



No.: CHT/ED/06 | 2337

09.03.2020

Sub: Rajya Sabha Provisionally Admitted Question: Diary No: U3365 dated 6.3.2020 to be answered on 18.03.2020 regarding Expansion of Oil refining capacity

Q (a) whether it is a fact that the Government is considering to expand the oil refining capacity by 80 percent

Q (b) if so, the details thereof;

Ans (a&b): A Working Group was constituted by Ministry of Petroleum and Natural Gas to assess the requirement of refining capacity by 2040. The report of the Working Group has been released in Jan, 2018. As per the report, by 2035, the requirement is estimated to be about 443 MMTPA to meet the domestic demand. As per the Capacity Expansion Plan indicated by Refining Industry, the refining capacity will go up from current 249.4 MMTPA to about 443 MMTPA by 2030 i.e by about 78%, with the implementation of brownfield expansion of existing refineries (by 125 MMTPA) and Greenfield Projects at Barmer, Rajasthan (9 MMTPA) and in West Coast, Maharashtra (60 MMTPA).

Q (c) whether it is also a fact that India needs to meet the incremental requirement of fuel by BS-VI grade petrol and diesel, CNG and

Q (d) if so, the steps taken by the Government in this regards?

Ans (c&d): Govt. has already decided to Supply BS-VI grade petrol and diesel across the country from 1st April, 2020. Accordingly, the refineries in India are being reconfigured with incorporation of BS-VI Quality Upgradation Projects to produce and supply BS-VI grade petrol and diesel from Refineries. Further, to meet the incremental demand of petrol and diesel, the capacity expansion/upgradation plan of refineries include incremental supply of BS-VI quality petrol and diesel.

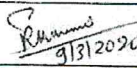
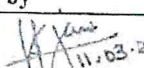
Blending of Ethanol in Gasoline and Bio-Diesel in Diesel has already commenced. Govt of India has announced National Policy on Biofuels-in June 2018, which aims to utilise, develop and promote domestic feedstock and its utilisation for production of biofuels. The Policy aimed at accelerated promotion of Biofuels with indicative targets of achieving 20% blending in Petrol and 5% blending in Diesel by 2030. Ministry of Petroleum and Natural Gas is working on promoting Ethanol, Compressed Bio-Gas and Bio-diesel. Further, Pradhan Mantri JI-VAN Yojna was launched in March, 2019 for promotion of 2G ethanol by providing financial support in the form of VGF for setting up Integrated Bioethanol Projects using lignocellulosic biomass and other Renewable feedstock to 12 commercial units (combined capacity of ~40 crore litre per annum) and 10 demonstration units at semi commercial level. Further, EOI has been



demonstration units at semi commercial level. Further, EOI has been launched by OMCs for procurement of Bio-Diesel from Used Cooking Oil (UCO), which will provide the entrepreneurs to set up biodiesel plants while getting remunerative price and assurance of complete offtake of production by OMCs.

Under SATAT (Sustainable Alternative towards Affordable Transportation), there is plan to install 5000 Bio-CNG units with potential to produce 15 million tonne of Gas by 2023.

Regarding CNG, inputs may be obtained from GAIL/PNGRB.

Prepared by		Approved by		Seen by	
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Note for Supplementary to Parliament Question Dy. No. U 3365 to be answered on 18.3.2020 regarding expansion of Oil refining capacity

The refinery-wise present Capacity and expansion plan is as under:

	Refinery	Present Capacity	Increase by	Capacity By 2030
I.	Brownfield Capacity Expansion			
A	Public Sector Units (PSUs)	MMTPA	MMTPA	MMTPA
1	IOCL-Digboi	0.65	0	0.65
2	IOCL-Guwahati	1.00	0.2	1.2
3	IOCL-Barauni	6.00	3	9
4	IOCL-Koyali	13.70	4.3	18.0
5	IOCL-Bongaigaon	2.35	2.65	5.0
6	IOCL-Haldia	7.50	0.5	8.0
7	IOCL-Mathura	8.00	1.2	9.2
8	IOCL-Panipat	15.00	10	25
9	IOCL-Paradip	15.00	10	25
10	CPCL- Manali	10.50	0	10.5
11	CPCL- Nagapattinam	1.00	8	9
12	HPC-Mumbai	7.50	2	9.5
13	HPC- Visakhapatnam	8.30	6.7	15.0
14	BPC-Mumbai	12.00	0	12
15	BPC- Kochi	15.50	4.5	20
16	MRPL - Mangalore	15.00	3	18
17	ONGC- Tatipaka, AP	0.066	0	0.066
18	NRL	3	6	9
	Sub-total PSU (A)	142.066	62.05	204.116
B	Private Sector Units			
19	RIL-DTA, Jamnagar	33.00	30	63
20	RIL – SEZ, Refinery	35.20	0	35.2
21	Nayara Energy - Vadinar	20.00	26	46
	Sub-total Private sector (B)	88.20	56.0	144.2
C	Joint Venture			
22	HMEL - Bhatinda	11.30	Nil	11.3
23	BORL - Bina	7.80	7.2	15
	Sub-Total Joint venture (C)	19.10	7.2	26.3
	Total (I = A + B + C)	249.366	125.25	374.616
II	Green Field Refinery			
1	HPCL Rajasthan Refinery Limited (HRRL), Barmer	-	9	9
2	West Coast refinery	-	60	60
	Total (II)	-	69	69
	Grand Total (I+II)	249.366	194.25	443.616

The expansion of above refineries is subject to techno-economic consideration.



To incentivize 2G Ethanol sector and support this nascent industry by creating a suitable ecosystem for setting up commercial projects and increasing Research & Development, Government of India on 28.02.2019 launched "Pradhan Mantri DIVAN (Jaiv Indhan- Vatavaran Anukool fasal awashesh Nivaran) Yojana" as a tool to create 2G Ethanol capacity in the country and attract investments in this new sector. The said scheme has been notified on 08.03.2019 in Extraordinary Gazette of India.

The scheme objective is to support 12 Commercial Scale and 10 demonstration scale Second Generation (2G) ethanol Projects with a Viability Gap Funding. Total financial outlay of Rs 1969.50 crore for the period 2018-19 to 2023-24.

Out of Rs 1969.50 Crore, Rs 1800 Cr has been allocated for supporting 12 Commercial projects, Rs 150 crore has been allocated for supporting 10 demonstration Projects and remaining Rs 19.50 crore will be provided to Centre for High Technology (CHT) as administrative charges.

The Scientific Advisory Committee (SAC) of Ministry of Petroleum & Natural Gas is the Nodal body for recommending the beneficiaries/ projects under the said scheme. Centre for High Technology (CHT), a technical body under the aegis of MoP&NG, is the implementation Agency for the scheme.

PROVISIONALLY ADMITTED QUESTION FOR THE RAJYA SABHA

Starred /Unstarred Diary No.-- U3365

The Question Will be put down for -- 18/03/2020

Answer on the Ministry Department -- Petroleum and Natural Gas(PET)

Expansion of oil refining capacity

Shri A. Mohammedjan: Will the Minister of Petroleum and Natural Gas be pleased to state

(a) whether it is a fact that Government is considering to expand the oil refining capacity by 80 per cent;

(b) if so, the details thereof;

(c) whether it is also a fact that the India needs to meet the incremental requirement of fuel by BS VI grade petrol and diesel, CNG and biofuels; and

(d) if so, the steps taken by Government in this regard?

aa

SO (OP)