LOK SABHA

UNSTARRED QUESTION NO. 125

TO BE ANSWERED ON 18.7.2016

NATURAL GAS PRODUCTION

125. SHRI R. GOPALAKRISHNAN:

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

पेट्रोलियम और प्राकृतिक गैस मंत्री

(a) whether the country is largely dependent on import of natural gas due to mismatch in demand and supply of natural gas in the country;

(b) if so, the details thereof and the reasons therefor and the steps taken/being taken by the Government to recoup the domestic production of natural gas;

(c) whether the unavailability of pipeline network is one of the reasons for such deficiency; and

(d) if so, the details thereof along with the steps taken/being taken by the Government to step up exploration and production of natural gas and laying pipeline infrastructure for transportation of natural gas across the country?

ANSWER

पेट्रो लयम और प्राकृतिक गैस मंत्रालय में राज्य मंत्री (स्वतंत्र प्रभार)
(श्री धर्मेन्द्र प्रधान)

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

(a) & (b): The net domestic gas production, import of LNG and the import dependency for the last three years is mentioned at **Annexure-I**. There is a mismatch in the demand for natural gas and the domestic gas availability and LNG has been imported in the country to meet the demand.

- Government has taken various policy and administrative initiatives to enhance the performance of hydrocarbon sector in the country. Some of the policy decisions taken by the Government in recent years are as under:
- Government has approved a new Hydrocarbon and Exploration Licensing Policy (HELP) and same has been notified on 30th March 2016.
- Government has approved policy for auctioning of 67 discovered small fields of ONGC/OIL through international competitive bidding for early monetization.
- Marketing and Pricing freedom for new gas production from Deepwater, Ultra

Deepwater and High Pressure-High Temperature areas subject to certain conditions.

- Policy for grant of extension to the Production Sharing Contracts of 28 small and medium sized discovered blocks.
- Policy Framework for relaxation, extensions and clarifications at the development and production stage under PSC regime for early monetization of hydrocarbon discoveries.
- New Domestic Natural Gas price Guidelines, 2014: Under these guidelines, gas price has been linked to the market/ important hub prices.
- Appraisal of about 1.5 million sq. km un-appraised area of the Indian Sedimentary Basins.
- Re-assessment of Hydrocarbon Resources.
- National Data Repository has been setup.
- Policy for exploration and exploitation of Shale Gas/Shale Oil resources by NOCs under the Nomination Regime.
- Policy for exploration in the Mining Lease (ML) areas after the expiry of exploration period.
- Policy on Non–exclusive Multi-client Speculative Survey for assessment of unexplored sedimentary basins has been operationalized.

(c) & (d): Over the last 30 years, Gas pipeline infrastructure in the country is being developed in synchronization with the development of gas sources (Domestic + Imported LNG) and upcoming projects of major gas consuming sectors i.e. Fertilizer, Power, LPG manufacturing, Refinery, Petrochemical, Steel, other industrial units and City Gas Distribution (CGD) sector. At present, the country is having about 15,000 Km long Natural Gas pipeline network in operation. The details of existing gas pipeline are at **Annexure-II**. In order to set up the National Gas Grid across the country, Government of India has identified a number of pipelines and spur-line pipeline sections of total length of about 15,000 km. Out of the envisaged 15,000 Km additional gas pipeline, PNGRB/GoI has already authorized entities to construct about 13,000 Km long pipelines. The current status of under-construction gas pipelines as a part of National Gas Grid is placed at **Annexure-III**.

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ANNEXURE-I REFERRED IN REPLY TO PART (a) OF LOK SABHA UNSTARRED QUESTION NO. 125 TO BE ANSWERED ON 18.7.2016

DEMAND AND SUPPLY OF NATURALGAS IN THE COUNTRY

(Figures in MMSCMD)

Year	Net domestic gas production (net of flare and loss)	LNG Import	Total Consumption	Import dependency (%)
2013-14	94.72	48.57	143.29	33.90
2014-15	89.57	50.78	140.35	36.18
2015-16	85.08	58.22	143.30	40.63

ANNEXURE-II REFERRED IN REPLY TO PART (c) OF LOK SABHA UNSTARRED QUESTION NO. 125 TO BE ANSWERED ON 18.7.2016

DETAILS OF EXISTING GAS PIPELINE IN INDIA

Operating Natural Gas Pipelines in India					
S. No.	Name of the Pipeline	Name of Entity	Authorized Length (Kms.)	Authorized Capacity (MMSCMD)	Date of Authorization
1	Assam regional network	GAIL (India) Limited	7.8	2.500	04.11.2009
2	Cauvery Basin network	GAIL (India) Limited	240.3	4.330	04.11.2009
3	Hazira-Vijaipur-Jagdishpur -GREP (Gas Rehabilitation and Expansion Project)-Dahej-Vijaipur HVJ/VDPL	GAIL (India) Limited	4222.0	57.300	19.04.2010
4	Dahej-Uran-Panvel-Dhabhol	GAIL (India) Limited	815.0	19.900	10.05.2010
5	K.G. Basin network (+RLNG+RIL)	GAIL (India) Limited	877.9	16.000	12.05.2010
6	Gujarat regional network (+RLNG+RIL)	GAIL (India) Limited	608.8	8.310	03.12.2010
7	Agartala regional network	GAIL (India) Limited	55.4	2.000	13.12.2010
8	Chhainsa-Jhajjar-Hissar	GAIL (India) Limited	455.0	35.000	13.12.2010
9	Dahej-Vijaipur (DVPL)-Vijaipur-Dadri (GREP) Upgradation DVPL 2 & VDPL	GAIL (India) Limited	1280.0	54.000	14.02.2011
10	Dadri-Bawana-Nangal	GAIL (India) Limited	886.0	31.000	15.02.2011
11	Mumbai regional network	GAIL (India) Limited	128.7	7.000	14.03.2011
12	Kochi-Koottanad-Bangalore-Mangalore (Phase-I)	GAIL (India) Limited	42	16.000	31.05.2011
13	Dabhol-Bangalore	GAIL (India) Limited	1004.0	16.000	14.11.2011
14	Dukli Maharajganj (Earlier-Agartala)	GAIL (India) Limited	5.2	0.260	09.01.2014
15	Uran-Trombay	Oil and Natural Gas Corporation Limited	24.0	6.000	03.05.2011

16	EWPL (Kakinada-Hyderabad -Uran -Ahmedabad)	Reliance Gas Transportation Infrastructure Limited	1460.0	95.000	19.04.2010
17	High Pressure Gujarat Gas Grid network	Gujarat State Petronet Limited	2239.0	31.000	27.07.2012
18	Low Pressure Gujarat Gas Grid network	Gujarat State Petronet Limited	57.6	12.000	19.03.2013
19	Hazira-Ankleshwar	Gujarat Gas Company Limited	73.2	5.060	05.07.2012
20	Dadri-Panipat	Indian Oil Corporation Limited	132.0	9.500	05.01.2011
21	Assam regional network	Assam Gas Company Limited	104.7	2.428	20.12.2013
22	Uran-Taloja	Deepak Fertlizer & Petrochemicals Corp. Ltd.	42.0	0.700	21.10.2014
Grand Total			**14760.6**	**431.288**	

Note:
Pipelines at serial nos. 8, 10, 12 & 13 are not yet fully completed and part of the length is still under construction. Balance length under construction for these pipelines is (i) Chhainsa-Jhajjar-Hissar (189.98 kms.) (ii) Dadri-Bawana-Nangal (75.573 kms.) (iii) Kochi-Koottanad -Bangalore-Mangalore (1063 kms.) and (iv) Dabhol-Bangalore (409.86 kms.)

ANNEXURE-III REFERRED IN REPLY TO PART (d) OF LOK SABHA UNSTARRED QUESTION NO. 125 TO BE ANSWERED ON 18.7.2016

CURRENT STATUS OF UNDER CONSTRUCTION GAS PIPELINES

S. No.	Name of Pipeline	Name of Entity	Length (Kms.)	Capacity (MMSCMD)	Tentative Scheduled Completion
1	Jagdishpur-Haldia including Bokaro-Talcher-Angul/Dhamra	GAIL (India) Ltd	2539	16.00	Dec.2018 (ph-1)
2	Kochi-Koottanad-Bangalore-Mangalore (Ph-II)	GAIL (India) Limited	1063	16.00	-
3	Surat Paradip	GAIL (India) Limited	2112	74.81	-
4	Shahdol - Phulpur	Reliance Gas Pipelines Limited	312	3.50	July 2016
5	Kakinada - Vizag - Srikakulam	AP Gas Distribution Corporation	391	90.00	July 2017
6	Mallavaram - Bhopal - Bhilwara via Vijaipur	GSPL India Transco Limited	2042	76.25	Dec 2017
7	Mehsana - Bhatinda	GSPL India Gasnet Limited	2052	77.11	Dec 2017
9	Bhatinda - Jammu - Srinagar	GSPL India Gasnet Limited	725	42.42	Dec 2017
10	Ennore - Nellore	Gas Transmission India Pvt. Ltd.	430	36.00	Dec. 2017
11	Tie-in connectivity to the proposed Jaigarh LNG Terminal	H-Energy Gateway Pvt. Ltd.	60	29.00	2018
12	Ennore-Thiruvallur-Bengluru-Puducherry-	Indian Oil Corporation Ltd.	1385	84.67	Dec. 2018

	Nagapatinam-Madurai-Tuticorin				
Grand Total			**13111**	**549.76**	