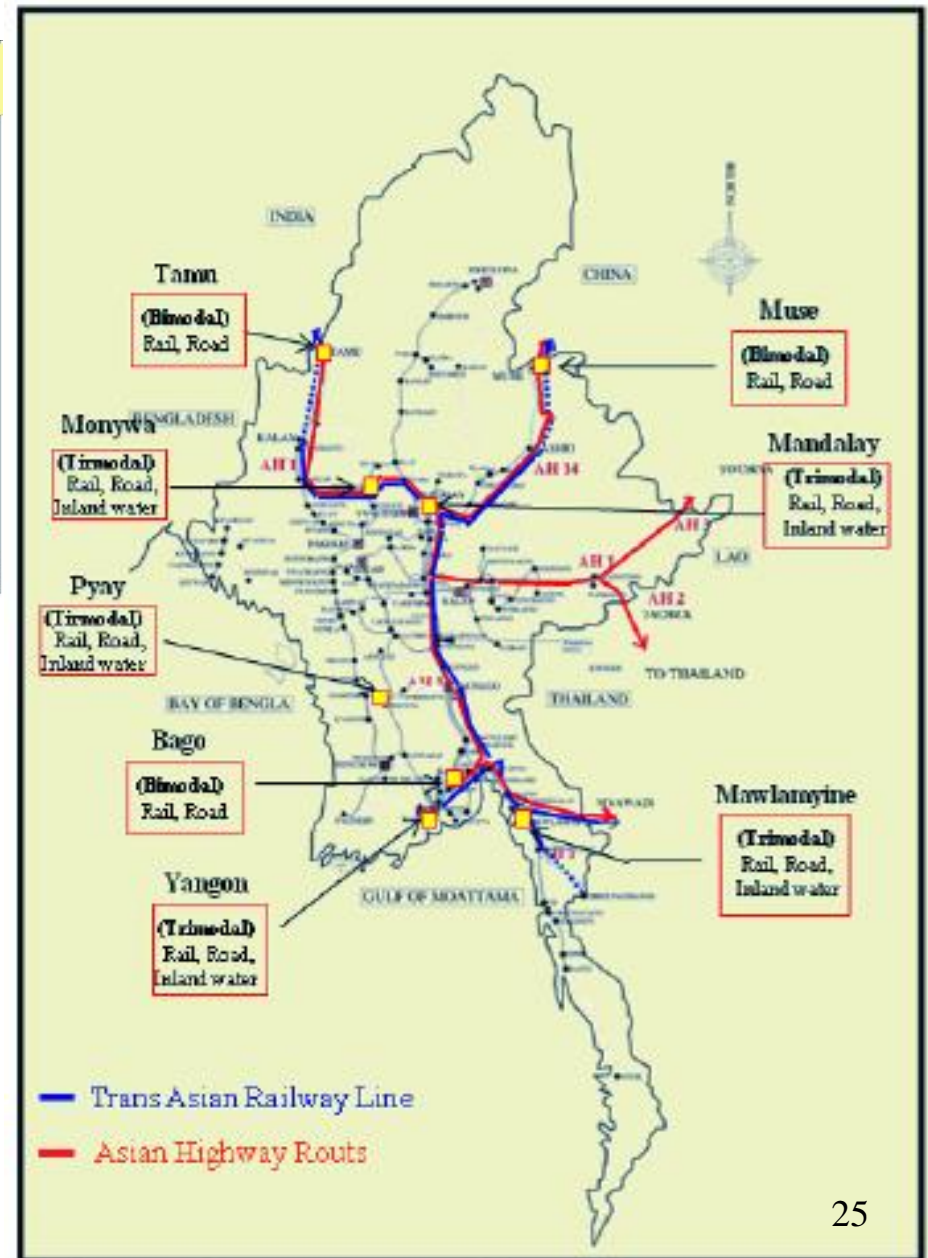




## Status of Dry ports



- TAR network and AH Network.
- Eight potential dry port places has been proposed to UNESCAP
- Myanmar signed on the Intergovernmental Agreement on Dry Ports” in Nov, 2013.
- 8 potential key site are Mandalay, Tamu, Muse, Pyay, Mawlamyine, Bago, Monywa, and Yangon.
- It will contribute not only for the Nation’s Transport Sector but also for the ASEAN, GMS, BIMSTEC regional rail transport sector







## Status of Dry ports Activities to Implementation for Two Dry ports

- **Location and Area** -
  - Ywarthargyi (Yangon) – 80 acre
  - Myitnge (Mandalay) -75.1 acres
- **Estimated Investment** - Total 80 million USD
- **Concession Period** - 50 years, Under PPP Scheme.
- **Tender Process** -
  - Invited EOI at August 2014,
  - Submitted Pre-Survey Reports and RFP at July 2015, and
  - Awarded the Two Developers for each at April, 2017
- **BOT Agreement Contract** – 3<sup>rd</sup> Apr,2017
- **Current Activities** – Under construction process (Duration – Within 2 Years after contract signing)





## Transport Agreements

- GMS Cross Border Transport Agreement
- ASEAN Framework Agreement on the Facilitation of Goods in Transit (AFAFGIT)
- ASEAN Framework Agreement on the Facilitation of Inter-State Transport (AFAFIST)
- ASEAN Framework Agreement on the Facilitation of Cross Border Transport of Passengers by Road Vehicles (ASEAN CBTP)



## Status of Facilitations

### Activities to Implementation

- Insurance of Vehicle
- Vehicle weight and Dimensions-
- Vehicle registration and inspections-
- Cross border Transport Agreement – GMS  
(initially with Thailand)





## Status of Facilitations

- Present status of use of new technologies such electronic seal, **RFID, cargo tracking system**, satellite positioning systems for transport facilitation;
- ❖ **For facilitate transportation of goods;** The use of Electronic Seals were tested on 31.3.2017 at 2 vehicles travelling from Thai- Myanmar Border through Myawaddy to Mawlamyaing, on 22.5.2017 at 40 vehicles travelling from Thai- Myanmar Border through Myawaddy to Thilawa Special Economic Zone respectively. Currently, the Electronic Seal are not being used within the Country.

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**Thank you for your kind attention**