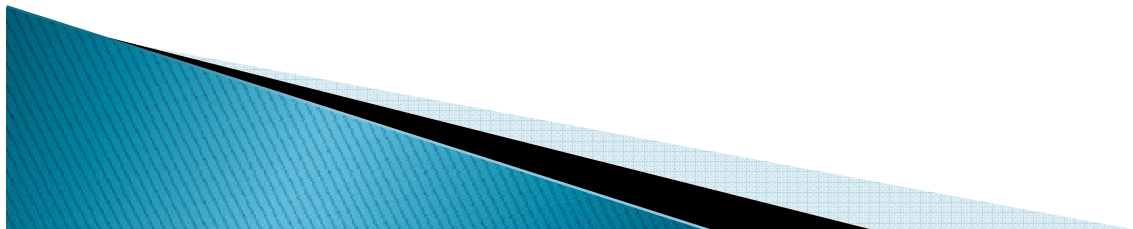


The 6th Regional
Environmentally Sustainable Transport Forum

Sustainable Mobility in Myanmar

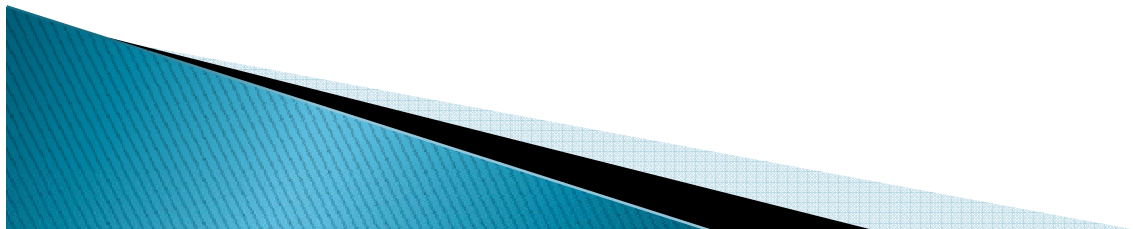
Presented by
Myanmar delegation

New Delhi, India
4-6 December 2011



Policy on EST in Myanmar

- ▶ **In order to be effective implementation on Environment policy, new environmental conservation law has been submitted through the Parliament.**
- ▶ **2nd Draft of National Implementation Plan on Environmental Improvement in the Transport Sector is being prepared.**



Development of Transport Systems in Myanmar

Rail Transportation



- ❖ In 2011, the total Rail Networks is (7102)km.
- ❖ Number of locomotives- 200 Nos. (Diesel)
- ❖ Number of Coaches - 2213 Nos.
- ❖ Freight Wagons - 4806 Nos.



Inland Water Transport

- ❖ 4 main arterial rivers
- ❖ 111 Jetty in 2011

Road Transportation

- ❖ In 2011, total length of expressways – 480.9 km (Yangon-Naypyitaw-Mandalay Section)



Domestic Air transport

- ❖ Three private airlines: Air Mandalay, Yangon Airways and Air Bagan.
- ❖ 35 Airports (Including 3 International Airports)

Traffic Management

Initiatives for the Traffic congestion and transportation challenges

❖ The traffic police-personnel are deployed at the major roads in down town areas

❖ Applying one-way system on some busy roads

❖ Restricting slow vehicles to run in the stipulated areas

❖ 3 ton above trucks are not allowed entering the down-town area

❖ On some main roads, vehicles are not allowed to stop and park at the daytime as well as at night;

❖ " The Outer right Lane " of the road is specified for buses

❖ Some area are specified as "no horn zone" in the target townships

❖ Collection of tax for parking

Allowing to stop at parking-space (or) areas

❖ Installation of CCTV and Camera

❖ Emission control for reducing pollution

Five (E) Traffic Controlling System

1. Education system

Road safety education talks with public through multimedia

Pham flag



Campaign

Slow drivers



Driving school



High school



2. Engineering system

Systematic planning and construction of roads.



Safe crossing

3. Enforcement

Combined team inspection



Recording



Patrol inspection



Alcohol check

4. Emergency Medical System



5. Emission control



Legal action for extreme emission cars

Cleaner Fuel Initiatives

❖ Encourage use of CNG for city transportation vehicles.

CNG Vehicles in Yangon City

Number of Vehicles running in Yangon Division in the year 2011

| Sr. No | Type of Vehicles | Type of Fuel | | | Total |
|--------|------------------|----------------|---------------|---------------|----------------|
| | | Gasoline | Diesel | CNG | |
| 1 | Cars+Taxis | 79,000 | 62,500 | - | 141,500 |
| 2 | Light Truck | 1,400 | 12,300 | - | 13,700 |
| 3 | Heavy Truck | 130 | 9,900 | - | 10,030 |
| 4 | Bus | 950 | 4,400 | - | 5,350 |
| 5 | Others | 260 | 10,425 | - | 10,685 |
| 6 | Two wheelers | 50,541 | - | - | 50,541 |
| 7 | Three Wheelers | 145 | - | - | 145 |
| 8 | NGV | - | - | 27,470 | 27,470 |
| | Total | 132,426 | 99,525 | 27,470 | 259,421 |

CNG Stations in Yangon



*** CNG vehicles account for 10.6% of total vehicles used in Yangon Division

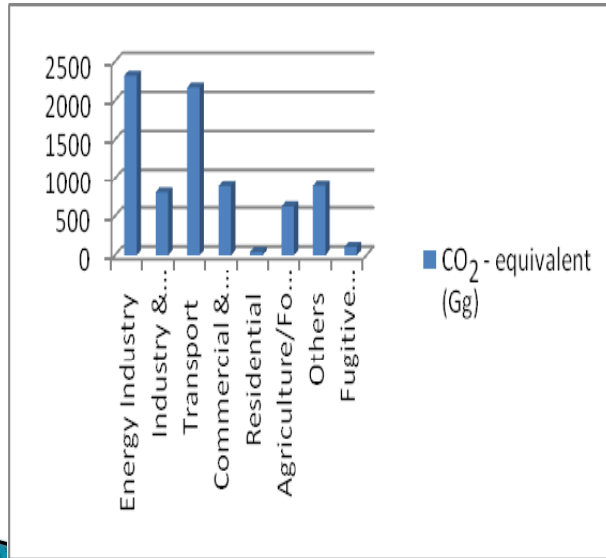


National Emission level (INC report, 2011)

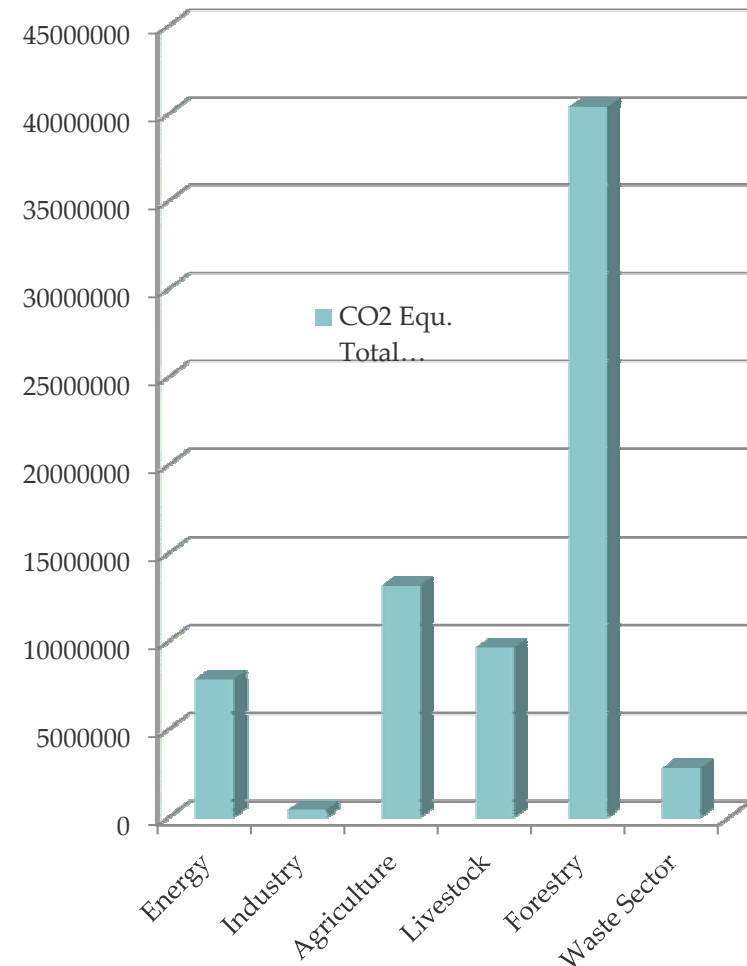
❖ Myanmar is not a net emitter country
(estimated on base year-2000)

- Carbon Emission ~ 70 million tons
- Carbon removal ~ 140 million tons

❖ Energy sector - 7.8 million tons
(including transport sector- 28%)

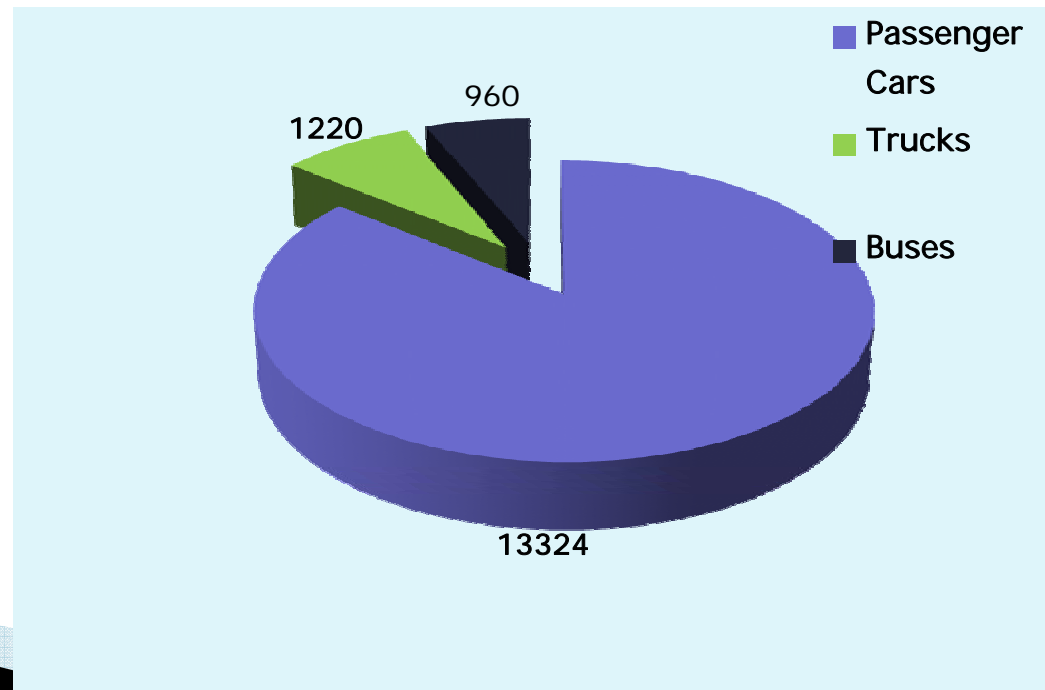


CO₂ Equ. Total Emission(ton)




Types of Removed and Crushed Motor Vehicles

- ❖ The Government of Myanmar has initiated to remove and crush of motor vehicles(from 20 years to 40 years old) and allowed the owners to import used cars within the lifespan of 10 years.
- ❖ 15,504 motor vehicles were removed and crushed between 19 September 2011 to 15 November 2011.



Future Plan for Sustainable Transport

- ❖ To formulate national green economy strategy including green transport.
 - ❖ The plan is to import 50000 motor vehicles within one year while being removal and crushing very old vehicles to reduce emission and to improve road safety,
 - ❖ As a solution to traffic due to high population in Yangon and Mandalay, Bus Rapid transit (BRT) System has been planned to introduce.
 - ❖ The government is emphasizing to improve public transport infrastructure such as quality of bus service, bus transport network , bus-related facilities, fare setting procedures and current circular railway system.
- 

Issues for EST to support the Green Economy Initiative

- ▶ Limited knowledge of research and resources to support investment in green economy
- ▶ Limited understanding on green strategy, practices and operations in development sectors
- ▶ Limited capacity and institutional structure
- ▶ Limited knowledge on environmental sound technology

The way forward for EST

- ▶ To formulate green economy strategy including EST through NIP.
- ▶ To strengthen institutional arrangement and capacity building.
- ▶ To raise people awareness and participation for environmental conservation in the area of green economy initiatives
- ▶ To encourage research for clean and low carbon technology for EST.
- ▶ To initiate and create opportunity for green business in transport sectors
- ▶ To enhance regional and international cooperation

Thank you for your kind attention

