



ED/ CHT/ 06/2895

03rd August, 2021

Sub: Rajya Sabha Starred/Unstarred Diary No. S3613 for the answer on 11.08.2021 on 'Sulphur-free gasoline production unit'

Q(a): Whether it is a fact that approximately ? 500 crores have been spent on the construction of Sulphur-free gasoline production units in the country;

Reply(a): Sulphur content in Gasoline has been reduced from 50 ppm to 10 ppm across country w.e.f. 1st April, 2020. The refineries in India have been reconfigured with incorporation of upgradation projects to produce 10 ppm sulphur compliant Gasoline. Each refinery after exhaustive study identified technological interventions in terms of setting up of new units viz., desulphurization units, Isomerization, Reformers as well as revamp of existing units. These projects were implemented with tight schedule with an investment of about Rs 12,785 crore.

Q(b): The steps being taken by Government to make 8 ppm unit an environment friendly one; and

Reply(b): Government has been continuously tightening the vehicular emission norms and improving fuel quality. BS-IV (Euro-IV equivalent) emission norms have been implemented throughout the country from 1.4.2017. Govt. further decided to leapfrog directly from BS-IV to BS-VI by skipping BS-V emission norms from 1.4.2020, to reduce vehicular emission. The emission norms for BS-VI vehicles were notified by MoRTH vide Gazette Notification dated 16th Sept., 2016. w.e.f 1.4.20 across the country. The current specification for sulphur content is 10 ppm max, which is aligned to global standards.

Q(c): The extent to which it would contribute to reduce emission and creating clean environment?

Reply(c): The benefit in vehicular emission norms from passenger cars is given below
(Source: MoRTH Gazette Notification dated 16th Sept., 2016);

PETROL: EMISSION NORMS for PASSENGER CARS (All Figures in g/km)					
Norm	CO	THC	NOx	PM	No. of Particles (PN)
BS-III	2.30	0.20	0.15	--	
BS-IV	1.00	0.10	0.08	--	
BS-VI*	1.00	0.10	0.06	0.0045	6.0 X 10 ¹¹

* The Particulate standards apply to vehicles with DI engines.

As may be observed, there was reduction of 25% in NOx emission from BS-IV to BS-VI. Further, particulate measurement was introduced for gasoline engine employing Direct Injection technology in BS-VI norms.

Prepared by		Approved by	
Designation	Addl. Director-CHT	Designation	Director-CHT
Mobile No.	9892067088	Mobile No.	9810186963