



उच्च प्रौद्योगिकी केन्द्र

(पेट्रोलियम एवं प्राकृतिक गैस मंत्रालय, भारत सरकार)

Centre for High Technology

(Ministry of Petroleum & Natural Gas, Govt. of India)

स.उ.प्रौ.के./प्रशा./3.17/1404

दिनांक 26.12.2018

अनुभाग अधिकारी (ओआर-II)

पेट्रोलियम एवं प्राकृतिक गैस मंत्रालय,

भारत सरकार, शास्त्री भवन,

नई दिल्ली - 110001

विषय: दिनांक 31.12.2018 का लोकसभा प्रश्न डायरी सं.7544

(संदर्भ: सेटिंग अप ऑफ मेगा रिफाइनरी)

महोदय,

कृपया आप अपने पत्र दिनांक 24.12.2018 का अवलोकन करें जो कि लोकसभा के पटल पर 31.12.2018 को रखा जाना तय हुआ है।

लोकसभा प्रश्न डायरी संख्या 7544 के प्रश्न का उत्तर देने हेतु अनुपूरक सामग्री उच्च प्रौद्योगिकी केन्द्र द्वारा प्रेषित की जा रही है।

धन्यवाद,

भवदीय

(सत्यवीर सिंह)

संयुक्त निदेशक (एच आर)

संलग्नक: यथा उपर्युक्त

का. प्रति:

- कार्यकारी निदेशक
- निदेशक

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Centre for High Technology

(Ministry of Petroleum & Natural Gas)

NOIDA

December 26, 2018

Ref: MoP&NG e-mail dated 24.12.2018 – Lok Sabha Q No. 7544 on Setting up of Mega Refinery to be answered on 31.12.2018

Q (a) whether the deadline for commissioning of the 44 billion mega refinery on the west coast has been extended by three years and if so the details thereof along with the status of land acquisition for the said project and the steps taken by the Government to clear the hurdles in land acquisition;

Ans.(a) Inputs received from IOCL is furnished below :

“The deadline for the commissioning of the proposed 60 MMTPA Refinery cum Petrochemical Complex at Ratnagiri, Maharashtra has not been extended by three years.

The schedule for commissioning of this mega Refinery as per international standards & practices of Refinery Construction is 2025 considering 60 months construction/ commissioning period after Final Investment Decision which is expected by end 2020.

Regarding Land Acquisition, Maharashtra Industrial Development Corporation (MIDC) along with Govt. of Maharashtra had started the process of land acquisition for the project. However, due to opposition from certain sections of the society, the process of land acquisition has been deferred.

In this context, an Independent High Level Committee of Experts consisting of Retd. IAS level officers and eminent professors has been appointed to address all pertinent grievances and issues concerning the local population.

The Committee would also recommend Resettlement and Rehabilitation package for the affected population. Further, two independent institutions have been identified to carry out Environmental Impact Study (EIA) and Social Impact Assessment Study (SIA).”

MoP&NG may reply suitably.

Q (b) whether the Government proposes to open new petrol refineries in view of increasing demand of petroleum products in Uttar Pradesh and if so, the details thereof, location-wise ;

Ans.(b). MoP&NG may reply suitably.

As per the report of the working group constituted by MoP&NG on enhancing refining capacity by 2040, released in Jan, 2018, there is no plan to set up a new refinery in Uttar Pradesh.

Q (c) The total number of oil-refineries functioning in the country, refinery/company-wise alongwith total number of by products being produced while processing the crude oil by the refineries and the total income earned by the refineries by selling these by products during the last three years refinery-wise ;

Ans.(c) At present total 23 number of oil-refineries are functioning in the country. The refinery/company-wise names are given below:



Sl. No.	Name of Oil Company & Refinery	Location
A)	Public Sector	
I.	Indian Oil Corporation Limited (IOCL)	
1.	Guwahati Refinery	Assam
2.	Barauni Refinery	Bihar
3.	Koyali Refinery	Gujarat
4.	Haldia Refinery	West Bengal
5.	Mathura Refinery	Uttar Pradesh
6.	Digboi Refinery	Assam
7.	Panipat Refinery	Haryana
8.	Bongaigaon Refinery	Assam
9.	Paradip Refinery	Odisha
II.	Bharat Petroleum Corporation Limited (BPCL)	
10.	Mumbai Refinery	Maharashtra
11.	Kochi Refinery	Kerala
III.	Hindusthan Petroleum Corporation Limited (HPCL)	
12.	Mumbai Refinery	Maharashtra
13.	Visakh Refinery	Andhra Pradesh
IV.	Chennai Petroleum Corporation Limited (CPCL)	
14.	Manali Refinery	Tamil Nadu
15.	Cauvery Basin Refinery, Narimanam	Tamil Nadu
V.	Numaligarh Refinery Limited (NRL)	
16.	Numaligarh Refinery	Assam
VI.	Oil & Natural Gas Corporation Limited (ONGC)	
17.	Tatipaka Refinery	Andhra Pradesh
VII.	Mangalore Refinery & Petrochemicals Limited (MRPL)	
18.	Mangalore Refinery	Karnataka
	PSU (Sub Total)	
B)	Private/JV Sector	
19.	HMEL Bathinda refinery	Punjab
20.	BORL Bina Refinery	Madhya Pradesh
21.	Nayara Energy Limited, Vadinar Refinery	Gujarat
22.	RIL-Jamnagar Refinery	Gujarat
23.	RIL-SEZ Refinery, Jamnagar	Gujarat

The products produced from a Refinery depend upon the technology employed and its configuration. All refineries produce products like LPG, Petrol, Naphtha, Kerosene/ATF, and Diesel. The other products like Furnace Oil, Bitumen and Petroleum Coke are refinery specific and depend upon the type of crude processed and configuration. Refineries of HPCL and BPCL at Mumbai, CPCL-Manali and IOC's Haldia Refinery are designed to produce Lube Oil base Stocks also. Some refineries have integrated petrochemical units and produce Polymers, Linear Alkyl Benzene, Xylenes, Purified Terephthalic Acid and other Petrochemicals. The refinery-wise products are indicated in the attached table at **Annexure-1**. Sulphur is a byproduct from a refinery.



Q (d) whether the Government proposes to set up new refinery in the country and if so, the details thereof;

Ans. (d) As per the report of the working group constituted by MoP&NG on enhancing refining capacity by 2040, released in Jan, 2018, the plan for setting up new refinery is as under:

- i) 9.0 Million Metric Tonne per Annum (MMTPA) Capacity refinery at Narimanam, Tamil Nadu by CPCL.
- ii) 9.0 Million Metric Tonne per Annum (MMTPA) Capacity refinery at Barmer, Rajasthan by Hindusthan Rajasthan Refinery Ltd.
- iii) A Grassroot Refinery integrated with Petrochemical Complex in Ratnagiri District at Maharashtra of 60.0 Million Metric Tonne per Annum (MMTPA) Capacity

Q (e) whether the Government has started outsourcing of refining process in the country and received any proposal in this regards and if so, the details thereof alongwith the criteria fixed for selection of works to be outsourced; and

Ans.(c) The main refining process in India is not outsourced. In some of the Indian refineries, offsites, power and utility systems, Effluent Treatment Plant (ETP), Hydrogen Generation & Supply, Nitrogen Generation & Supply, etc. are being outsourced under Built Own & Operate (BOO)/ Built Own Operate & Trade (BOOT) basis.

Q(f) the extent to which the working of the refineries is likely to improve by such outsourcing ?

Ans (f): OMCs may reply.



Annexure-1.

Refinery-wise Products

(√ means product produced by the refinery and
X means product not produced by the refinery)

Refinery	LPG	MS	Naphtha	ATF	Kerosene	Diesel	Furnace Oil	Bitumen	Lube Oil	Petcoke	Others *
IOC-Guwahati	√	√	√	√	√	√	X	X	X	√	√
IOC-Barauni	√	√	√	X	√	√	√	√	X	√	√
IOC-Koyali	√	√	√	√	√	√	√	√	X	√	√
IOC-Haldia	√	√	√	√	√	√	√	√	√	X	√
IOC-Mathura	√	√	√	√	√	√	√	√	X	X	√
IOC-Digboi	√	√	x	X	√	√	√	X	X	√	√
IOC-Panipat	√	√	√	√	√	√	√	√	X	√	√
IOC-Bongaigaon	√	√	√	√	√	√	√	X	X	√	√
IOC-Paradip	√	√	√	√	√	√	X	X	X	√	√
BPC-Mumbai	√	√	√	√	√	√	√	√	√	X	√
BPC-Kochi	√	√	√	√	√	√	√	√	X	√	√
HPC-Mumbai	√	√	√	√	√	√	√	√	√	X	√
HPC-Visakh	√	√	√	√	√	√	√	√	√	X	√
CPCL-Manali	√	√	√	√	√	√	√	√	X	X	√
CPCL-Narimanam	√	X	√	X	√	√	X	X	X	X	√
NRL-Numaligarh	√	√	X	√	√	√	X	X	X	√	√
MRPL-Mangalore	√	√	√	√	√	√	√	√	X	√	√
ONGC-Tatipaka	X	X	√	X	√	√	X	X	X	X	√
RIL-Jamnagar	√	√	√	√	X	√	√	X	X	√	√
RIL-SEZ, Jamnagar	√	√	√	√	X	√	√	X	X	√	√
Nayara Energy Ltd, Vadinar	√	√	√	√	√	√	X	√	X	√	√
BORL-Bina	√	√	√	√	√	√	X	X	X	√	√
HMEL-Bathinda	√	√	√	√	√	√	X	√	X	√	√

*Others include Sulphur, Solvents, Speciality Products and Petrochemicals

Chimer

D.No 7544

Ministry to which the day has been allotted : PETROLEUM AND NATURAL GAS
Sitting on the : 31/12/2018

Setting up of Mega Refinery

Will the Minister of PETROLEUM AND NATURAL GAS

- (a) whether the deadline for commissioning of the 44 billion mega refinery on the west coast has been extended by three years and if so the details thereof along with the status of land acquisition for the said project and the steps taken by the Government to clear the hurdles in land acquisition;
- (b) whether the Government proposes to open new petrol refineries in view of increasing demand of petroleum products in Uttar Pradesh and if so, the details thereof, location-wise;
- (c) the total number of oil refineries functioning in the country, refinery/company-wise along with total number of by products being produced while processing the crude oil by the refineries and the total income earned by the refineries by selling these by products during the last three years, refinery-wise;
- (d) whether the Government proposes to set up new refinery in the country and if so, the details thereof;
- (e) whether the Government has started outsourcing of refining process in the country and received any proposal in this regard and if so, the details thereof along with the criteria fixed for selection of works to be outsourced;
- (f) the extent to which the working of the refineries is likely to improve by such outsourcing?

Parliament Question
Most Immediate

<<http://gandhi.gov.in>>

Government of India
Refinery Branch
Ministry of petroleum and Natural Gas

Please furnish inputs on the above mentioned parliament question along with note for supplementary by today.

Chairman IOCL
CMD HPCL/BPCL
MD NRL/MRPL/CPCL
DG, PPAC

for Shishu Jain
21/12/18
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