

LOK SABHA
UNSTARRED QUESTION NO.2550
TO BE ANSWERED ON 14th March, 2016

HIGH SULPHUR CONTENT IN PETROLEUM COKE

2550. MAJ GEN B C KHANDURI AVSM (Retd):

पेट्रोलियम और प्राकृतिक गैस मंत्री

Will the Minister of PETROLEUM AND NATURAL GAS be pleased to state:

- (a) whether it is a fact that sulphur content and other pollutants in Petroleum Coke are very high in comparison to conventional fuels like coal and fuel oil, and causes exponential damage to the environment in comparison to conventional fuels;
- (b) if so, the reasons for replacing conventional fuels like coal and oil with petroleum coke;
- (c) its impact on environment and measures taken to stop incremental pollution;
- (d) whether the Government is aware that China has recently imposed restrictions on the import of Petroleum Coke into country and also has made provisions for heavy penalty on import of Petroleum Coke having sulphur content more than a certain limit;
- (e) whether above restrictions by China has resulted into cheap High Sulphur Petroleum Coke being dumped into country at higher pace, thus deteriorating the environment further and steps taken by the Government to restrict dumping of High Sulphur Petroleum Coke into the country; and
- (f) the total quantity of Petroleum Coke produced in the country and total quantity imported during the last three years and the current year, refinery-wise, year-wise?

ANSWER

पेट्रोलियम और प्राकृतिक गैस मंत्रालय में राज्य मंत्री (स्वतंत्र प्रभार) (श्री धर्मन्द्र प्रधान)

MINISTER OF STATE (INDEPENDENT CHARGE) IN THE MINISTRY OF PETROLEUM AND
NATURAL GAS (SHRI DHARMENDRA PRADHAN)

(a): As per information available, the sulphur contents in Petroleum Coke, Coal and Fuel Oil are as following :

Petroleum Coke		Coal	Fuel Oil
Produced from low sulphur crude	Produced from high sulphur crude		
0.6 to 1.5%*	6 to 7%*	0.2 to 4.5%#	3.5 to 4.5%#

* Source IOCL

Source MRPL

(b) & (c): Petroleum Coke is generally used as industry fuel by Cement, Steel, Graphite, Aluminium (etc) industry as per techno-economic considerations. However, the industry is required to adhere to stipulated emission standards.

(d) & (e): IOCL has informed that the domestic Petcoke may be consumed even with higher sulphur content to sustain refinery production/viability as the same gets produced due to introduction of BS-4/BS-5 fuels to reduce pollution and protect our environment. As per information given by Directorate General of Foreign Trade (DGFT), Petroleum Coke import in the country in the last 3 years and current year is given in the Table-I of the annexure.

(f): The details of the Petroleum Coke produced in the country in the last three years and the current year as provided by the Refineries producing the same is given in the Table –II of the annexure.

Annexure**Table-I**

Data for Petroleum coke imports into India in last 3 years:

Commodity	Import quantity (in MMT)			
	2012-2013	2013-2014	2014-2015	2015-2016(Apr-Dec)
PETROLEUM COKE	3.34	3.57	5.81	6.56

Source: DGFT

Table-II

Refinery-wise the production of Petroleum Coke during the last three years and the current year:

(Figures in TMT)

S. No.	Refinery	2012-13	2013-14	2014-15	2015-16 (upto Feb, 2016)
1.	IOC-Guwahati	55	61	60	52
2.	IOC-Barauni	142	124	132	125
3.	IOC-Koyali	606	681	761	665
4.	IOC-Digboi	40	35	35	28
5.	IOC-Panipat	886	978	870	766
6.	IOC-Bongaigaon	129	128	137	131
7.	NRL, Numaligarh	65.5	67.5	92.9	86.3
8.	MRPL, Mangalore	-	-	367	765
9.	RIL, Jamnagar	2837	2799	2844	
10.	RIL, SEZ	3578	3849	3600	
11.	EOL, Vadinar	1739	2112	2248	
12.	BORL, Bina	409.6	438.5	530.0	433.9
13.	HMEL, Bhatinda	457	795	770	
	Total	10944.1	12068	12446.9	3052.2