

**MINISTRY OF PETROLEUM & NATURAL GAS**  
**LOK SABHA**  
**STARRED QUESTION No. 261**  
**TO BE ANSWERED ON 05.12.2016**

**Oil Pipeline Network**

\*261. SHRI PONGULETI SRINIVASA REDDY:

पेट्रोलियम और प्राकृतिक गैस मंत्री

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

- (a) the details of crude oil, petroleum products and gas pipeline network set up/operated by oil PSUs along with investment made thereof;
- (b) whether the Government proposes to establish Oil Pipeline Network Board to maintain pipeline infrastructure of Oil PSUs in the country and if so, the details thereof;
- (c) whether the Government has formulated/proposes to formulate any action plan to meet the network of pipeline infrastructure in the country and if so, the details thereof; and
- (d) whether the Government proposes to integrate Oil PSUs in laying pipeline infrastructure and if so, the details thereof along with the steps taken/being taken by the Government in this regard?

पेट्रोलियम 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) to (d): A statement is laid on the Table of the House.

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**STATEMENT REFERRED TO IN REPLY TO PARTS (a) to (d) OF THE LOK SABHA STARRED QUESTION NO.261 BY SHRI PONGULETI SRINIVASA REDDY TO BE ANSWERED ON 05.12.2016 REGARDING "OIL PIPELINE NETWORK".**

(a): The present network has 40,184 km of operational cross-country pipelines as per the details given below:-

<b>Products</b>	<b>LPG</b>	<b>Crude Oil</b>	<b>Gas</b>	<b>Total</b>
12,660	2,340	9,974	15,210	40,184

Out of the present network, 39724 kms are being operated by Oil and Gas PSUs.

Details are at Annexure-I.

The investment in these pipeline projects is more than Rs.80,000 crore.

(b): Oil PSUs submit expression of interest to the Petroleum and Natural Gas Regulatory Board to lay, build and operate petroleum product pipeline projects. There is no proposal to establish Oil Pipeline Network Board to maintain Pipeline Infrastructure of Oil PSUs in the country.

(c): The Oil Public Sector Undertakings (PSUs) have formulated a mechanism for optimization of cross country Petroleum Product Pipeline Projects taking into consideration the low cost of transportation and other inherent advantages of pipelines compared to other modes of transportation covering the requisite investment with cost benefit analysis and potential generation of employment thereof.

(d): Prospective pipelines are planned on the basis of future demand centers and refinery expansion projects of Oil PSUs and a mechanism has been evolved for development of pipeline infrastructure projects amongst the Oil PSUs, as per the following details:-

<b>S. No.</b>	<b>Details of projects in pipeline</b>	<b>No. of Pipelines</b>	<b>Length (Km)</b>	<b>Capacity (MMTPA)</b>
1	Joint Investment Model	14	9070	36.2
2	Product exchange basis	9	2869	23.1
3	Standalone basis	10	2941	21.2

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**Annexure I****ANNEXURE REFERRED TO IN REPLY TO PART (a) OF THE LOK SABHA STARRED QUESTION NO.261 BY SHRI PONGULETI SRINIVASA REDDY TO BE ANSWERED ON 05.12.2016 REGARDING "OIL PIPELINE NETWORK".****Existing Pipelines – Industry (Crude Oil & Petroleum Product Pipelines)**

S.No.	Name of the Pipeline	Name of the Entity	Service	Length (KM)	Capacity (MMTPA)
1	Barauni-Kanpur	IOCL	Product	745	3.5
2	Guwahati-Siliguri	IOCL	Product	435	1.4
3	Haldia-Barauni	IOCL	Product	526	1.25
4	Haldia-Mourigram-Rajbandh	IOCL	Product	277	1.35
5	Koyali-Ahmedabad	IOCL	Product	116	1.1
6	Koyali-Ratlam	IOCL	Product	265	2
7	Koyali-Dahej	IOCL	Product	197	2.6
8	Koyali-Sanganer	IOCL	Product	1288	4.6
9	Panipat-Ambala-Jalandhar	IOCL	Product	434	3.5
10	Panipat-Delhi	IOCL	Product	189	3
11	Panipat-Bhatinda	IOCL	Product	219	1.5
12	Panipat-Rewari	IOCL	Product	155	2.1
13	Bijwasan-Panipat	IOCL	Product	111	3.7
14	Mathura-Delhi	IOCL	Product	147	
15	Mathura- Tundla	IOCL	Product	56	1.2
16	Mathura- Bharatpur	IOCL	Product	21	
17	Chennai-Trichy-Madurai	IOCL	Product	683	2.3
18	Chennai-ATF	IOCL	Product	95	0.18
19	Chennai-Bangalore	IOCL	Product	290	2.45
20	Digboi- Tinsukia	IOCL	Product	75	1
21	Devanagonthi -Devanahalli	IOCL	Product	36	0.66
22	Paradip-Raipur-Ranchi	IOCL	Product	105	5
23	Mumbai-Manmad-Bijwasan	BPCL	Product	1389	6.0
24	Bina-Kota	BPCL	Product	259	4.4
25	ATF-MR-Santacruz	BPCL	Product	15	1.44
26	ATF-KR-Kochi Airport	BPCL	Product	34	0.6
27	Kota-Jobner	BPCL	Product	211	-
28	JV-Petronet-CCK	BPCL	Product	293	3.3
29	Mumbai-Pune	HPCL	Product	508	5.3
30	Vizag-Vijayawad-Sec'bad	HPCL	Product	572	5.38

S.No.	Name of the Pipeline	Name of the Entity	Service	Length (KM)	Capacity (MMTPA)
31	Mundra-Delhi	HPCL	Product	1054	5
32	Ramanmandi-Bahadurgarh	HPCL	Product	243	4.71
33	Ramanmandi-Bhatinda	HPCL	Product	30	1.13
34	Awa-Salawas	HPCL	Product	93	-
35	Bahadurgarh-Tikrikalan	HPCL	Product	14	-
36	HPFR-Mumbai Airport ATF	HPCL	Product	20	1.8
37	JV-Petronet-MHBL	HPCL	Product	364	2.14
38	Rewari-Kanpur	HPCL	Product	442	-
39	Numaligarh-Siliguri	OIL	Product	654	1.72
	<b>Total (Product)</b>			<b>12660</b>	<b>87.31</b>
1	Panipat-Jalandhar	IOCL	LPG	274	0.7
2	Mumbai-Uran	BPCL	LPG	28	0.8
3	Jamnagar-Loni	GAIL	LPG	1420	2.5
4	Vizag-V'Wada-Sec'bad	GAIL	LPG	618	1.33
	<b>Total (LPG)</b>			<b>2340</b>	<b>5.33</b>
1	Salaya-Mathura	IOCL	Crude	2384	25
2	Mundra-Panipat	IOCL	Crude	1194	8.4
3	Paradip -Haldia-Barauni	IOCL	Crude	1447	11
4	Vadinar-Bina	BPCL	Crude	937.0	6
5	Mundra-Bhatinda	HPCL	Crude	1017.0	9
6	Navagam-Koyali	ONGC	Crude	78.4	5.40
7	ANK-Koyali CTF	ONGC	Crude	94.8	2.20
8	Geleki-Jorhat	ONGC	Crude	48.5	1.50
9	Mehsana-Navagam	ONGC	Crude	77.0	2.27
10	Lakwa-Moran	ONGC	Crude	17.5	1.50
11	Narimanam CTF-CPCL	ONGC	Crude	5.3	0.74
12	Kalol-Nawagam CTF	ONGC	Crude	62.5	3.14
13	Navagam-Koyali	ONGC	Crude	78.4	3.30
14	Gandhar to Saraswani T-Point	ONGC	Crude	56.7	1.81
15	Akholijuni to Laxmipura T-Point	ONGC	Crude	65.1	0.48
16	Borholla-Jorhat	ONGC	Crude	42.8	0.60
17	Kesnapalli to Tatipaka	ONGC	Crude	13.5	0.08
18	Gopavaram - to S.Yanam	ONGC	Crude	3.5	0.09

S.No.	Name of the Pipeline	Name of the Entity	Service	Length (KM)	Capacity (MMTPA)
19	Mumbai High-Uran-Trunk	ONGC	Crude	204.0	15.63
20	Heera-Uran-Trunk	ONGC	Crude	81.0	11.50
21	Bombay-Uran Trunk	ONGC	Crude	203.0	6.38
22	Dulliajan--Barauni	OIL	Crude	1193	8.4
23	CAIRN-Mangla-Bhogat	CAIRN	Crude	670	8.71
<b>Total (Crude)</b>				<b>9974</b>	<b>133.13</b>

Operating Natural Gas Pipelines in India				
S.No.	Name of the Pipeline	Name of Entity	Length (Km)	Capacity (MMSCMD)
1	Assam regional network	GAIL	7.8	2.500
2	Cauvery Basin network	GAIL	240.3	4.330
3	Hazira-Vijaipur-Jagdishpur -(Gas Rehabilitation and Expansion Project)- Dahej-Vijaipur HVJ/VDPL	GAIL	4222.0	57.300
4	Dahej-Uran-Panvel-Dhabhol	GAIL	815.0	19.900
5	K.G. Basin network	GAIL	877.9	16.000
6	Gujarat regional network	GAIL	608.8	8.310
7	Agartala regional network	GAIL	55.4	2.000
8	Chhainsa-Jhajjar-Hissar	GAIL	455.0	35.000
9	Dahej-Vijaipur-Dadri Upgradation	GAIL	1280.0	54.000
10	Dadri-Bawana-Nangal	GAIL	886.0	31.000
11	Mumbai regional network	GAIL	128.7	7.000
12	Kochi--Bangalore-Mangalore	GAIL	73.9	16.000
13	Dabhol-Bangalore	GAIL	1414.0	16.000
14	Dukli Maharajganj	GAIL	5.2	0.260
15	Uran-Trombay	ONGC	24.0	6.000
16	EWPL (Kakinada-Hyderabad -Uran - Ahmedabad)	RGTTIL	1460.0	95.000
17	High Pressure Gujarat Gas Grid	GSPL	2239.0	31.000
18	Low Pressure Gujarat Gas Grid	GSPL	57.6	12.000
19	Hazira-Ankleshwar	Gujarat Gas Company Ltd.	73.2	5.060
20	Dadri-Panipat	Indian Oil	140.0	9.500
21	Assam regional network	Assam Gas Company Ltd.	104.7	2.428
22	Uran-Taloja	Deepak Fertilizer & Petrochemicals Corp.	42.0	0.700
<b>Total</b>			<b>15210</b>	<b>431.288</b>

Source: Indian Oil Corporation Limited on industry basis