

Centre for High Technology

(Ministry of Petroleum & Natural Gas)

NOIDA

July 13, 2018

Ref: MoP&NG e-mail dated 12.07.2018 – Lok Sabha Starred Q Dy. No. 983 on National Clean Air Programme to be answered on 20.07.2018

Q (a) Whether the Expenditure Finance Plan for the National Clean Air Programme has received approval from the Ministry of Finance;

Q (b) If so, the details thereof and if not, the proposed timeline for approval and finalization of the same;

Ans.(a) & (b) : MoEF&CC may reply.

Q (c) Whether any measures have been taken in the interim for the prevention and control of air pollution in various cities of the country and if so the details thereof;

Ans.(c) MoEFCC may reply.

Q (d) Whether Govt. has developed any action plan for the reduction of emissions from transport fuels and if so the details thereof; and

Ans.(d) Yes.

Country-wide supply of BS-IV grade Auto Fuels (Petrol and Diesel having 50 ppm Sulphur) was completed in phases on 1st April, 2017. Further, supply of BS-VI grade Auto Fuel (Petrol and Diesel having 10 ppm Sulphur) started in NCT of Delhi from 1st April, 2018.

Supply of BS-VI grade Auto Fuels across the country has been planned from 1st April, 2020.

Q (e) Whether the Government has studied the potential substitution of harmful aromatics in transport fuels and if so, the details thereof.

Ans.(e) India has followed regulatory pathway for fuel quality and vehicle emission standards termed as Bharat Stage (BS) in line with European Union (EU).

The limit on Benzene Content in Petrol has progressively been brought down from 5% to 1% in BS-III onwards.

The limit on Aromatics Content in Petrol was first introduced at 42% in BS-III and has been further brought down to 35% in BS-IV.

Aromatics content & Benzene Content in Petrol has been progressively reduced as under:

Year	Supply of Auto Fuel Grade	Aromatics Content	Benzene Content
2000	BS-2000 Nation-wide	No limit	5%
2005	BS-II Nation-wide	No limit	3%
2010	BS-III Nation-wide	42%	1%
2017	BS-IV Nation-wide	35%	1%

The limit on Poly Aromatic Hydrocarbons (PAH) at 11% in Diesel was first introduced in BS-III and has been further tightened to 8% in BS-VI.

The Poly-Aromatic Hydrocarbon (PAH) in Diesel has been brought down as under:

Year	Supply of Auto Fuel Grade	Poly-Aromatics Hydrocarbon (PAH) Content
2000	BS-2000 Nation-wide	No limit
2005	BS-II Nation-wide	No limit
2010	BS-III Nation-wide	11%
2017	BS-IV Nation-wide	11%
2020	BS-VI Nation-wide	8%