Ready Reckoner

Snapshot of India's Oil & Gas data

January, 2016

Analysis • Knowledge • Information

Petroleum Planning & Analysis Cell
(Ministry of Petroleum & Natural Gas)

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Highlights

• Indigenous crude oil production during January, 2016 was 4.7% less (150 TMT) than that of January, 2015. On cumulative basis, the production was 1.2% (383 TMT) less than the April 2014 - January 2015 period.
• Production of petroleum products during January, 2016 saw a growth of 7.1% (1,344 TMT) over the corresponding month of the previous year. On cumulative basis during the period April 2015 to January 2016, there was a growth of 3.4% (6182 TMT) in production as compared to the same period in the previous year.
• Except for HMEL refinery's DHDT unit planned shutdown from 22.1.2016, there was no reported planned and unplanned shutdown of refinery primary units during January, 2016. This resulted in 113.5% capacity utilization during the month. Total product availability during the month from refineries/fractionators was 20,350 TMT against POL production of 19,006 TMT as compared to January 2015. This is highest POL production in a month during the current financial year.
• BPCL's Mumbai refinery has commissioned CDU-4, replacing existing CDU 1 and 2 units of equivalent capacity (6.0 MMT).
• Export of POL products improved during January, 2016 by 8.1% (453 TMT) as compared to January, 2015. On cumulative basis, POL exports were lower by 9% (4,868 TMT) as compared to the April 2014 - January 2015 period.

- Petroleum product consumption registered a growth of 12.7% during January, 2016 as compared to 3.1% growth during January, 2015. Except for Kerosene and LDO, all other products registered positive growth during January 2016. During the period, April 2015 to January 2016 petroleum product consumption registered a growth of 9.9% (13.5 MMT) as compared to the same period last year.
- Gross production of natural gas for the month of January, 2016 was 2,447 MMSCM which was lower by 15.3% compared with the corresponding month of the previous year (2,888 MMSCM). The cumulative gross production for the current year till January, 2016 was 27,145 MMSCM which was lower by 4.0% compared with the corresponding period of the previous year (28,286 MMSCM)
- LNG import during the month was 1,927 MMSCM which was 26.9% higher than the corresponding month of the previous year (1,519 MMSCM). The cumulative import 17,776 MMSCM for the current year till January, 2016 was higher by 9.7% compared with the corresponding period of the previous year (16,199 MMSCM).
- The prices of Brent crude averaged \$30.69/bbl during January, 2016 as against \$38.21/bbl during December 2015. Similarly the Indian basket crude averaged \$28.08/bbl during January, 2016 against \$35.68/bbl during the previous month.
- With the continuing downward trend in crude prices, the import bill of crude oil is estimated to reduce by 45% from \$113 billion in 2014-15 to \$62 billion in 2015-16 considering Indian basket crude oil price of \$ 35/bbl and \$/Rs=67 for the balance part of the financial year.

1. Selected Indicators of the Indian Economy

	Economic Indicators	Unit/Base	2012-13	2013-14	2014-15	2015-16 (P)
1	Population (as on 1st March 2011)	Billion	1.2	-	-	-
2	GDP at Factor Cost (Constant prices)	Growth %	5.1 (NS)	6.9 (NS)	7.4 (AE)	-
3	Agricultural Production (Food grains)	MMT	257.1	265.0 Final	252.7 4th AE	253.16 2nd AE
		Growth %	-0.8	3.1	-4.6	0.5*
4	Gross Fiscal Deficit	%	-4.9	-4.4	-4.0 (Prov)	-3.9 (BE)

	Economic Indicators	Unit/Base	2013-14	2014-15	January		April-January	
					2015	2016	2014-15	2015-16
5	Index of Industrial Production@	Growth %	-0.1	2.8	3.6	-1.3	2.6	3.1
6	Imports	$ Billion	450.2	448.0	32.3	28.7	383.9	324.5
7	Exports	$ Billion	314.4	310.4	24.4	21.1	264.3	217.7
8	Trade Balance	$ Billion	-135.8	-137.6	-7.9	-7.6	-119.6	-106.8
9	Foreign Exchange Reserves	$ Billion	303.7	341.4	327.9	349.2	-	-

* Compared to first AE of 2014-15

@ IIP is for the month of December 2015 ; NS-New Series; PE-Provisional Estimates ; AE-Advanced Estimates; RE-Revised Estimates; BE-Budget Estimates

2. Import Dependency									
Petroleum & Natural Gas Sector		**Unit/ Base**	**2013-14**	**2014-15**	**January**		**April-January**	
					2015	**2016(P)**	**2014-15**	**2015-16(P)**
1	Crude Oil Production In India	MMT	37.8	37.5	3.2	3.0	31.4	31.0
2	Consumption of Petroleum Products	MMT	158.4	165.5	13.9	15.7	136.6	150.1
3	Production of Petroleum Products	MMT	220.3	220.7	19.0	20.4	184.1	190.3
4	Imports & Exports:							
Crude Oil Imports		MMT	189.2	189.4	17.7	18.0	160.0	167.3
		$ Billion	143.0	112.7	6.0	3.6	101.8	56.3
Petroleum Products (POL) Imports		MMT	16.7	21.3	1.7	2.4	17.3	23.5
		$ Billion	12.3	12.1	0.7	0.8	10.5	8.7
Gross Petroleum Imports (Crude + POL)		MMT	206.0	210.7	19.4	20.4	177.2	190.8
		$ Billion	155.2	124.9	6.7	4.4	112.3	65.0
Petroleum Products Exports		MMT	67.9	63.9	5.2	5.6	54.3	49.4
		$ Billion	60.7	47.3	2.4	1.8	42.1	23.2
5	Petroleum Imports as % of India's Gross Imports	%	34.5	27.9	20.7	15.3	29.3	20.0
6	Petroleum Exports as % of India's Gross Exports	%	19.3	15.2	9.8	8.5	15.9	10.7
7	Import Dependency (On Consumption)	%	77.6%	78.5%	77.7%	81.3%	78.2%	80.3%

3. Indigenous Crude Oil Production (Million Metric Tonne)

Details	2013-14	2014-15	January			April-January		
			2015 (Actual)	2016 (Target)*	2016 (P)	2014-15 (Actual)	2015-16 (Target)*	2015-16 (P)
ONGC	19.2	18.6	1.6	2.0	1.5	15.6	18.9	15.5
Oil India Limited (OIL)	3.5	3.4	0.3	0.3	0.3	2.9	3.0	2.7
Private / Joint Ventures (JVs)	12.0	11.7	1.0	0.9	0.9	9.8	9.0	9.5
Total Crude Oil	**34.7**	**33.8**	**2.9**	**3.2**	**2.8**	**28.3**	**30.8**	**27.8**
Condensate	3.1	3.7	0.3		0.3	3.0		3.2
Total (Crude + Condensate) (MMT)	**37.8**	**37.5**	**3.2**	**3.2**	**3.0**	**31.4**	**30.8**	**31.0**
Total (Crude + Condensate) (Million Bbl)	277.0	274.7	23.4	23.3	22.3	229.9	226.0	227.1

*Target is inclusive of condensate. Note: Some sub-totals/totals may not add-up due to rounding off at individual levels

4. Domestic Oil & Gas Production vis a vis Overseas Production

Year	2013-14	2014-15	January		April-January	
			2015	2016 (P)	2014-15	2015-16(P)
Total Domestic (MMTOE)	73.2	71.2	6.1	5.4	59.7	58.1
Overseas production (MMTOE)	8.78	9.61	0.87	0.84	7.95	8.12
Overseas Production as % of Domestic	12.0%	13.5%	14.3%	15.4%	13.3%	14.0%

5. High Sulphur (HS) & Low Sulphur (LS) Crude Oil Processing (MMT)

	Type of crude	2013-14	2014-15	January		April-January	
				2015	2016 (P)	2014-15	2015-16(P)
1	High Sulphur Crude	160.2	161.4	14.6	15.1	134.8	136.1
2	Low Sulphur Crude	62.2	61.9	5.1	5.5	51.6	55.1
Total Crude		**222.5**	**223.3**	**19.7**	**20.6**	**186.4**	**191.2**
Share of HS Crude processing of total		**72.0%**	**72.3%**	**74.0%**	**73.1%**	**72.3%**	**71.2%**

6. Quantity and Value of Crude oil imports			
Petroleum & Natural Gas Sector	**Quantity (MMT)**	**$ Million**	**Rs. Crore**
2014-15 (Actuals)	189.43	1,12,744	6,87,416
2015-16 (Estimated)	188.23	61,677	4,00,949

* Note: April-January 2016 imports are based on actuals and for February 2016 to March 2016, the imports are estimated at $35/bbl and Rs. 67/$:

Impact of variation in Crude oil price & Exchange rate on Crude oil imports for February 2016 - March 2016:

If Crude prices increased by One $/bbl - Net Import bill increases by Rs. 1,035 crores ($ 0.16 bn)

If Exchange rate of $ increases by Rs. 1/$ - Net Import bill increases by Rs.541 crores ($ 0.08 bn)

7. Self Sufficiency in Petroleum Products (Million Metric Tonnes)						
Details	**2013-14**	**2014-15**	**January**		**April-January**	
			2015	**2016 (P)**	**2014-15**	**2015-16 (P)**
1. Indigenous Crude Oil Processing :	33.9	34.2	3.0	2.9	28.7	28.6
a) Products from Indigenous Crude *(93.3% of crude oil processed)*	31.6	32.0	2.8	2.7	26.7	26.7
b) Products from Fractionators (Including LPG and Gas)	3.9	3.7	0.3	0.2	3.1	2.8
2. Total Production from Indigenous Crude & Condensate **(a + b)**	35.5	35.6	3.1	2.9	29.8	29.5
3. Total Domestic Consumption	158.4	165.5	13.9	15.7	136.6	150.1
% Self Sufficiency (2 / 3)	**22.4%**	**21.5%**	**22.3%**	**18.7%**	**21.8%**	**19.7%**

8. Refineries: Installed Capacity and Crude Oil Processing (MMTPA / MMT)										
Com-pany	**Refinery**	**Installed Capacity** (1.4.2015)	**Crude Oil Processing**							
			2013-14	**2014-15**	**January**			**April-January**		
					2015 (Actual)	**2016 (Target)**	**2016 (P)**	**2014-15 (Actual)**	**2015-16 (Target)**	**2015-16 (P)**
IOCL	Barauni (1964)	6.0	6.5	5.9	0.5	0.5	0.6	5.0	5.3	5.5
	Koyali (1965)	13.7	13.0	13.3	1.2	1.2	1.2	11.2	10.9	11.4
	Haldia (1975)	7.5	8.0	7.7	0.6	0.7	0.7	6.4	6.5	6.5
	Mathura (1982)	8.0	6.6	8.5	0.7	0.7	0.8	7.0	7.0	7.3
	Panipat (1998)	15.0	15.1	14.2	1.3	1.3	1.4	11.7	12.7	12.6
	Guwahati (1962)	1.0	1.0	1.0	0.08	0.07	0.04	0.8	0.8	0.8
	Digboi (1901)	0.7	0.7	0.6	0.06	0.06	0.04	0.5	0.5	0.5
	Bongaigaon(1979)	2.4	2.3	2.4	0.2	0.2	0.2	2.0	2.0	2.0
	IOCL TOTAL	**54.2**	**53.1**	**53.6**	**4.6**	**4.8**	**4.9**	**44.7**	**45.7**	**46.6**
HPCL	Mumbai (1954)	6.5	7.7	7.4	0.7	0.6	0.7	6.1	5.9	6.5
	Visakh (1957)	8.3	7.8	8.8	0.8	0.8	0.9	7.2	7.5	7.6
HMEL	Bathinda (2012)	9.0	9.3	7.3	0.7	0.8	0.8	5.9	7.5	9.1
	HPCL-TOTAL	**23.8**	**24.8**	**23.5**	**2.3**	**2.2**	**2.4**	**19.2**	**20.9**	**23.2**
BPCL	Mumbai (1955)	12.0	12.7	12.8	1.2	1.1	1.1	10.6	10.8	11.1
	Kochi (1966)	9.5	10.3	10.4	0.9	0.9	0.9	8.6	8.6	8.9
BORL	Bina (2011)	6.0	5.4	6.2	0.6	0.5	0.6	5.2	4.2	5.3
	BPCL-TOTAL	**27.5**	**28.4**	**29.4**	**2.7**	**2.5**	**2.7**	**24.4**	**23.6**	**25.3**

Com-pany	Refinery	Installed Capacity (1.4.2015)	Crude Oil Processing								
			2013-14	2014-15	January			April-January		
					2015 (Actual)	2016 (Target)	2016 (P)	2014-15 (Actual)	2015-16 (Target)	2015-16 (P)
CPCL	Manali (1969)	10.5	10.1	10.2	0.9	0.9	0.9	8.6	8.5	7.3
	CBR (1993)	1.0	0.6	0.5	0.04	0.04	0.06	0.5	0.4	0.4
	CPCL-TOTAL	**11.5**	**10.6**	**10.8**	**0.9**	**0.9**	**0.9**	**9.0**	**9.0**	**7.8**
NRL	Numaligarh (1999)	3.0	2.6	2.8	0.2	0.2	0.2	2.4	2.2	2.1
ONGC	Tatipaka (2001)	0.1	0.07	0.05	0.003	0.005	0.007	0.04	0.05	0.05
MRPL	Mangalore (1996)	15.0	14.6	14.6	1.4	1.5	1.6	12.0	12.5	12.7
	ONGC TOTAL	**15.1**	**14.7**	**14.7**	**1.4**	**1.5**	**1.6**	**12.0**	**12.6**	**12.7**
RIL**	Jamnagar (DTA) (1999)	33.0	30.3	30.9	2.8	2.8	2.8	26.4	26.4	27.0
	Jamnagar (SEZ) (2008)	27.0	37.7	37.2	3.0	3.0	3.3	31.2	31.1	30.9
EOL	Vadinar (2006)	20.0	20.2	20.5	1.8	1.7	1.8	17.1	15.4	15.7
All India		**215.1**	**222.5**	**223.3**	**19.7**	**19.8**	**20.6**	**186.4**	**187.0**	**191.2**

*** RIL target for 2015-16 is previous year crude processing.* Note: Some sub-totals/totals may not add up due to rounding off at individual levels

9. Major Crude and Product Pipeline network

		ONGC*	OIL	Cairn	HMEL	IOCL	BPCL	HPCL	Other	Total
Crude Oil	Length (KM)	1,214	1,193	670	1,017	4,448	937	-	-	**9,479**
(as on 1.4.2015)	Cap (MMTPA)	60.06	8.4	8.7	9	40.4	6	-	-	**132.56**
Products	Length (KM)	-	654	-	-	6,633	1,935	2,514	2,687	**14,423**
(as on 1.4.2015)	Cap (MMTPA)	-	1.7	-	-	40.09	14.94	23.57	9.27	**89.57**

***Other** includes GAIL and Petronet India ; * 94 KM of ONGC's crude pipeline is either "not in use" or in "standby" and is not included above.*

10. Gross Refining Margins (GRM) of Refineries ($/bbl)					
Company	**Refinery**	**2012-13**	**2013-14**	**2014-15**	**April-Dec, 2015**
IOCL	Barauni	2.40	6.68	-1.20	4.33
	Koyali	4.61	4.52	4.79	7.36
	Haldia	0.85	2.84	-1.51	4.53
	Mathura	0.55	2.10	-2.19	4.23
	Panipat	3.34	3.62	-1.97	4.84
	Guwahati	9.52	6.38	8.68	15.60
	Digboi	20.81	15.41	13.73	15.55
	Bongaigaon	5.26	6.71	-0.26	11.10
	Average	**3.16**	**4.24**	**0.27**	**5.83**
BPCL	Kochi	5.36	4.80	3.17	7.17
	Mumbai	4.67	3.95	3.97	6.30
	Average	**4.97**	**4.33**	**3.62**	**6.69**
HPCL	Mumbai	2.08	5.38	4.88	7.46
	Visakhapatnam	2.08	1.50	1.12	5.40
	Average	**2.08**	**3.43**	**2.84**	**6.35**
CPCL	Chennai	0.99	4.08	1.97	5.36
MRPL	Mangalore	2.45	2.67	-0.64	3.97
NRL	Numaligarh	10.52	12.09	16.67	23.66
BORL	Bina	7.00	7.70	6.10	12.70
RIL	Jamnagar	9.20	8.10	8.60	10.80
Essar	Vadinar	7.96	7.98	8.37	10.45

11. GRM of North East Refineries excluding Excise Duty Benefit ($/bbl)					
Company	**Refinery**	**2012-13**	**2013-14**	**2014-15**	**April-Dec, 2015**
IOCL	Guwahati	3.43	0.88	0.96	1.37
	Digboi	13.25	8.50	5.42	4.20
	Bongaigaon	0.25	2.34	-6.51	1.68
NRL	Numaligarh	4.86	6.98	9.46	9.63

12. Production and Consumption of Petroleum Products (Million Metric Tonnes)										
Products	**April-March 2014-15**		**January 2015**		**January 2016 (P)**		**April-January 2014-15**		**April-January 2015-16 (P)**	
	Production	**Consumption**	**Production**	**Consumption**	**Production**	**Consumption**	**Production**	**Consumption**	**Production**	**Consumption**
LPG	9.8	18.0	1.0	1.6	1.0	1.7	8.1	14.9	8.6	16.0
MS	32.2	19.1	2.8	1.6	3.1	1.8	27.0	15.8	29.1	18.0
NAPHTHA	17.5	11.1	1.4	0.9	1.6	1.1	14.6	8.9	14.5	11.0
ATF	11.1	5.7	1.0	0.5	1.2	0.5	9.1	4.8	9.4	5.1
SKO	7.6	7.1	0.6	0.6	0.6	0.6	6.4	5.9	6.3	5.7
HSD	94.3	69.4	8.2	5.8	8.5	6.3	79.0	57.7	81.3	61.4
LDO	0.4	0.4	0.04	0.04	0.04	0.03	0.3	0.3	0.3	0.3
LUBES	0.9	3.3	0.09	0.2	0.09	0.3	0.7	2.7	0.8	2.6
FO/LSHS	12.2	6.0	1.0	0.5	0.8	0.6	10.3	4.9	9.1	5.3
BITUMEN	4.7	5.1	0.4	0.4	0.5	0.5	3.7	3.9	4.0	4.4
OTHERS	30.0	20.4	2.5	1.7	2.9	2.3	24.8	16.8	26.8	20.2
ALL INDIA	**220.7**	**165.5**	**19.0**	**13.9**	**20.4**	**15.7**	**184.1**	**136.6**	**190.3**	**150.1**
Growth (%)	**0.2%**	**4.5%**	**3.1%**	**3.1%**	**7.1%**	**12.7%**	**0.5%**	**4.1%**	**3.4%**	**9.9%**

13. LPG Consumption (Thousand Metric Tonne)								
LPG Category	2013-14	2014-15	January			April-January		
			2015	2016 (P)	Gr (%)	2014-15	2015-16 (P)	Gr (%)
1. PSU Sales :								
LPG-Packed Domestic	14,411.6	16,040.4	1,421.3	1,493.2	5.1	13,300.0	14,053.0	5.7
LPG-Packed Non-Domestic	1,073.6	1,051.0	103.6	128.2	23.8	834.5	1,186.4	42.2
LPG-Bulk	245.7	315.7	22.3	18.3	-18.0	257.1	258.1	0.4
Auto LPG	194.3	163.8	15.1	14.6	-3.4	134.7	142.0	5.4
Sub-Total (PSU Sales)	**15,925.2**	**17,570.9**	**1,562.3**	**1,654.3**	**5.9**	**14,526.4**	**15,639.4**	**7.7**
2. Direct Private Imports*	368.5	429.2	54.5	33.8	-38.1	369.3	337.6	-8.6
Total (1+2)	**16,293.6**	**18,000.0**	**1,616.8**	**1,688.1**	**4.4**	**14,895.7**	**15,977.0**	**7.3**

Note: April-November 2015 data as per DGCIS. December 2015-January 2016 data is prorated on the basis of 2015-16 (April-November) data

14. Industry Marketing Infrastructure (as on 31.3.2015) (Provisional)								
Particulars	IOCL	BPCL	HPCL	RIL	ESSAR	SHELL	Others	Total
Terminal/ Depots **(Nos.)**	136	83	105	5	1	0	6	**336**
Aviation Fuel Stations **(Nos.)**	98	40	35	27	3	0	1	**204**
Retail Outlets (total) **(Nos.)**	24,405	12,809	13,233	1,400	1,491	76	4	**53,418**
LPG Distributors (total) **(Nos.)** **(PSU only)**	7,934	4,044	3,952	0	0	0	0	**15,930**
SKO/LDO Agencies **(Nos.)**	3,919	1,001	1,638	0	0	0	0	**6,558**
LPG Bottling Plants **(Nos.)** **(PSU only)**	91	50	45	0	0	0	1	**187**
LPG Bottling capacity **(TMTPA)** **(PSU only)**	7,812	3,165	3,057	0	0	0	10	**14,044**
Rural ROs **(Nos.)**	6,230	2,184	2,664	108	385	9	0	**11,580**
RGGLVY **(Nos.)**	2,096	1,182	1,164	0	0	0	0	**4,442**
LPG Consumers **(Nos. crore)** **(PSU only)**	8.88	4.58	4.73	0	0	0	0	**18.19**

15. Natural Gas at a Glance

(MMSCM)

	2013-14	2014-15 (P)	January 2015 (Actual)	January 2016 (Target)	January 2016 (P)	April-January 2014-15 (Actual)	April-January 2015-16 (Target)	April-January 2015-16 (P)
Gross Production	35,407	33,657	2,888	3,026	2,447	28,286	29,389	27,145
Net Production (Excluding Flare Gas)	34,574	32,693	2,804		2,364	27,497		26,199
LNG Import	17,728	18,536	1,519		1,927	16,199		17,776
Total Consumption including Internal consumption (Net Production + Import)	52,302	51,230	4,323		4,291	43,696		43,975
Total Consumption (in BCM)	52.30	51.23	4.32		4.29	43.70		43.98

16. Coal Bed Methane (CBM) Gas development in India

Prognosticated CBM Resources	92	TCF
Established CBM resources	9.9	TCF
Total available Coal bearing area	26,000	Sq. KM
Exploration Initiated	17,200	Sq. KM
Blocks Awarded	33	Nos.
Commercial production of CBM gas (January, 2016)	**33.196**	**MMSCM**

17. Major Natural Gas Pipeline network

Nature of Pipeline		GAIL	Reliance	GSPCL	AGC	IOCL	ONGC	Total
Natural Gas (as on 1.10.2015)	Length (KM)	11,077	1,469	2,355	1,000	140	24	**16,065**
	Cap (MMSCMD)	206	80	43	6	9.5	6	**350.50**

18. Gas Pipelines under execution / construction as on 30.9.2015

Network/ Region	Entity	Length (KM)	Design Cap. (mmscmd)	Pipeline Size
Kochi-Kottanad-Bengaluru-Mangalore	GAIL (India) Ltd	1,063	16	30"/24"/18"/8"/4"
Dabhol - Bengaluru (DBPL)	GAIL (India) Ltd	315	16	8"/4"
Surat - Paradip	GAIL (India) Ltd	2,112	76.81	36"/24"/18"
Jagdishpur- Haldia	GAIL (India) Ltd	1,860	32	30"/24"/18"/12"/8" /4"
Mallavaram – Bhopal - Bhilwara	GSPC India Transco Ltd	2,042	78.25	42"/36"/30"/24"/18 "/12"
Mehsana - Bathinda	GSPC India Gasnet Ltd	2,052	77.11	36"/24"/18"/12"
Bathinda - Jammu - Srinagar	GSPC India Gasnet Ltd	725	42.42	24"/18"/16"/12"/8" /6"
Kakinada - Vizag - Srikakulam	AP Gas Distribution Co.	391	90	24"/18"/8"/4"
Shahdol - Phulpur	Reliance Gas Pipelines Ltd	312	3.5	16"
Ennore - Nellore	Gas Transmission India Pvt. Ltd	430	36	24"/12"/8"
Total		**11,302**		

19. Existing and upcoming LNG Terminals as on 30.9.2015

Existing/ Upcoming Terminals	Promoters	Capacity (MMTPA)	Expected Timelines	Capacity Utilisation in % in 2015-16 (April-September)
Dahej	Petronet LNG Ltd (PLL)	Existing 10 MMTPA to be increased to 15 MMTPA by 2016	Existing	108.90
Hazira	Hazira LNG Pvt Ltd (HLPL)	5 MMTPA	Existing	67
Dabhol	RGPPL (GAIL - NTPC JV)	1.24 MMTPA in phase-1 without break water to be increased to 5 MMTPA	Existing	75
Kochi	Petronet LNG Ltd (PLL)	5 MMTPA	Existing	3.41
Kakinada East Godavari (FSRU)	GAIL + AP Govt. (JV) Proposed	3.5 MMTPA	-	-
Ennore	IOCL	5 MMTPA in phase 1 to be increased to 10 MMTPA	-	-
Mangalore	ONGC + BPCL	2.5 MMTPA	-	-
Dhamra	Dhamra LNG Terminal Pvt. Ltd	5 MMTPA	-	-

20. Status of PNG connections and CNG stations across India (Nos.)				
State	**Entity Operating**	**Geographical Region**	**CNG Stations**	**PNG Connections**
			(as on 30.9.2015)	**(as on 1.1.2016)**
Haryana	Haryana City Gas, Adani Gas Limited, Gail Gas Ltd.	Sonepat, Faridabad, Gurgaon	20	27,678
Andhra Pradesh, Telangana	Bhagyanagar Gas Ltd	Kakinada, Hyderabad, Vijaywada, Rajamundry	32	3,938
Assam	Assam Gas Co. Ltd	Tinsukia, Dibrugarh, Sibsagar, Jorhat, Golaghat	0	29,076
Gujarat	Sabarmati Gas Ltd, Gujarat Gas Ltd, Adani Energy Ltd , Vadodara Gas Ltd, Hindustan Petroleum Corporation Ltd, Charotar Gas Sahakari Mandal Ltd	Gandhinagar, Mehsana, Sabarkantha, Nadiad, Halol, Hazira, Rajkot, Khambhat, Palej, Valsad, Navsari, Surendernagar, Vadodara, Ahmedabad, Surat, Ankleshwar, Bhavnagar, Anand	361	14,61,118
Madhya Pradesh	Avantika Gas Ltd, GAIL Gas Ltd	Dewas, Vijaipur, Indore including Ujjain, Gwalior	21	5,377
New Delhi	Indraprastha Gas Ltd	National Capital Territory of Delhi (Including Noida & Ghaziabad)	324	6,13,888
Rajasthan	GAIL Gas Ltd	Kota	3	189

State	Entity Operating	Geographical Region	CNG Stations	PNG Connections
			(as on 30.9.2015)	(as on 1.1.2016)
Maharashtra	Mahanagar Gas Ltd, Maharashtra Natural Gas Ltd, GAIL Gas Ltd	Thane & adjoining contiguous areas including Mira Bhayender, Navi Mumbai, Thane City, Ambernath, Bhiwandi, Kalyan, Dombivily, Badlapur, Ulhasnagar, Panvel, Kharghar & Taloja, Pune City including Pimpri Chinchwad and along with adjoining contiguous areas of Chakan, Hinjewadi & Talegaon GA, Panvel	212	8,68,744
Tripura	Tripura Natural Gas Co. Ltd	Agartala	5	20,870
West Bengal	Great Eastern Energy Corporation Ltd	Kolkata	7	0
Uttar Pradesh	GAIL Gas Ltd, Sanwariya Gas, Green Gas, Central U.P. Gas, Siti Energy Ltd	Meerut, Mathura, Agra, Kanpur, Bareilly, Lucknow, Moradabad, Ferozabad	41	30,055
		Total	**1026**	**30,60,933**

21. Information on Prices, Taxes and Under-recoveries

International Prices/ Exchange rates ($/bbl)

	2013-14	2014-15	Apr-Jan'16
Crude (Indian Basket)	105.52	84.16	48.65
Petrol	114.31	95.45	64.87
Diesel	119.41	96.64	57.93
Kerosene	118.80	96.98	58.30
LPG ($/MT)	880.49	683.87	412.35
FO ($/MT)	595.79	471.99	251.74
Naphtha ($/MT)	881.30	717.44	439.81
Exchange (Rs./$)	60.50	61.15	65.03

Customs & Excise Duty rates (w.e.f. 31.1.2016)

	Basic Customs duty	Excise duty
Petrol	2.50%	Rs. 21.48/Litre
Diesel	2.50%	Rs. 17.33/Litre
PDS SKO	Nil	NIL
Non-PDS SKO	5%	14%
Sub. Dom LPG	NIL	NIL
Non Domestic LPG	5%	8%
Furnace Oil(Non-Fert)	5%	14%
Naphtha(Non-Fert)	5%	14%
ATF	NIL	8%
Crude Oil	NIL+Rs.50/ -MT as NCCD	NIL+Rs.4,500/MT Cess+Rs.50/-MT NCCD

Price buildup of Petroleum products (Rs./litre/Cylinder)

	Petrol	Diesel
Price before taxes and dealer comm.	22.85	18.75
Central taxes	21.85	17.67
State taxes	12.68	7.11
Dealer comm.	2.25	1.43
Retail Selling Price	59.63	44.96

	PDS SKO*	Sub. Dom LPG
Price before taxes and dealer commission	13.56	529.19
Central taxes	0	0
State taxes	0.44	0
Dealer commission	1.24	46.05
Retail Selling Price	15.24	575.00
Less cash compensation (CC) under DBTL		108.12
CC by OMCs towards uncompensated cost		47.66
Effective cost to consumer after subsidy		419.22

* SKO at Mumbai as on 1stF Feb., 2016. Petrol and diesel at Delhi as on 18th Feb. 2016 and LPG as on 1st Feb. 2016 at Delhi.

Change in Ex. Rate/ Crude price : Impact on Under-recoveries

(Rs. Crores)	Rs.1/$ Ex. Rate	$1/bbl Crude
Impact on Under-recovery	850	1,970

21. Information on Prices, Taxes and Under-recoveries

Under-recoveries & Burden Sharing

	2013-14	2014-15	Apr-Dec`15
Per unit under-recovery (Rs./litre/Cylinder)			
Diesel	8.39	2.70^	Deregulated
PDS SKO	33.98	27.93	15.54
Sub. Dom LPG	499.52	409.72	*153.62
Total Under-recoveries including DBTL (Rs. Crores)			
Diesel	62,837	10,935^	Deregulated
PDS SKO	30,574	24,799	9,993
Sub. Dom LPG#	50,327	40,551	12,092
Total	143,738	76,285	22,085

Burden Sharing (Rs. Crores)

	2013-14	2014-15	Apr-Dec`15
Government	74,610	31,279	18,232**
Upstream	67,021	42,822	1,980
OMCs	2,107	2,184	1,873

Fiscal Subsidy under Govt. Schemes (Rs. Crores)

PDS SKO	681	Scheme was extended till 31.3.2015
Sub. Dom LPG	1,920	

***Average of DBTL and under-recovery towards non-DBTL; #Includes subsidy under DBTL (2013-14: Rs.3,869 crore, 2014-15: Rs.3,971 crore, Apr-Dec' 2015: Rs.12,084 crore; ** Govt. compensation pending disbursement: Rs.4,942 crore; ^up to 18.10.2014 only.**

Subsidy as a % of GDP

	2011-12	2012-13	2013-14
Petroleum Subsidy	1.70	1.75	1.37

Sales & profit of Petroleum Sector (Rs. Crores)

April-Dec 2015	Turnover	PAT
Upstream Companies(PSU)	109,009	14,977
Downstream Companies(PSU)	551,410	16,356
Standalone Refineries(PSU)	58,041	1,228
Private (RIL&EOL)	271,763	21,860

Borrowings of OMCs (Rs. Crores)

	2013-14	2014-15	Apr-Dec`15
IOCL	86,263	55,248	49,121
BPCL	20,322	13,098	16,686
HPCL	32,164	20,335	19,969

Petroleum Sector Contribution to Central/State Govt.

	2013-14	2014-15	Apr-Sep'15
Central Government	152,900	172,066	105,744
% to total Revenue receipt	15%	15%	NA
State Governments	152,460	160,554	79,205
% to total Revenue receipt	10%	9%	NA
Total (Rs. Crores)	**305,360**	**332,620**	**184,949**

22. Conversion Factors and Volume Conversion

Weight to Volume Conversion

Product	Weight (MT)	Volume (KL)	Barrel (bbl)
LPG	1	1.8440	11.60
Petrol (MS)	1	1.4110	8.50
Diesel (HSD)	1	1.2100	7.45
Kerosene (SKO)	1	1.2850	7.90
ATF	1	1.2880	8.10
Light Diesel Oil (LDO)	1	1.1720	7.37
Furnace Oil (FO)	1	1.0710	6.74
Crude Oil	1	1.1700	7.33

Volume Conversion

From	To
1 US Barrel (bbl)	159 litres
1 US Barrel (bbl)	42 US Gallons
1 US Gallon	3.78 litres
1 Kilo litre (KL)	6.29 bbl
1 million barrels per day	49.8 MMTPA

Energy Conversion

1 Kilocalorie (kcal)	4.187 kJ
1 Kilocalorie (kcal)	3.968 Btu
1 Kilowatt-hour (kWh)	860 kcal
1 Kilowatt-hour (kWh)	3412 Btu

Exclusive Economic Zone

200 Nautical Miles	370.4 Kilometers

Natural Gas Conversions

1 Standard Cubic Metre	35.31 Cubic Feet	1 MMBTU	25.2 SCM @10000 kcal/SCM
1 BCM/year of Gas	2.74 MMSCMD	GCV (Gross Calorific Value	10000 kcal/SCM
1 TCF of Gas Reserve	3.88 MMSCMD	NCV (Net Calorific Value)	90% of GCV
1 MMTPA of LNG	3.60 MMSCMD	Gas required for 1 MW power generation	4541 SCM/day
1 MT of LNG	1314 SCM	Power generation from 1 MMSCMD of gas	220 MW