

GOVERNMENT OF INDIA
MINISTRY OF ROAD TRANSPORT AND HIGHWAYS
RAJYA SABHA
UNSTARRED QUESTION NO-2475
ANSWERED ON- 22/03/2023

BS-6 NORMS IN AUTOMOBILES SECTOR IN THE COUNTRY

2475. DR. AMAR PATNAIK:
SHRI MOHAMMED NADIMUL HAQUE:

Will the Minister of ROAD TRANSPORT AND HIGHWAYS be pleased to state:

- (a) whether Government maintains records of the number of automobiles manufactured in the country, complying with the BS-6 standards in FY 2022–2023;
- (b) if so, details for two and three-wheelers for FY 2022-23;
- (c) details of directives for private bus and cab operators to phase out vehicles in their fleet as per existing BS-6 emission norms;
- (d) whether Government has any evidence suggesting that air pollution has reduced after implementation of BS-6 norms across the country; and
- (e) if so, the observational data collected on the reduced levels of SO_x, NO_x, and PM in the FY 2022-23 in comparison to the FY 2019-20?

ANSWER

THE MINISTER OF ROAD TRANSPORT AND HIGHWAYS

(SHRI NITIN JAIRAM GADKARI)

(a) and (b) 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 in FY 2022–2023 and the details for two and three-wheelers for FY 2022-23 are as under:-

Total number of vehicle registered as BS 6 in FY 2022-2023	Two wheeler registered as BS 6 in FY 2022-2023	Three wheeler registered as BS 6 in FY 2022-2023
1,86,17,298	1,41,60,843	3,26,393

(c) 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.

(d) and (e) The BS-VI compliant fuel has many environmental benefits, compared to BS-IV fuel, which are described below:

- (i) 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.
- (ii) During testing of BS VI compliant vehicles-
 - (a) NO_x emissions is reduced by 68% in diesel cars and by 25% in petrol cars;
 - (b) Particulate emission matter is reduced by 41.2% in 3-wheeler diesel engine;
 - (c) Reduction in particulate matter from BS IV to BS VI is as high as 82% in the case of 4-wheelers;
 - (d) Reduction in particulate matter is 66.7% in heavy duty vehicle.
