Ready Reckoner

Snapshot of India's Oil & Gas data

February, 2016

Analysis • Knowledge • Information

Petroleum Planning & Analysis Cell

(Ministry of Petroleum & Natural Gas)

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Highlights

- Indigenous crude oil production during February, 2016 was marginally more at 0.7% (19 TMT) than that of February, 2015. On cumulative basis, the production was 1.1% (364 TMT) less than the April 2014 to February 2015 period.

- Production of petroleum products during February, 2016 saw a growth of 8.61% (1,516 TMT) over the corresponding month of the previous year. On cumulative basis during the period April 2015 to February 2016, there was a growth of 3.8% (7,697 TMT) in production as compared to the same period in the previous year.

- Except for IOCL's Haldia refinery CDU-1/VDU-1 units shutdown for 10 days starting from 27.2.2016 and MRPL's DHDT unit issues, there were no reported planned and unplanned shutdown of refinery units during February, 2016. This resulted in 106.8% capacity utilization during the month. Total product availability during the month from refineries/fractionators was 19,137 TMT against POL production of 17,621 TMT as compared to February 2015.

- IOCL's Paradip refinery was dedicated to the nation on 7th February, 2016 by Hon'ble Prime Minister. The installed capacity of the refinery is 15 MMTPA.

- Export of POL products improved during February, 2016 by 21.2% (1,010 TMT) as compared to February, 2015. On cumulative basis, POL exports were lower by 6.5% (3,858 TMT) as compared to April 2014 to February 2015 period.

- Petroleum product consumption registered a growth of 11.7% during February, 2016 as compared to 11.0% growth during February, 2015. Except for Kerosene and LDO, all other products registered positive growth during February, 2016. During the period April 2015 to February 2016 petroleum product consumption registered a growth of 10.0% (15.2 MMT) as compared to the same period last year.

- Gross production of natural gas for the month of February, 2016 was 2,565 MMSCM which was higher by 1.2% compared with the corresponding month of the previous year (2,534 MMSCM). The cumulative gross production for the current year till February, 2016 was 29,710 MMSCM which was lower by 3.6% compared with the corresponding period of the previous year (30,819 MMSCM)

- LNG import during the month was 1,788 MMSCM which was 62.6% higher than the corresponding month of the previous year (1,100 MMSCM). The cumulative import 19,563 MMSCM for the current year till February, 2016 was higher by 13.1% compared with the corresponding period of the previous year (17,299 MMSCM).

- The prices of Brent crude averaged $32.48/bbl during February, 2016 as against $30.69/bbl during January, 2016. Similarly the Indian basket crude averaged $30.53/bbl during February, 2016 against $28.08/bbl during the previous month.

- With the continuing downward trend in crude prices, the import bill of crude oil is estimated to reduce by 43% from $113 billion in 2014-15 to $64 billion in 2015-16 considering Indian basket crude oil price of $ 36/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	-4.1 (Actuals)	-3.9 (RE)

	Economic Indicators	Unit/Base	2013-14	2014-15	February		April-February	
					2015	2016	2014-15	2015-16
5	Index of Industrial Production@	Growth %	-0.1	2.8	2.8	-1.5	2.7	2.7
6	Imports	$ Billion	450.2	448.0	28.7	27.3	412.6	351.8
7	Exports	$ Billion	314.4	310.4	22.0	20.7	286.3	238.4
8	Trade Balance	$ Billion	-135.8	-137.6	-6.7	-6.5	-126.3	-113.4
9	Foreign Exchange Reserves	$ Billion	303.7	341.4	341.4	346.8		

* 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

	Details	Unit/ Base	2013-14	2014-15	February		April-February	
					2015	2016(P)	2014-15	2015-16(P)
1	Crude Oil Production In India	MMT	37.8	37.5	2.9	2.9	34.2	33.9
2	Consumption of Petroleum Products	MMT	158.4	165.5	14.2	15.9	150.8	166.0
3	Production of Petroleum Products	MMT	220.3	220.7	17.6	19.1	201.7	209.4
4	Imports & Exports:							
	Crude Oil Imports	MMT	189.2	189.4	13.0	16.9	172.9	184.2
		$ Billion	143.0	112.7	4.8	3.3	106.6	59.6
	Petroleum Products (POL) Imports	MMT	16.7	21.3	1.8	2.1	19.1	25.6
		$ Billion	12.3	12.1	0.7	0.7	11.2	9.4
	Gross Petroleum Imports (Crude + POL)	MMT	206.0	210.7	14.8	19.0	192.0	209.8
		$ Billion	155.2	124.9	5.5	4.0	117.8	69.0
	Petroleum Products Exports	MMT	67.9	63.9	4.8	5.8	59.0	55.2
		$ Billion	60.7	47.3	2.6	1.8	44.7	25.1
5	Petroleum Imports as % of India's Gross Imports	%	34.5	27.9	19.2	14.7	28.6	19.6
6	Petroleum Exports as % of India's Gross Exports	%	19.3	15.2	11.8	8.7	15.6	10.5
7	Import Dependency (On Consumption)	%	77.6%	78.5%	80.4	83.1	78.4	80.6

Note : Some sub-totals/totals may not add up due to rounding off at individual levels.

3. Indigenous Crude Oil Production (Million Metric Tonne)

Details	2013-14	2014-15	February			April-February		
			2015 (Actual)	2016 (Target)*	2016 (P)	2014-15 (Actual)	2015-16 (Target)*	2015-16 (P)
ONGC	19.2	18.6	1.4	1.9	1.5	17.0	20.7	17.0
Oil India Limited (OIL)	3.5	3.4	0.3	0.3	0.2	3.1	3.3	3.0
Private / Joint Ventures (JVs)	12.0	11.7	0.9	0.9	0.9	10.8	9.8	10.4
Total Crude Oil	**34.7**	**33.8**	**2.6**	**3.0**	**2.6**	**30.9**	**33.8**	**30.3**
Condensate	3.1	3.7	0.3		0.3	3.3		3.5
Total (Crude + Condensate) (MMT)	**37.8**	**37.5**	**2.9**	**3.0**	**2.9**	**34.2**	**33.8**	**33.9**
Total (Crude + Condensate) (Million Bbl)	277.0	274.7	21.1	22.0	21.2	251.0	248.0	248.3

*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

Details	2013-14	2014-15	February		April-February	
			2015	2016 (P)	2014-15	2015-16(P)
Total Domestic (MMTOE)	73.2	71.2	5.4	5.5	65.0	63.6
Overseas production (MMTOE)	8.78	9.61	0.8	0.8	8.7	8.8
Overseas Production as % of Domestic	12.0%	13.5%	14.7%	14.6%	13.4%	13.8%

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

Type of crude		2013-14	2014-15	February		April-February	
				2015	2016 (P)	2014-15	2015-16(P)
1	High Sulphur Crude	160.2	161.4	12.6	13.7	147.3	149.8
2	Low Sulphur Crude	62.2	61.9	5.0	5.3	56.6	60.4
Total Crude		**222.5**	**223.3**	**17.6**	**19.0**	**204.0**	**210.2**
Share of HS Crude processing of total		**72.0%**	**72.3%**	**71.5%**	**72.0%**	**72.2%**	**71.3%**

6. Quantity and Value of Crude oil imports			
Year	**Quantity (MMT)**	**$ Million**	**Rs. Crore**
2014-15 (Actuals)	189.43	1,12,744	6,87,416
2015-16 (Estimated)	201.68	64,248	4,18,563

* Note: April-February 2016 imports are based on actuals and for March 2016, the imports are estimated at $36/bbl and Rs. 67/$:

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

If Crude prices increased by One $/bbl - Net Import bill increases by Rs. 863 crores ($ 0.13 bn)

If Exchange rate of $ increases by Rs. 1/$ - Net Import bill increases by Rs.464 crores ($ 0.07 bn)

7. Self Sufficiency in Petroleum Products (Million Metric Tonnes)						
Details	**2013-14**	**2014-15**	**February**		**April-February**	
			2015	**2016 (P)**	**2014-15**	**2015-16 (P)**
1. Indigenous Crude Oil Processing :	33.9	34.2	2.7	2.6	31.4	31.2
a) Products from Indigenous Crude *(93.3% of crude oil processed)*	31.6	32.0	2.5	2.4	29.3	29.1
b) Products from Fractionators (Including LPG and Gas)	3.9	3.7	0.3	0.3	3.4	3.1
2. Total Production from Indigenous Crude & Condensate **(a + b)**	35.5	35.6	2.8	2.7	32.6	32.2
3. Total Domestic Consumption	158.4	165.5	14.2	15.9	150.8	166.0
% Self Sufficiency (2 / 3)	**22.4%**	**21.5%**	**19.6%**	**16.9%**	**21.6%**	**19.4%**

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	February			April-February		
					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	0.5	5.4	5.8	6.0
	Koyali (1965)	13.7	13.0	13.3	1.0	1.1	1.2	12.3	12.1	12.6
	Haldia (1975)	7.5	8.0	7.7	0.6	0.6	0.6	7.0	7.1	7.1
	Mathura (1982)	8.0	6.6	8.5	0.6	0.7	0.7	7.7	7.7	8.0
	Panipat (1998)	15.0	15.1	14.2	1.1	1.2	1.3	12.9	13.9	13.9
	Guwahati (1962)	1.0	1.0	1.0	0.07	0.08	0.04	0.9	0.9	0.8
	Digboi (1901)	0.7	0.7	0.6	0.05	0.05	0.04	0.6	0.6	0.5
	Bongaigaon(1979)	2.4	2.3	2.4	0.2	0.2	0.2	2.2	2.1	2.2
	Paradip (2016)	15.0 *	-	-	-	-	**	-	-	N.A.
	IOCL TOTAL	**69.2**	**53.1**	**53.6**	**4.2**	**4.4**	**4.6**	**48.9**	**50.2**	**51.2**
HPCL	Mumbai (1954)	6.5	7.7	7.4	0.6	0.6	0.7	6.7	6.5	7.2
	Visakh (1957)	8.3	7.8	8.8	0.7	0.8	0.8	7.9	8.3	8.4
HMEL	Bathinda (2012)	9.0	9.3	7.3	0.5	0.7	0.7	6.4	8.2	9.8
	HPCL-TOTAL	**23.8**	**24.8**	**23.5**	**1.9**	**2.1**	**2.2**	**21.1**	**23.0**	**25.4**
BPCL	Mumbai (1955)	12.0	12.7	12.8	1.0	1.0	1.1	11.6	11.8	12.2
	Kochi (1966)	9.5	10.3	10.4	0.8	0.8	0.9	9.4	9.4	9.8
BORL	Bina (2011)	6.0	5.4	6.2	0.5	0.5	0.5	5.7	4.7	5.8
	BPCL-TOTAL	**27.5**	**28.4**	**29.4**	**2.3**	**2.3**	**2.5**	**26.8**	**25.9**	**27.7**

** - Capacity as on 1.3.2016 ; ** – During February 2016 approx. 0.5 MMT of crude oil was processed with approx.. 0.3 MMT POL production. ; N.A. – Not available*

Com-pany	Refinery	Installed Capacity (1.4.2015)	Crude Oil Processing								
			2013-14	2014-15	February			April-February		
					2015 (Actual)	2016 (Target)	2016 (P)	2014-15 (Actual)	2015-16 (Target)	2015-16 (P)
CPCL	Manali (1969)	10.5	10.1	10.2	0.8	0.8	0.9	9.4	9.4	8.2
	CBR (1993)	1.0	0.6	0.5	0.04	0.04	0.05	0.5	0.5	0.5
	CPCL-TOTAL	**11.5**	**10.6**	**10.8**	**0.8**	**0.9**	**0.9**	**9.8**	**9.9**	**8.7**
NRL	Numaligarh (1999)	3.0	2.6	2.8	0.2	0.2	0.2	2.6	2.5	2.3
ONGC	Tatipaka (2001)	0.1	0.07	0.05	0.004	0.005	0.007	0.05	0.06	0.06
MRPL	Mangalore (1996)	15.0	14.6	14.6	1.2	1.3	1.3	13.1	13.8	14.0
	ONGC TOTAL	**15.1**	**14.7**	**14.7**	**1.2**	**1.3**	**1.3**	**13.2**	**13.9**	**14.1**
RIL**	Jamnagar (DTA) (1999)	33.0	30.3	30.9	2.5	2.5	2.6	28.9	28.9	29.6
	Jamnagar (SEZ) (2008)	27.0	37.7	37.2	2.8	2.8	3.0	34.0	34.0	33.9
EOL	Vadinar (2006)	20.0	20.2	20.5	1.6	1.7	1.7	18.7	17.1	17.3
All India		**230.1**	**222.5**	**223.3**	**17.6**	**18.3**	**19.0**	**204.0**	**205.3**	**210.2**

*** 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**		**February 2015**		**February 2016 (P)**		**April-February 2014-15**		**April-February 2015-16 (P)**	
	Production	**Consumption**	**Production**	**Consumption**	**Production**	**Consumption**	**Production**	**Consumption**	**Production**	**Consumption**
LPG	9.8	18.0	0.8	1.5	0.9	1.7	8.9	16.4	9.6	17.7
MS	32.2	19.1	2.6	1.6	3.0	1.8	29.7	17.4	32.1	19.8
NAPHTHA	17.5	11.1	1.3	1.0	1.4	1.1	15.9	9.9	16.0	12.1
ATF	11.1	5.7	1.0	0.5	1.1	0.5	10.1	5.2	10.5	5.7
SKO	7.6	7.1	0.6	0.6	0.6	0.6	7.0	6.5	6.8	6.3
HSD	94.3	69.4	7.3	5.8	7.8	6.4	86.3	63.5	89.2	67.9
LDO	0.4	0.4	0.03	0.03	0.03	0.03	0.3	0.3	0.4	0.4
LUBES	0.9	3.3	0.08	0.3	0.09	0.3	0.8	2.9	0.9	2.9
FO/LSHS	12.2	6.0	0.9	0.5	0.8	0.6	11.1	5.5	9.9	5.9
BITUMEN	4.7	5.1	0.4	0.6	0.6	0.7	4.2	4.4	4.5	5.1
OTHERS	30.0	20.4	2.6	1.9	2.8	2.1	27.4	18.7	29.6	22.2
ALL INDIA	**220.7**	**165.5**	**17.6**	**14.2**	**19.1**	**15.9**	**201.7**	**150.8**	**209.4**	**166.0**
Growth (%)	**0.2%**	**4.5%**	**-0.1%**	**11.0%**	**8.6%**	**11.7%**	**0.4%**	**4.7%**	**3.8%**	**10.0%**

13. LPG Consumption (Thousand Metric Tonne)								
LPG Category	**2013-14**	**2014-15**	**February**			**April-February**		
			2015	**2016 (P)**	**Gr (%)**	**2014-15**	**2015-16 (P)**	**Gr (%)**
1. PSU Sales :								
LPG-Packed Domestic	14,411.6	16,040.4	1317.9	1519.4	15.3	14617.9	15572.4	6.5
LPG-Packed Non-Domestic	1,073.6	1,051.0	111.4	136.0	22.1	946.0	1322.2	39.8
LPG-Bulk	245.7	315.7	28.9	24.4	-15.6	286.0	282.5	-1.2
Auto LPG	194.3	163.8	15.0	14.2	-5.3	149.7	156.1	4.3
Sub-Total (PSU Sales)	**15,925.2**	**17,570.9**	**1473.2**	**1694.0**	**15.0**	**15999.6**	**17333.2**	**8.3**
2. Direct Private Imports*	368.5	429.2	23.5	34.7	47.7	392.8	381.4	-2.9
Total (1+2)	**16,293.6**	**18,000.0**	**1496.7**	**1728.7**	**15.5**	**16392.4**	**17714.6**	**8.1**

Note: April-December 2015 data as per DGCIS. January 2016-February 2016 data prorated on the basis of 2015-16 (April-December) 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)	February 2015 (Actual)	February 2016 (Target)	February 2016 (P)	April-February 2014-15 (Actual)	April-February 2015-16 (Target)	April-February 2015-16 (P)
Gross Production	35,407	33,657	2,534	2,845	2,565	30,819	32,234	29,710
Net Production (Excluding Flare Gas)	34,574	32,693	2,458		2,499	29,955		28,699
LNG Import	17,728	18,536	1,100		1,788	17,299		19,563
Total Consumption including Internal consumption (Net Production + Import)	52,302	51,230	3,558		4,287	47,254		48,262
Total Consumption (in BCM)	52.30	51.23	3.56		4.29	47.25		48.26

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 (February, 2016)	**32.821**	**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 1.2.2016)**
Haryana	Haryana City Gas, Adani Gas Limited, Gail Gas Ltd.	Sonepat, Faridabad, Gurgaon	20	28,121
Andhra Pradesh, Telangana	Bhagyanagar Gas Ltd	Kakinada, Hyderabad, Vijaywada, Rajamundry	32	3,985
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	14,73,523
Madhya Pradesh	Avantika Gas Ltd, GAIL Gas Ltd	Dewas, Vijaipur, Indore including Ujjain, Gwalior	21	5,418
Delhi	Indraprastha Gas Ltd	National Capital Territory of Delhi (Including Noida & Ghaziabad)	324	6,20,493
Rajasthan	GAIL Gas Ltd	Kota	3	189

State	Entity Operating	Geographical Region	CNG Stations	PNG Connections
			(as on 30.9.2015)	(as on 1.02.2016)
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	8,76,823
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	30,896
		Total	**1,026**	**30,89,394**

21. Information on Prices, Taxes and Under-recoveries

International Prices/ Exchange rates ($/bbl)

	2013-14	2014-15	Apr-Feb'16
Crude (Indian Basket)	105.52	84.16	47.09
Petrol	114.31	95.45	62.89
Diesel	119.41	96.64	56.14
Kerosene	118.80	96.98	56.71
LPG ($/MT)	880.49	683.87	403.15
FO ($/MT)	595.79	471.99	242.37
Naphtha ($/MT)	881.30	717.44	427.68
Exchange (Rs./$)	60.50	61.15	65.32

Customs & Excise Duty rates (w.e.f. 1.3.2016)

	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	14% *
Crude Oil	NIL+Rs.50/ -MT as NCCD	NIL+Rs.4,500/MT Cess+Rs.50/-MT NCCD

** 8% for scheduled commuter airlines from regional connectivity scheme airports*

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

	Petrol	Diesel
Price before taxes and dealer comm.	22.85	21.55
Central taxes	21.89	17.72
State taxes	12.69	7.62
Dealer comm.	2.25	1.44
Retail Selling Price	59.68	48.33

	PDS SKO*	Sub. Dom LPG
Price before taxes and dealer commission	13.56	467.73
Central taxes	0	0
State taxes	0.44	0
Dealer commission	1.24	45.96
Retail Selling Price	15.24	513.50
Less cash compensation (CC) under DBTL		46.71
CC by OMCs towards uncompensated cost		47.66
Effective cost to consumer after subsidy		419.13

* SKO at Mumbai as on 1st Mach, 2016. Petrol and diesel at Delhi as on 17th March, 2016 and LPG as on 1st March, 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	740	1,640

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

Exclusive Economic Zone

200 Nautical Miles	370.4 Kilometers

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

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