

Roles of Department of Transport Management to Control Vehicular Emissions in Nepal



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Introduction

- Department of Transport Management (DOTM) is responsible for overall management of mainly road transportation of Nepal.
- The functions comprise of registration, renewal and title transfer of vehicles, collections of vehicle tax, issuance of driving license, giving of route permit, regulating pollution standards of vehicles, testing the fitness of vehicles, monitoring and regulating the provisions of laws regarding transport management etc.

Roles of DOTM to Control Vehicular Emissions

- Minimizing or controlling the pollutions produced by the vehicles is one of the main objectives of DOTM.
- Main issues regarding emissions are:
 - ❖ Carbon Monoxide
 - ❖ Hydro Carbon
 - ❖ Nitrogen dioxide

Pollution According to Vehicle and Transport Management Act, 1993 (2049 BS)

Definition:

Pollution means the noise and smoke pollution produced by the vehicle.

Setting Standards According to The Act

Clause 23 (C)

Government of Nepal may set the standards regarding the pollution produced by the vehicle.

Initiatives Taken by DOTM For Vehicular Pollution Control

- The first parameters were set regarding Diesel Smoke (by volume), Carbon Monoxide and Hydrocarbon in 1998 (2055 BS).
- Concept of Green sticker and Red sticker was started in 1998 (2055 BS). Only those vehicles getting Green sticker were allowed to enter restricted zones like Singh Durbar etc.
- 2 stroke vehicle, 3 Wheeler Diesel Vehicle and 20 years old Public vehicle started to be phased out from Kathmandu Valley since 2000 (2057 BS) realizing that they are the most air polluting vehicles.

Initiatives Taken by DOTM

- Prohibition in Registration and Title Transfer of Auctioned vehicle in Kathmandu Valley was started in 1999 (2056 BS).
- Provision of heavy tax relaxation for importing Electric Vehicles in Nepal.
- In 1999 (2056 BS), Nepal Vehicle Mass Emission Standard was enforced by Govt. of Nepal.

Main objectives of NVMES, 1999 (2056 BS)

- Standards of pollution of existing vehicle were fixed.
- New vehicle not meeting NVMES-2056 is rejected to register through out the country.
- Documents in relation to vehicle emission standards (i.e. COP & TA) were fixed.
- NVMES-2056 is clarified as similar to Euro-1 standard.
- Traffic Police and Transport Management Office started testing the vehicle with smoke meter and gas analyzer.

Future Plan

- Government is planning to upgrade Nepal Vehicular Mass Emission Standard similar to Euro-3.
- Vehicles test through ultra-modern equipments from Vehicle Fitness Test Centre (VFTC).
- Formulating new National Transportation (Vehicle) Policy which will encourage to import and manufacture environment friendly and low pollutant vehicles in Nepal.



Thank You