



Government of Nepal  
Ministry of Physical Infrastructure and Transport  
**Department of Transport Management**

**10th Better Air Quality (BAQ) Conference**

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Session: Strategies to combat used vehicle import in vehicle importing countries of Asia

**Air quality and used vehicles:  
initiatives in Nepal**

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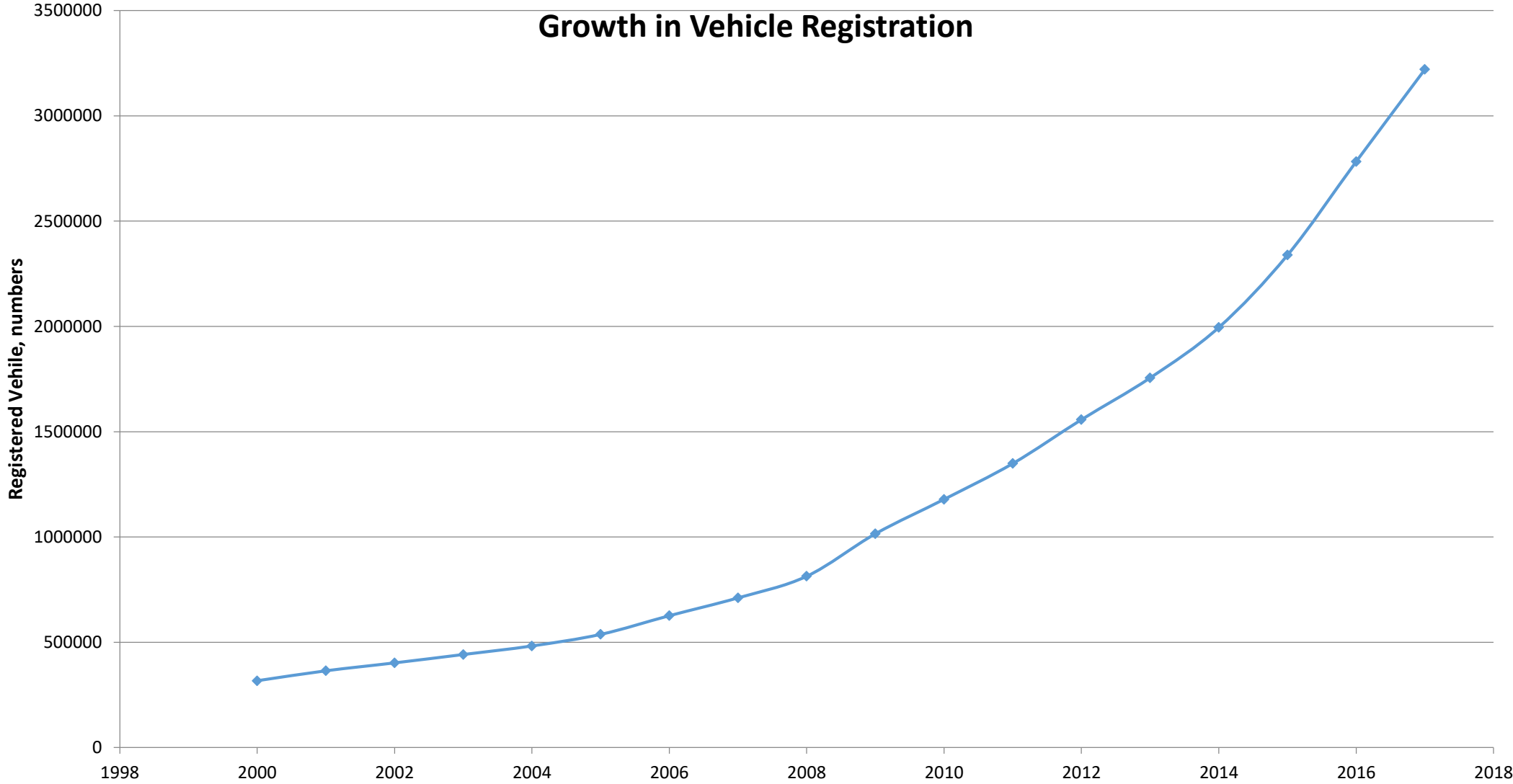
# Presentation Content

- Road Transport in Nepal
- Legal provisions for environment and Transport
- Vehicle Import and used vehicle restriction

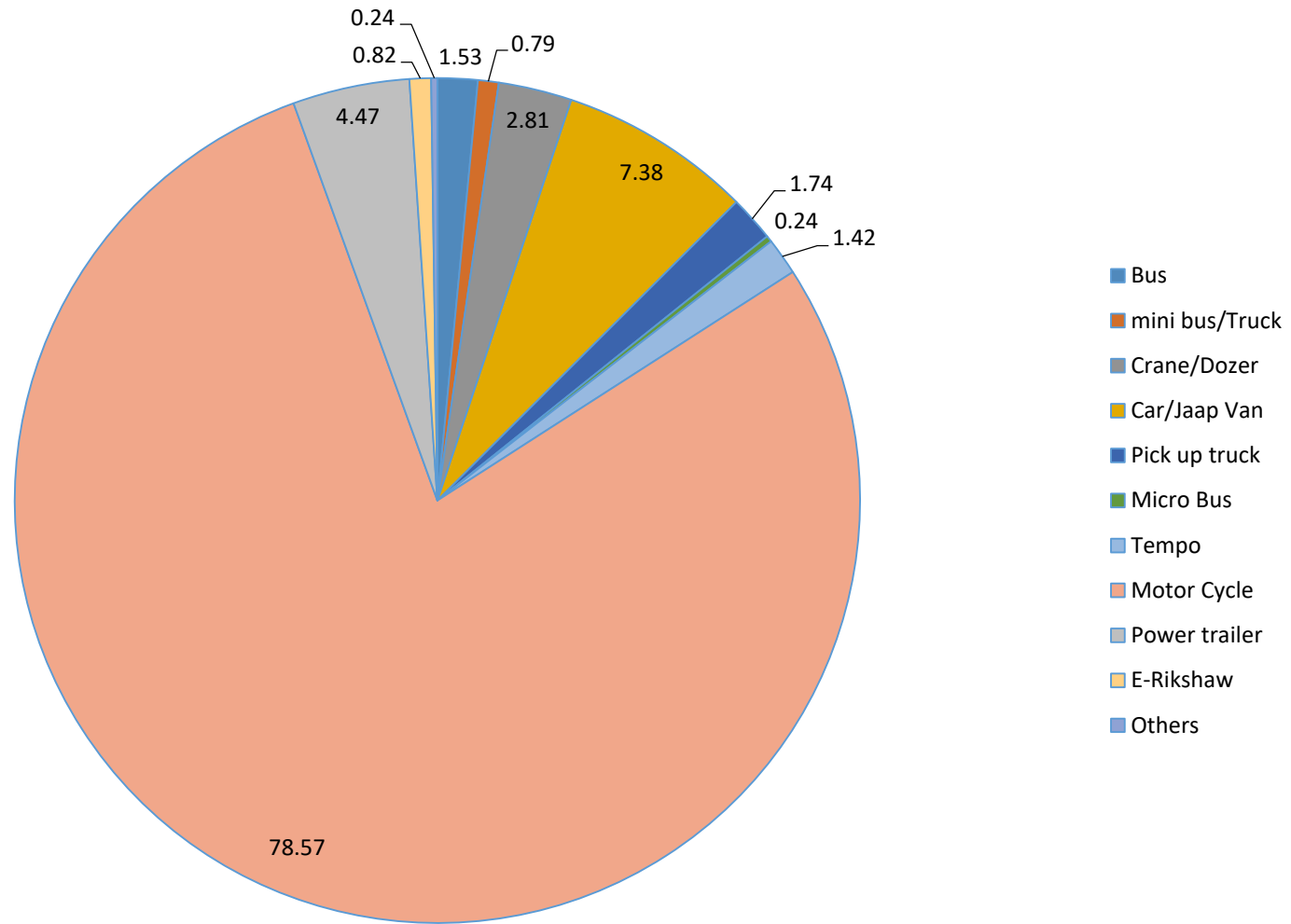
# Nepal:



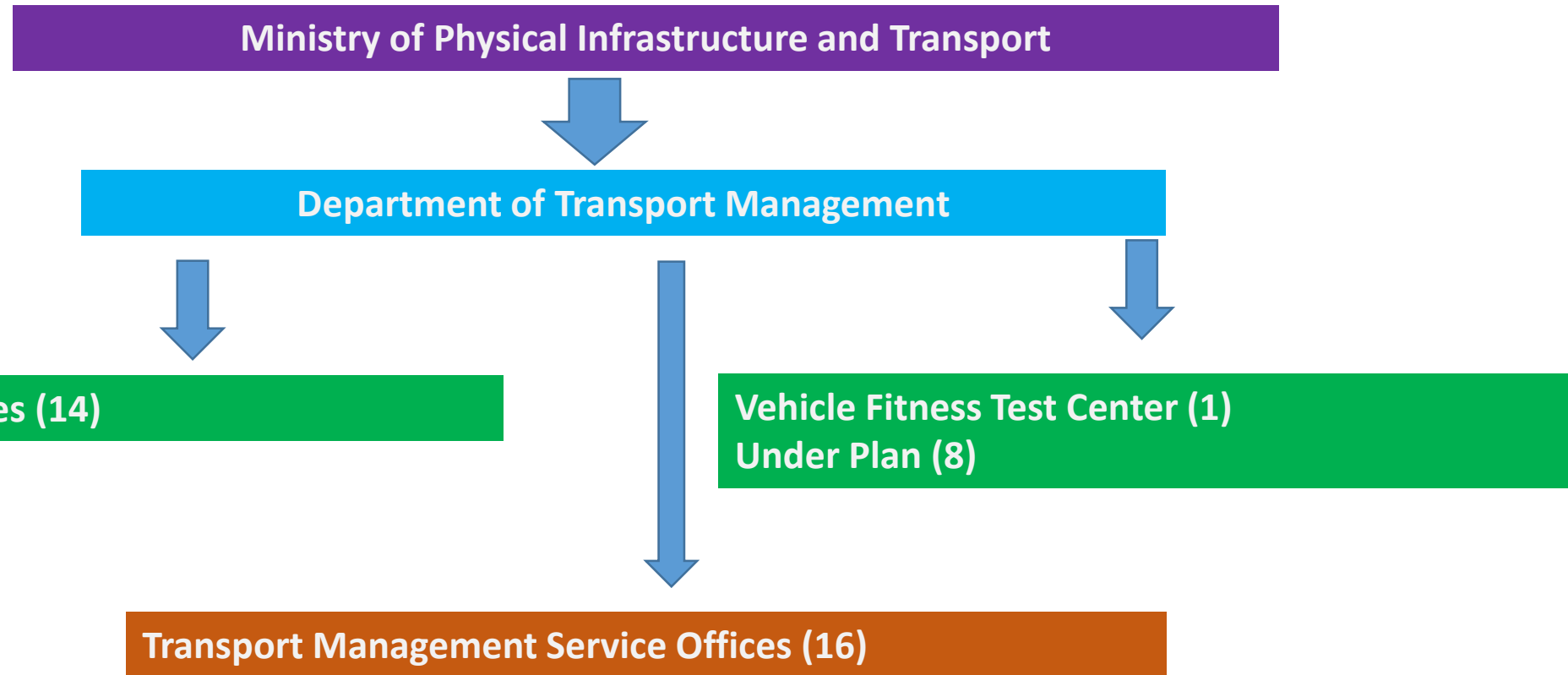
# Number of Motor Vehicles



# Vehicle category, percentage (%)



# Institutional Framework for Transport Regulation



# Some Facts about Nepal

- Population: 28 Million
- Registered vehicles: about 3 Million
- Percentage of Motorcycle: about 80%
- Total Road network: about 80,000 Km including local roads

**Nepal dependent on imported vehicles**

# **Vehicles: Nepal only importing country**

- Nepal is not manufacturing country,
- Majority of the vehicles are imported from India,
- Only new vehicle are imported in Nepal,
- Used vehicles are restricted for importing into Nepal,



## **Importing Vehicles shall comply with:**

- Conformity of Production (CoP) and Type approval is must submit to DoTM for each model of importing vehicle,
- Each vehicle imported should comply with the Euro III emission standard.
- Import of Electric vehicles are encouraged by the reduction in Customs Duty.

# Legal framework for vehicle emission

- National Transport Policy, 2002
- Environmental Protection Act, 1997 and Environmental Protection Rules, 1997
  - Nepal Vehicle Mass Emission Standard, 2012
  - National Ambient Air Quality Standard, 2012
- Environment Friendly Vehicle and Transport Policy, 2014

# Legal provisions: related to the Environment and Transport.

- National Transport Policy:
  - Sustainable Transport for overall national development
  - Expansion of solar and electric power for transport,

# Nepal Vehicle Mass Emission Standard, 2012

- This standards are subjected to all vehicles imported to Nepal,
  - Type approval,
  - Conformity of production (CoP)
- These standards are set for various categories of vehicles and fuels,
- Standards are set for exhaust emissions  
Limit values for a light vehicle as: (Euro III)

## National Ambient Air Quality Standard, 2012:

- Air Quality: concentration per  $\text{m}^3$  of:
  - Total Suspended Particles (TSP)
  - $\text{PM}_{10}$ ,  $\text{PM}_{2.5}$
  - Carbon Mono-oxide, Sulfer Dioxide, lead benzene, Ozone

## Environment Friendly Vehicle and Transport Policy, 2014:

- Promotion of electric vehicles including renewable and alternate energy powered transport system
- Target: 20 % electric vehicle by 2020,
- Policy for conversion of fossil fuel operated vehicle into electric vehicles,
- Organizational setup for Monitoring the implementation of this policy

# Vehicle and Transport Management Act, 1993

- Provision of Type approval (TA) and Conformity of Production (CoP) before importing any vehicles to the country vehicle,
- All vehicles should comply with Euro III emission standard
- Road worthiness test for new assembled vehicles in Nepal
- Import of used vehicles is banned by the Parliamentary budget session (by Financial ordinance) at the start of each Fiscal Year.

## Used Vehicles: issues for Nepal

- Nepal is not vehicle manufacturing country,
- Vehicle import is easy-way for Nepal
- High duty on vehicle Import: it is one of the major source of national revenue



# Used Vehicles issues for Nepal .....

- Nepal spends significant amount of foreign currency (national reserve) for:
  - Import of vehicle,
  - spare parts, and
  - fuel
- Higher trade deficiency

# Import of used vehicle: issues

- Restriction of import of used vehicles by the parliamentary budget ordinance each year,
  - Difficult to maintain emission standard as well as technically fit vehicles

# Vehicle operation age within the country

- Old vehicles more than 20 years are banned from the operation for public transport: It may result in
  - Safer public transport
  - Less transport operation cost
  - Less emission and higher air quality

## Next steps planned

- Complete restriction on import of used vehicles,
- Move forward for Electric vehicles,
- Scraping of 20 years old vehicles,
- Adoption of Euro IV standard,
- Establishment of modern Vehicle Fitness Testing Centers



Thank you