

**GOVERNMENT OF INDIA
MINISTRY OF ROAD TRANSPORT AND HIGHWAYS**

**LOK SABHA
UNSTARRED QUESTION NO. 3695
ANSWERED ON 23RD MARCH, 2023**

PHASING OUT OF VEHICLES AS PER BS-VI EMISSION NORMS

**3695. DR. T. SUMATHY (a) THAMIZHACHI THANGAPANDIAN:
SHRIMATI SUNITA DUGGAL:**

Will the Minister of ROAD TRANSPORT AND HIGHWAYS

सड़क परिवहन और राजमार्ग मंत्री

be pleased to state:

- (a) whether the Government has issued any SOP/directive for private bus operators and cab aggregators to phase out vehicles in their fleet as per existing BS-VI emission norms and if so, the details thereof;**
- (b) whether the Government has data on reduced level of air pollution because of the implementation of BS-VI emission norms across the country and if so, the details thereof;**
- (c) the observational data collected on the reduced levels of Sulphur Oxides (SO_x), Nitrogen Oxides (NO_x) and Particulate Matter (PM) during the Financial Year (FY) 2022-23 *vis-a-vis* FY 2019-20;**
- (d) whether the Government maintains any record of the number of automobiles manufactured in the country complying with the BS-VI emission norms during 2022-2023 out of the total annual manufacturing capacity; and**
- (e) if so, the details thereof, particularly for two and three-wheelers?**

ANSWER

THE MINISTER OF ROAD TRANSPORT AND HIGHWAYS

(SHRI NITIN JAIRAM GADKARI)

- (a) No such directives have been given to private bus and cab operators to phase out vehicles in their fleet as per existing BS-6 emission norms.**
- (b) and (c) The BS-VI compliant fuel has many environmental benefits, compared to BS-IV fuel, which are described below:-**

(1) The content of sulphur in BS-IV fuel is 50ppm, however in BS-VI fuel it is 10ppm, which is 1/5th of the BS-IV limit.

(2) During testing of BS VI compliant vehicles:-

(i) NOx emissions is reduced by 68% in diesel cars and by 25% in petrol cars;

(ii) Particulate emission matter is reduced by 41.2% in 3-wheeler diesel engine;

(iii) Reduction in particulate matter from BS IV to BS VI is as high as 82% in the case of 4-wheelers;

(iv) Reduction in particulate matter is 66.7% in heavy duty vehicle.

(d) and (e) As per the information available in the VAHAN-4 centralized database of RC (registration Certificate), the records of the number of automobiles registered in the country, complying with the BS-6 standards out of the total vehicle registered in FY 2022–2023 and the details for two and three-wheelers for FY 2022-23 are as under:-

Total number of vehicle registered in FY 2022-2023	Total number of vehicle registered as BS 6 in FY 2022-2023	Total Two wheeler registered in FY 2022-2023	Two wheeler registered as BS 6 in FY 2022-2023	Total Three wheeler registered in FY 2022-2023	Three wheeler registered as BS 6 in FY 2022-2023
2,10,76,240	1,86,17,298	1,52,26,526	1,41,60,843	7,07,027	3,26,393
