

**LOK SABHA
UNSTARRED QUESTION NO. 2746
TO BE ANSWERED ON 17TH MARCH 2022**

HYDROCARBON VISION 2025

2746. MS. MIMI CHAKRABORTY:

पेट्रोलियम व प्राकृतिक गैस मंत्री

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

- (a) the status of implementation of the Hydrocarbon Vision for 2025 and the details of investments made towards the same as on date, State-wise;
- (b) the details of refineries in the North-Eastern region along with their refining capacity and their production rate, State and year-wise during the last five years and the current year along with basin-wise hydrocarbon production;
- (c) the quantum of oil refined and produced by said refineries including their by-products along with profit/loss incurred by them during the last five years and the current year; and
- (d) whether there has been any initiative towards transferring ONGC's assets to OIL, if so, the current status thereof?

ANSWER

पेट्रोलियम और प्राकृतिक गैस मंत्रालय में राज्यमंत्री
(श्रीरामेश्वर तेली)

**MINISTER OF STATE IN THE MINISTRY OF PETROLEUM AND NATURAL GAS
(SHRI RAMESWAR TELI)**

(a):

The Hydrocarbon Vision 2030 for North East Region (NER) was released by the Government on 9th February, 2016 in Guwahati. The key action points identified in Hydrocarbon Vision 2030 for improving the infrastructure in the NER comprises Upstream, Midstream-Downstream Sectors & Gas pipeline. The following is the status of implementation for each sector:

i) Upstream:

Presently Oil & Gas E&P activities in North-East are concentrated in the States of Assam, Arunachal Pradesh, Tripura and Mizoram. The states of Assam, Arunachal Pradesh and Tripura produced about 13% of Oil and about 16% of Gas of the total

production of the country in year 2020-2021. Details of Oil & Gas Production & investment are provided at Annexure-I.

ii) Midstream:

The details of the status of implementation of the Hydrocarbon Vision 2030 for North East, including details of investments made, project-wise in the midstream sector are provided at Annexure-II.

iii) Downstream

The details of the status of implementation of the Hydrocarbon Vision for North East 2030, including details of investments made, project-wise in the downstream sector are provided at Annexure-III.

iv) Gas pipeline

The North East Gas Grid (NEGG) project was conceived in line with the Hydrocarbon Vision to supply Natural gas covering all the North Eastern states at an estimated cost of INR 9,265 crores. The 1656 Km long natural gas pipeline grid having capacity of 4.75 million metric standard cubic meter (MMSCMD) traverses through challenging terrains of the North East India and would connect Guwahati to capital / major cities of the region like Itanagar, Dimapur, Kohima, Imphal, Aizawl, Agartala, Shillong, Silchar, Gangtok and Numaligarh. NEGG project is scheduled to be completed by March 2024. The state wise planned and actual investments made in the project are provided at Annexure-IV.

(b) & (c):

The details of refineries in the Northeast region including their refining capacities, crude oil processing and profit/loss are provided at Annexure-V.

(d):

At present, there is no proposal to transfer ONGC's assets to OIL.

Annexure-I to the Reply to Lok Sabha Unstarred Question No.2746 for 17.03.2022

STATE	Cumulative Production from 2015 - 2021		Cumulative Investment details from 2015 - 2021 (Rs in Crores)			
	Oil (MMT)	Gas (BCM)	PSC	DSF	RSC	NSP
Arunachal Pradesh	0.32	0.23	48.75	0.00	1.42	45.46
Assam	25.02	18.80	288.75	1.073	65.58	150.05
Manipur	0.00	0.00	2.25	0.00	0.00	0.85
Mizoram	0.00	0.00	612.75	0.00	0.00	30.74
Nagaland	0.00	0.00	0.00	0.00	31.62	0.00
Tripura	0.017	8.85	412.50	1.973	36.14	5.76
Assam-AR	0.00	0.00	0.00	0.00	179.27	0.00
Assam-MZ	0.00	0.00	0.00	0.00	0.29	0.00
Assam-NL	0.00	0.00	0.00	0.00	57.47	0.00
Total NER	25.36	27.88	1363.50	3.05(approx)	371.78	232.86
<i>**PSC: Production Sharing Contracts, DSF: Discovered Small fields, RSC: Revenue Sharing Contracts & NSP: National Seismic Program.</i>						

Oil India Limited (OIL):

The State wise investment in Hydrocarbon sector in North East Region made by OIL in last 5 years from FY 2016-17 to 2020-21 is given below:

States	Investments (Rs. Crore)
Assam & Arunachal Pradesh	13,586.14
Mizoram	315.75
Nagaland	39.03
Tripura	10.09
Grand Total	13,951.01

Oil & Natural Gas Corporation Ltd (ONGC):

The State-wise investment made by ONGC in North-East Region is as under:

(Rs. In crore)

State / Year	Assam	Tripura	Total
2014-15	2,226.97	265.32	2,492.29
2015-16	2,049.47	175.03	2,224.50
2016-17	2,075.37	344.50	2419.87
2017-18	2,445.75	407.48	2,853.23
2018-19	2,713.09	404.95	3,118.04
2019-20	2,910.54	392.17	3,302.71
2020-21	2,535.67	295.13	2,830.80

The details of ONGC's crude oil and natural gas production along with Oil + Oil Equivalent of Gas (O+OEG) in the State of Assam and Tripura during the years 2016-17 to 2020-21:-

(oil in MMT, Gas in BCM & O+OEG in MMTOE)

Year	Assam#		Tripura		Total North East		Total North East
	Oil	Gas	Oil	Gas	Oil	Gas	O+OEG
2016-2017	0.950	0.435	0.003	1.430	0.953	1.865	2.818
2017-2018	0.971	0.508	0.003	1.441	0.974	1.949	2.923
2018-2019	0.990	0.482	0.003	1.554	0.993	2.036	3.029
2019-2020	0.986	0.461	0.002	1.473	0.988	1.934	2.922
2020-2021	0.963	0.387	0.002	1.634	0.965	2.021	2.986

Production from Assam Asset, Jorhat Asset and AAFBE Asset, Silchar

Annexure-II to the Reply to Lok Sabha Unstarred Question No.2746 for 17.03.2022

Pipeline

S No	Project/Item	Physical Progress (in %)	Expenditure/ Funds released (Rs in Crores)
1	Barauni-Bongaigaon pipeline by OIL	100.00	490.00
2	Paradip-Siliguri- Numaligarh Imported crude oil pipeline (1640 Km)	16.04	838.00
3	Numaligarh-Siliguri Product Pipeline (capacity enhancement) by OIL	2.00	2.00
4	Siliguri-Parbatipur (Bangladesh) product pipeline Capacity: 1 MMTPA	81.30	231.00

POL Products

S No	Project/Item	Physical Progress (in %)	Expenditure/ Funds released (Rs in Crores)
1	Tankages for POL products at Malom, Imphal, Manipur (Cap: 21.9 TKL)	100	127
2	Conversion of existing MG rail Siding to BG at Dharmanagar (Tripura) tankage 5.8 TKL and Ramnagar (Silchar) Depotstankage 18.7 TKL – Discontinuation of MG	100	54
3	ATF handling facilities at Lumding Assam, Terminal ATF availability to AFS – supply reliability & strategic requirement	100	8
4	Digboi Marketing Terminal (Golai) Digboi (Tinsukia Resitement) with Rail handling facilities (HSD 13.1 TKL, MS-8.7 TKL, SKO/ATF- 6.6 TKL, FO-6.6 TKL)	100	273

S No	Project/Item	Physical Progress (in %)	Expenditure/ Funds released (Rs in Crores)
5	Tankages for POL products at Doimukh, Arunachal Pradesh (with Rail handling facilities) Tankage enhancement from 6.7 TKL to 21.5 TKL. Conversion from road fed to rail fed improving product availability & reliability	100	248
6	Tankages (30 TKL) for POL products at Moinarband, Silchar (with Rail handling facilities)	99	467

Liquefied Petroleum Gas (LPG), Bottling Plant (BP) & Storage

S No	Project/Item	Physical Progress (in %)	Expenditure/ Funds released (Rs in Crores)
1	2 x 150 MT additional storage of LPG at BP Dimapur (Nagaland)	100	12
2	Augmentation of Gopanari BP from 30 TMTPA to 60 TMTPA	100	9
3	Augmentation of Silchar BP from 60 TMTPA to 120 TMTPA by installation of additional 1x24 pt. Carousel.	100	23
4	2x600 MT Additional LPG Storage Project at North Guwahati	100	28
5	North Guwahati LPG BP capacity augmentation(120 to 180 TMTPA)	100	17
6	New BP of 120 TMTPA at Bodhjungnagar, Agartala, Tripura	100	159

Annexure-III to the Reply to Lok Sabha Unstarred Question No.2746 for 17.03.2022

S No	Project/Item	Physical Progress (in %)	Expenditure/ Funds released (Rs in Crores)
1	Expansion of NRL's refining capacity	7.56	681
2	Expansion of refining capacity 1 to 1.2 MMTPA-Guwahati	12.3	30
3	New Catalytic Reforming Unit at Guwahati Refinery capacity -90 TMTPA.		
4	Enhancement of LPG production in refineries using INDMAX technology	100	2167
5	Petcoke fired Boiler at Guwahati Refinery (Capacity 80 MT/h)	83.60	122
6	Fuel quality upgradation Project at Guwahati Refinery	99.8	566
7	Fuel quality upgradation Project at Digboi refinery	100	54
8	Fuel quality upgradation Project at Bongaigaon refinery	100	1222
9	Guwahati Refinery: Indadept-G unit (35 TMTPA)	100	164
10	Digboi Refinery: Crumb Rubber Modified Bitumen (CRMB) / Hybrid Bitumen (25 TMTPA)	100	10.5
11	Bio-ethanol through Bio refinery of NRL	52.50	923

Annexure-IV to the Reply to Lok Sabha Unstarred Question No.2746 for 17.03.2022

State	Planned Investment (in Rs. Crore)	Investment made till 31.10.21 (in Rs. Crore)
Assam	5142	566
Meghalaya	959	44
Arunachal Pradesh	66	3.34
Tripura	1198	62.79
Mizoram	511	27.69
Nagaland	426	22.25
Manipur	404	22.25
Sikkim	78	7.42
West Bengal	481	23.24
Total	9265	779

Annexure-V to the Reply to Lok Sabha Unstarred Question No.2746 for 17.03.2022

Refining capacity and Oil Refined (TMTPA):

Refinery	Refining Capacity	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22 (Upto December 2021)
IOC Guwahati	1000	864	1024	863	892	849	463
IOC Digboi	650	533	666	676	664	605	537
IOC Bongaigaon	2350*	2486	2402	2513	2045	2450	2002
NRL Numaligarh	3000	2683	2809	2900	2383	2707	1993

*2700 TMTPA w.e.f. Oct'2020 after Indmax commissioning.

Total Product (TMTPA):

Refinery	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22 (Upto December 2021)
IOC Guwahati	760	912	784	801	759	422
IOC Digboi	519	648	659	648	591	553
IOC Bongaigaon	2278	2190	2303	1866	2172	1752
NRL Numaligarh	2488	2617	2729	2131	2539	1893

Profit/Loss: Profit After Tax (Rs. Crores):

Refinery	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22 (Upto December 2021)
IOC Guwahati	483	479	86	15	627	271
IOC Digboi	101	173	89	26	290	501
IOC Bongaigaon	1821	1430	1164	184	2718	2524
NRL Numaligarh	2101	2045	1968	1381	3036	2429