

GOVERNMENT OF INDIA  
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

**LOK SABHA**  
**UN-STARRED QUESTION NO. 736**  
TO BE ANSWERED ON 05.02.2021

**Pollution from Diesel Vehicles**

736. SHRI ASHOK MAHADEORAO NETE:

Will the Minister of ENVIRONMENT, FOREST AND CLIMATE CHANGE be pleased to state:

- (a) whether any study has been conducted to ascertain that diesel vehicles are causing more pollution in comparison with petrol and CNG vehicles; and
- (b) if so, the details thereof?

**ANSWER**

**MINISTER OF STATE IN THE MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE**  
**(SHRI BABUL SUPRIYO)**

(a) & (b) Prototype emission is measured as per specified standards at the time of type approval of vehicle carried by Ministry of Road Transport and Highways. A comparison of 4-Wheeler Bharat Stage-VI (BS-VI) emission norms for diesel and petrol vehicles indicate the following:

- (i) A reduction of 50% in CO emission for 4-Wheeler diesel vehicles in comparison to 4-Wheeler petrol vehicles.
- (ii) 33.3% higher oxides of Nitrogen (NOx) emission for 4-Wheeler diesel vehicles in comparison to 4-Wheeler petrol vehicles.
- (iii) Mass emission for Particulate Matter (PM) are same for both 4-Wheeler BS-VI diesel and petrol vehicle.

Also, CNG vehicles is estimated to reduce CO in the order of 86%, NOx in the order of 58% and PM in the order of 97% in comparison to emission from diesel vehicles.

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