

Ready Reckoner

Snapshot of India's Oil & Gas data

May, 2016



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

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Highlights

	<ul style="list-style-type: none">Indigenous crude oil production during May, 2016 was lower by 3.3 % (106 TMT) than that of May, 2015. On overall basis, indigenous crude oil production was less by 2.7% (170 TMT) during April-May, 2016 in comparison with corresponding period of April-May, 2015.
	<ul style="list-style-type: none">RIL SEZ refinery undertook shut down of one of the crude distillation units for routine maintenance & inspection (M&I) activities from May 01, 2016, for about 3 weeks. Total crude oil processed during May, 2016 by the refineries was 19,955 TMT against crude oil processing of 19,706 TMT in May, 2015 and a target of 20,634 TMT for the month of May, 2016. On cumulative basis, crude oil processed during April-May, 2016 by the refineries was 40,112 TMT against crude oil processing of 36,796 TMT in comparison to 2015 and a target of 39,800 TMT for the period of April-May, 2016.
	<ul style="list-style-type: none">Production of petroleum products during May, 2016 saw a growth of 3.1% (608 TMT) over the corresponding month of the previous year and on a cumulative basis, a growth of 10.4% (3,730 TMT) was recorded during April-May, 2016.
	<ul style="list-style-type: none">Export of POL products increased during May, 2016 by 1.1% (51 TMT) as compared to May, 2015. Further, imports grew by 6.7% (178 TMT) over corresponding period of 2015 with LPG, Naphtha, HSD, Lubes and Petcoke contributing 81.9% share in import of POL products.

	<ul style="list-style-type: none"> Petroleum product consumption registered a growth of 6.7% during May, 2016 as compared to 5.3% growth during May, 2015. Except for Kerosene and Naphtha, all other products registered positive growth during May, 2016. During the period April 2016 to May 2016, petroleum product consumption registered a growth of 8.3% (2.5 MMT) as compared to the same period last year.
	<ul style="list-style-type: none"> Gross production of natural gas for the month of May, 2016 was 2,656 MMSCM which was lower by 6.9 % compared with the corresponding month of the previous year (2,852 MMSCM). The cumulative gross production of natural gas 5,144 MMSCM for the current year till May, 2016 was lower by 6.9% compared with the corresponding period of the previous year (5,523 MMSCM).
	<ul style="list-style-type: none"> LNG import for the month of May, 2016 was 2,082 MMSCM which was 43.4 % higher than the corresponding month of the previous year (1,452 MMSCM). The cumulative import of 4,224 MMSCM for the current year till May, 2016 was higher by 44.4% as compared with the corresponding period of the previous year (2,925 MMSCM).
	<ul style="list-style-type: none"> The prices of Brent crude averaged \$46.88/bbl during May, 2016 as against \$41.48/bbl during April, 2016. Similarly, the Indian basket crude averaged \$44.97/bbl during May, 2016 as against \$39.85/bbl during the previous month.
	<ul style="list-style-type: none"> The import bill of crude oil is estimated to increase by 2% from \$ 64 billion in 2015-16 to \$66 billion in 2016-17 considering Indian basket crude oil price of \$ 45/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 1 st March 2011)	Billion	1.2	-	-	-
2	GDP at Factor Cost (Constant prices)	Growth %	5.6 2nd RE (NS)	6.6 2nd RE (NS)	7.2 1st RE (NS)	7.6 (PE)
3	Agricultural Production (Food grains)	MMT	257.1	265.0	252.0	252.2 3rd AE
		Growth %	-0.8	3.1	-4.9	0.1
4	Gross Fiscal Deficit	%	-4.9	-4.5	-4.1	-3.9 (RE)

Economic indicators	Unit/ Base	2014-15	2015-16 ^(P)	May		April-May		
				2015	2016 ^(P)	2015	2016 ^(P)	
5	Index of Industrial Production [@]	Growth %	2.8	2.4	3.0	-0.8	-	-
6	Imports	\$ Billion	448.0	380.7	32.8	28.4	65.8	53.9
7	Exports	\$ Billion	310.3	262.0	22.3	22.2	44.4	42.7
8	Trade Balance	\$ Billion	-137.7	-118.6	-10.4	-6.3	-21.4	-11.1
9	Foreign Exchange Reserves	\$ Billion	341.4	355.6	352.5*	360.2 [^]	-	-

@IIP is for the month of April, 2016; NS-New Series; AE-Advanced Estimates; RE-Revised Estimates; PE- Provisional Estimates; *As on May 29, 2015; [^]As on May 27, 2016

2. Crude oil and petroleum products at a glance

Economic indicators		Unit/ Base	2014-15	2015-16 (P)	May		April-May	
					2015	2016 (P)	2015	2016 (P)
					1	Crude oil production in India	MMT	37.5
2	Consumption of petroleum products	MMT	165.5	183.5	15.5	16.6	30.2	32.8
3	Production of petroleum products	MMT	220.7	231.3	19.5	20.1	35.9	39.6
4	Imports & exports:							
Crude oil imports		MMT	189.4	202.9	17.5	17.7	33.0	35.7
		\$ Billion	112.7	64.0	7.6	5.3	13.8	10.1
Petroleum products (POL) imports		MMT	21.3	28.3	2.6	2.8	4.5	5.9
		\$ Billion	12.1	10.0	1.1	1.0	1.9	2.0
Gross petroleum imports (Crude + POL)		MMT	210.7	231.2	20.1	20.5	37.5	41.5
		\$ Billion	124.9	74.0	8.7	6.3	15.7	12.0
Petroleum products exports		MMT	63.9	60.5	4.5	4.6	8.3	9.5
		\$ Billion	47.3	27.1	2.7	2.0	4.7	4.0
5	Petroleum imports as % of India's gross imports (in value)	%	27.9	19.4	26.4	22.0	23.8	22.3
6	Petroleum exports as % of India's gross Exports (in value)	%	15.2	10.3	11.9	9.1	10.6	9.3
7	Import dependency (On Consumption)	%	78.5%	80.8%	81.3%	81.9%	81.2%	82.0%

3. Indigenous crude oil production (Million Metric Tonne)

Details	2014-15	2015-16 ^(P)	May			April-May		
			2015 ^(P)	2016 (Target)*	2016 ^(P)	2015 ^(P)	2016 (Target)*	2016 ^(P)
ONGC	18.6	18.5	1.6	1.9	1.5	3.1	3.7	3.0
Oil India Limited (OIL)	3.4	3.2	0.3	0.3	0.3	0.6	0.5	0.5
Private / Joint Ventures (JVs)	11.7	11.3	1.0	0.9	0.9	1.9	1.8	1.8
Total Crude Oil	33.8	33.1	2.9	3.0	2.7	5.6	6.0	5.4
Condensate	3.7	3.8	0.3		0.3	0.6		0.6
Total (Crude + Condensate) (MMT)	37.5	36.9	3.2	3.0	3.1	6.2	6.0	6.0
Total (Crude + Condensate) (Million Bbl)	274.7	270.8	23.3	22.4	22.6	45.5	44.1	44.2

*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	2014-15	2015-16 ^(P)	May ^(P)		April-May ^(P)	
			2015	2016	2015	2016
Total domestic production (MMTOE)	71.1	69.2	6.0	5.7	11.7	11.2
Overseas production (MMTOE)	9.58	9.69	0.84	0.80	1.63	1.58
Overseas production as % of domestic production	13.5%	14.0%	13.9%	14.0%	13.9%	14.2%

Source - ONGC Videsh, GAIL, OIL, IOCL & HPCL

5. High Sulphur (HS) & Low Sulphur (LS) crude oil processing (MMT)

Details	2014-15	2015-16 ^(P)	May ^(P)		April-May ^(P)	
			2015	2016	2015	2016
1 High Sulphur crude	161.4	165.4	14.3	14.3	26.7	28.8
2 Low Sulphur crude	61.9	67.5	5.5	5.7	10.1	11.3
Total Crude	223.3	232.9	19.7	20.0	36.8	40.1
Share of HS crude in total crude oil processing	72.3%	71.0%	72.3%	71.5%	72.5%	71.7%

6. Quantity and value of crude oil imports

Year	Quantity (MMT)	\$ Million	Rs. Crore
2015-16 (Actuals)	202.85	63,961	416,361
2016-17 (Estimated)	202.71	65,505	438,695

Note: April & May 2016 imports are based on actuals and for June 2016 to March 2017, the imports are estimated at \$45/bbl and Rs.67/\$.

Impact of variation in Crude oil price & Exchange rate on Crude oil imports for June 2016 - March 2017:

If crude prices increase by one \$/bbl - Net Import bill increases by Rs. 8,251 crores (\$ 1.23 bn)

If exchange rate of \$ increases by Rs. 1/\$ - Net Import bill increases by Rs. 5,542 crores (\$ 0.82 bn)

7. Self-sufficiency in petroleum products (Million Metric Tonnes)

Details		2014-15	2015-16 ^(P)	May ^(P)		April-May ^(P)	
				2015	2016	2015	2016
1	Indigenous crude oil processing :	34.2	34.1	2.8	2.9	5.5	5.7
a)	Products from indigenous crude (93.3% of crude oil processed)	32.0	31.9	2.6	2.7	5.1	5.3
b)	Products from fractionators (Including LPG and Gas)	3.7	3.4	0.3	0.3	0.6	0.5
2	Total production from indigenous crude & condensate (a + b)	35.6	35.2	2.9	3.0	5.7	5.9
3	Total domestic consumption	165.5	183.5	15.5	16.6	30.2	32.8
% Self-sufficiency (2 / 3)		21.5%	19.2%	18.7%	18.1%	18.8%	18.0%

8. Refineries: Installed capacity and crude oil processing (MMTPA / MMT)

Com- pany	Refinery	Installed capacity (1.4.2016)	2014-15	2015-16 (P)	Crude oil processing					
					May			April-May		
					2015 (Actual)	2016 (Target)	2016 ^(P)	2015 (Actual)	2016 (Target)	2016 ^(P)
IOCL	Barauni (1964)	6.0	5.9	6.5	0.5	0.6	0.6	1.0	1.1	1.1
	Koyali (1965)	13.7	13.3	13.8	1.2	1.2	1.2	1.8	2.4	2.5
	Haldia (1975)	7.5	7.7	7.8	0.7	0.7	0.7	1.3	1.4	1.4
	Mathura (1982)	8.0	8.5	8.9	0.7	0.8	0.8	1.4	1.5	1.6
	Panipat (1998)	15.0	14.2	15.3	1.4	1.3	1.4	2.7	2.6	2.7
	Guwahati (1962)	1.0	1.0	0.9	0.1	0.1	0.1	0.2	0.2	0.1
	Digboi (1901)	0.7	0.6	0.6	0.1	0.1	0.05	0.1	0.1	0.1
	Bongaigaon(1979)	2.4	2.4	2.4	0.2	0.2	0.2	0.5	0.4	0.4
	Paradip (2016)	15.0	-	1.8	0.0	0.7	0.5	0.0	1.3	0.9
	IOCL TOTAL	69.2	53.6	58.0	4.8	5.6	5.6	8.9	10.9	10.9
HPCL	Mumbai (1954)	6.5	7.4	8.0	0.4	0.7	0.7	1.0	1.3	1.4
	Visakh (1957)	8.3	8.8	9.2	0.8	0.8	0.8	1.5	1.6	1.6
HMEL	Bathinda (2012)	9.0	7.3	10.7	0.9	0.8	0.9	1.8	1.6	1.9
	HPCL-TOTAL	23.8	23.5	27.9	2.2	2.3	2.5	4.3	4.4	4.9
BPCL	Mumbai (1955)	12.0	12.8	13.4	1.2	1.2	1.2	2.3	2.3	2.3
	Kochi (1966)	9.5	10.4	10.7	0.9	0.9	0.9	1.8	1.8	1.8
BORL	Bina (2011)	6.0	6.2	6.4	0.6	0.5	0.6	0.6	1.1	1.2
	BPCL-TOTAL	27.5	29.4	30.5	2.7	2.6	2.7	4.7	5.2	5.3

Com- pany	Refinery	Installed capacity (1.4.2016)	2014-15	2015-16 (P)	Crude oil processing					
					May			April-May		
					2015 (Actual)	2016 (Target)	2016 ^(P)	2015 (Actual)	2016 (Target)	2016 ^(P)
CPCL	Manali (1969)	10.5	10.2	9.1	0.9	0.9	0.8	1.8	1.7	1.6
	CBR (1993)	1.0	0.5	0.5	0.04	0.1	0.05	0.1	0.1	0.1
	CPCL-TOTAL	11.5	10.8	9.6	1.0	0.9	0.9	1.9	1.8	1.7
NRL	Numaligarh (1999)	3.0	2.8	2.5	0.2	0.2	0.2	0.2	0.5	0.5
ONGC	Tatipaka (2001)	0.1	0.1	0.1	0.004	0.004	0.006	0.008	0.008	0.01
MRPL	Mangalore (1996)	15.0	14.6	15.5	1.3	1.5	1.2	2.4	2.6	2.4
	ONGC TOTAL	15.1	14.7	15.6	1.3	1.5	1.2	2.5	2.7	2.4
RIL*	Jamnagar (DTA) (1999)	33.0	30.9	32.4	2.7	2.7	2.9	4.8	4.8	5.6
	Jamnagar (SEZ) (2008)	27.0	37.2	37.1	3.1	3.1	2.2	6.1	6.1	5.3
EOL	Vadinar (2006)	20.0	20.5	19.1	1.8	1.7	1.8	3.5	3.4	3.5
All India		230.1	223.3	232.9	19.7	20.6	20.0	36.8	39.8	40.1

* RIL target for 2016-17 is previous year crude processing. Note: Some sub-totals/ totals may not add up due to rounding off at individual levels.

9. Major crude oil and product pipeline network										
		ONGC	OIL	Cairn	HMEL	IOCL	BPCL	HPCL	Other	Total
Crude Oil (as on 1.4.2016)	Length (KM)	1,180	1,193	670	1,017	4,867	937		-	9,864
	Cap (MMTPA)	57.1	8.4	8.7	9.0	40.4	6.0	-	-	129.6
Products (as on 1.4.2016)	Length (KM)	-	654	-	-	6,739	1,935	2,957	2,687	14,972
	Cap (MMTPA)	-	1.7	-	-	40.2	14.9	31.6	9.3	97.7

Other includes GAIL and Petronet India.

10. Gross Refining Margins (GRM) of refineries (\$/bbl)

Company	Refinery	2012-13	2013-14	2014-15	2015-16
IOCL	Barauni	2.40	6.68	-1.20	2.93
	Koyali	4.61	4.52	4.79	6.80
	Haldia	0.85	2.84	-1.51	3.96
	Mathura	0.55	2.10	-2.19	3.30
	Panipat	3.34	3.62	-1.97	4.15
	Guwahati	9.52	6.38	8.68	15.88
	Digboi	20.81	15.41	13.73	16.17
	Bongaigaon	5.26	6.71	-0.26	11.09
	Paradip	-	-	-	-0.65
	Average	3.16	4.24	0.27	5.06
BPCL	Kochi	5.36	4.80	3.17	6.87
	Mumbai	4.67	3.95	3.97	6.37
	Average	4.97	4.33	3.62	6.59
HPCL	Mumbai	2.08	5.38	4.88	8.09
	Visakhapatnam	2.08	1.50	1.12	5.46
	Average	2.08	3.43	2.84	6.68
CPCL	Chennai	0.99	4.08	1.97	5.27
MRPL	Mangalore	2.45	2.67	-0.64	5.20
NRL	Numaligarh	10.52	12.09	16.67	23.68
BORL	Bina	7.00	7.70	6.10	11.70
RIL	Jamnagar	9.20	8.10	8.60	10.80
Essar	Vadinar	7.96	7.98	8.37	Not yet declared

11. GRM of North-East refineries excluding excise duty benefit (\$/bbl)					
Company	Refinery	2012-13	2013-14	2014-15	2015-16
IOCL	Guwahati	3.43	0.88	0.96	1.26
	Digboi	13.25	8.50	5.42	4.16
	Bongaigaon	0.25	2.34	-6.51	0.08
NRL	Numaligarh	4.86	6.98	9.46	8.06

12. Production and consumption of petroleum products (Million Metric Tonnes)										
Products	April-March 2016 ^(P)		May 2015		May 2016 ^(P)		April-May 2015		April-May 2016 ^(P)	
	Production	Consumption	Production	Consumption	Production	Consumption	Production	Consumption	Production	Consumption
LPG	10.6	19.6	0.8	1.5	0.9	1.6	1.6	3.0	1.7	3.2
MS	35.3	21.8	2.8	1.8	3.2	2.1	5.1	3.6	6.2	4.1
NAPHTHA	17.7	13.4	1.5	1.2	1.4	1.1	2.9	2.2	2.7	2.3
ATF	11.8	6.2	0.8	0.5	1.1	0.6	1.4	1.0	2.2	1.1
SKO	7.5	6.8	0.6	0.6	0.6	0.5	1.1	1.1	1.1	1.0
HSD	98.6	74.6	8.7	6.4	8.1	7.0	15.8	12.9	16.1	13.7
LDO	0.4	0.4	0.03	0.02	0.04	0.04	0.1	0.1	0.1	0.1
LUBES	1.0	3.2	0.1	0.2	0.1	0.3	0.2	0.5	0.2	0.5
FO/LSHS	10.7	6.7	1.0	0.5	1.2	0.6	1.8	1.0	2.2	1.3
BITUMEN	5.2	5.8	0.5	0.6	0.6	0.6	1.0	1.1	1.2	1.2
OTHERS	32.5	24.9	2.6	2.1	3.0	2.1	5.0	3.7	5.9	4.2
ALL INDIA	231.3	183.5	19.5	15.5	20.1	16.6	35.9	30.2	39.6	32.8
Growth (%)	4.8%	10.9%	5.7%	5.3%	3.1%	6.7%	0.6%	7.1%	10.4%	8.3%

13. LPG consumption (Thousand Metric Tonne)								
LPG category	2014-15	2015-16 (P)	May			April-May		
			2015	2016 ^(P)	Gr (%)	2015	2016 ^(P)	Gr (%)
1. PSU Sales :								
LPG-Packed Domestic	16,040.4	17,182.5	1,321.7	1,396.5	5.7	2627.6	2788.0	6.1
LPG-Packed Non-Domestic	1,051.0	1,464.0	107.0	130.0	21.5	207.5	261.0	25.8
LPG-Bulk	315.7	316.4	25.8	31.5	22.0	49.1	61.0	24.2
Auto LPG	163.8	170.8	14.6	13.9	-4.5	28.4	27.0	-4.8
Sub-Total (PSU Sales)	17,570.9	19,133.7	1,469.1	1,571.9	7.0	2,912.6	3,137.0	7.7
2. Direct Private Imports	429.2	417.3	27.5	35.6	29.5	63.6	71.2	11.9
Total (1+2)	18,000.1	19,551.0	1,496.6	1,607.5	7.4	2,976.2	3,208.2	7.8

14. Industry marketing infrastructure (as on 01.04.2016) (Provisional)								
Particulars	IOCL	BPCL	HPCL	RIL	ESSAR	SHELL	Others	Total
Terminal/ Depots (Nos.)	129	84	88	16	11	2	6*	336
Aviation Fuel Stations (Nos.)	100	40	37	27			1@	205
Retail Outlets (total) (Nos.)	25,363	13,439	13,802	1,400	2,100	82	4^	56,190
LPG Distributors (total) (Nos.) (PSUs only)	9,144	4,494	4,278					17,916
SKO/LDO agencies (Nos.)	3,909	1,001	1,638					6,548
LPG Bottling plants (Nos.) (PSUs only)	91	51	46					188
LPG Bottling capacity (TMTPA) (PSUs only)	8,335	3,375	3,462					15,172
Rural ROs (Nos.)	6,691	2,353	2,847	127	385	10		12,413
RGGLVY (Nos.)	2,761	1,385	1,340					5,486
LPG consumers (Nos. crore) (PSUs only)	9.88	5.06	5.24					20.18

*2 NRL, 4 MRPL ; @ Shell MRPL ; ^1 ONGC, 3 MRPL

15. Natural gas at a glance								
(MMSCM)								
Details	2014-15	2015-16 (P)	May			April-May		
			2015 (P)	2016 (Target)	2016 (P)	2015 (P)	2016 (Target)	2016 (P)
(a) Gross production	33,657	32,249	2,852	2,722	2,656	5,523	5,244	5,144
(b) Net production (excluding flare gas and loss)	32,693	31,138	2,757		2,574	5,335		4,974
(c) LNG import	18,536	21,309	1,452		2,082	2,925		4,224
(d) Total consumption including internal consumption (Net production + Import) (b + c)	51,229	52,448	4,209		4,655	8,259		9,198
(e) Total consumption (in BCM)	51.23	52.45	4.21		4.66	8.26		9.20
(f) Import dependency based on consumption [c/d*100]	36.18	40.63	34.50		44.72	35.41		45.92

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 (May, 2016)	42.646	MMSCM

17. Major natural gas pipeline network								
Nature of pipeline		GAIL	Reliance	GSPL	ARN	IOCL	ONGC	Total
Natural gas (as on 1.4.2016)	Length (KM)	11,077	1,469	2,540	1,000	140	24	16,250
	Cap (MMSCMD)	206	80	43	6	9.5	6	350.5

18. Gas pipelines under execution / construction as on 31.3.2016

Network/ Region	Entity	Length (KM)	Design Cap. (MMSCMD)	Pipeline Size
Kochi-Kottanad-Bengaluru-Mangalore	GAIL (India) Ltd	1,063	16	24"/18"/12"
Dabhol - Bengaluru (DBPL)	GAIL (India) Ltd	315	16	36"/30"/24"/18"
Surat - Paradip	GAIL (India) Ltd	2,112	74.81	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"
Ennore-Thiruvallur-Bengaluru-Puducherry-Nagapattinam-Madurai-Tuticorin	Indian Oil Corporation Limited	1,385	84.67	28"/24"/16"/12"/10"
Total		12,687		

19. Existing LNG terminals as on 31.3.2016

Existing	Promoters	Capacity (MMTPA)	Capacity Utilisation in % (in 2015-16)
Dahej	Petronet LNG Ltd (PLL)	Existing 10 MMTPA to be increased to 15 MMTPA by 2016	110.0
Hazira	Hazira LNG Pvt Ltd (HLPL)	5 MMTPA	70.4
Dabhol	RGPPL (GAIL - NTPC JV)	1.692 MMTPA in phase-1 without break water to be increased to 5 MMTPA	80.8
Kochi	Petronet LNG Ltd (PLL)	5 MMTPA	5.6

20. Status of PNG connections and CNG stations across India (Nos.)

State	Entity operating	Geographical region	CNG stations	PNG connections
			(as on 1.4.2016)	(as on 1.5.2016)
Haryana	Haryana City Gas, Adani Gas Limited, GAIL Gas Ltd.	Sonepat, Faridabad, Gurgaon	24	31,523
Andhra Pradesh	Bhagyanagar Gas Ltd	Kakinada, Vijayawada	12	3,154
Telangana	Bhagyanagar Gas Ltd	Hyderabad	21	1,140
Assam	Assam Gas Co. Ltd	Tinsukia, Dibrugarh, Sibsagar, Jorhat, Golaghat	0	29,000
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	377	15,11,616
Madhya Pradesh	Avantika Gas Ltd, GAIL Gas Ltd	Dewas, Vijaipur, Indore including Ujjain, Gwalior	22	6,316
New Delhi	Indraprastha Gas Ltd	National Capital Territory of Delhi (Including Noida & Ghaziabad)	340	6,41,656

State	Entity operating	Geographical region	CNG stations (as on 1.4.2016)	PNG connections (as on 1.5.2016)
Rajasthan	GAIL Gas Ltd	Kota	3	189
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	225	8,98,021
Tripura	Tripura Natural Gas Co. Ltd	Agartala	5	23,039
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	45	34,447
		Total	1,081	31,80,101

21. Information on Prices, Taxes and Under-recoveries

International prices/ Exchange rates (\$/bbl)			
	2014-15	2015-16	Apr-May`16
Crude (Indian Basket)	84.16	46.17	42.35
Petrol	95.45	61.72	53.76
Diesel	96.64	55.02	49.71
Kerosene	96.98	55.71	50.69
LPG (\$/MT)	683.87	394.71	348.00
FO (\$/MT)	471.99	235.13	195.51
Naphtha (\$/MT)	717.44	420.14	380.86
Exchange (Rs./\$)	61.15	65.46	66.72
Customs & excise duty rates (w.e.f. 1.3.2016)			
	Basic customs duty	Excise duty	
Petrol	2.50%	Rs 21.48/Ltr	
Diesel	2.50%	Rs 17.33/Ltr	
PDS SKO	Nil	NIL	
Non-PDS SKO	5.00%	14.00%	
Sub. Dom LPG	NIL	NIL	
Non Domestic LPG	5.00%	8%	
Furnace Oil (Non-Fert)	5.00%	14%	
Naphtha (Non-Fert)	5.00%	14%	
ATF	NIL	14% *	
Crude Oil	NIL+Rs.50/-MT as NCCD	NIL+ Cess@ 20%+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 commission	27.40	27.72
Central taxes	21.99	17.85
State taxes	13.96	8.17
Dealer commission	2.30	1.45
Retail selling price (RSP)	65.65	55.19

	PDS SKO*	Sub. Dom LPG
Price before taxes and dealer commission	13.16	502.91
Central taxes	0	0
State taxes	0.44	0
Dealer commission	1.42	46.01
Retail Selling Price	15.02	548.50
Less cash compensation (CC) under DBTL		86.77
CC by OMCs towards uncompensated cost		42.55
Effective cost to consumer after subsidy		419.18

* SKO at Mumbai as on 3rd June, 2016. Petrol and diesel at Delhi as on 16th June, 2016 and LPG as on 1st June, 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	1260

21. Information on Prices, Taxes and Under-recoveries

Under-recoveries & Burden Sharing			
	2013-14	2014-15	2015-16
Per unit under-recovery (Rs./litre/Cylinder)			
Diesel	8.39	2.70 [^]	Deregulated
PDS SKO	33.98	27.93	13.47
Sub. Dom LPG	499.52	409.72	150.82*
Total under-recoveries including DBTL (Rs. Crores)			
Diesel	62,837	10,935 [^]	Deregulated
PDS SKO	30,574	24,799	11,496
Sub. Dom LPG#	50,327	40,551	16,074
Total	143,738	76,285	27,570
Burden sharing (Rs. Crores)			
	2013-14	2014-15	2015-16
Government	74,610	31,279	26,301**
Upstream	67,021	42,822	1,251
OMCs	2,107	2,184	18
Fiscal subsidy under Govt. schemes (Rs. Crores)			
PDS SKO	681	Scheme was extended till	
Sub. Dom LPG	1,920	31.3.2015	
*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, 2015-16: Rs.16,056 crore); ** Govt. compensation pending disbursement: Rs.7,469 crore; [^] up to 18.10.2014 only			

Sales & profit of Petroleum Sector (Rs. Crores)			
	2015-16	Turnover	PAT
Upstream Companies (PSU)		138,676	20,633
Downstream Companies (PSU)		717,700	21,694
Standalone Refineries (PSU)		75,641	3,141
Private (RIL & EOL*)		336,332	29,258

*Q4 2015-16 results for EOL not yet declared.

Borrowings of OMCs (Rs. Crores)			
	2013-14	2014-15	2015-16
IOCL	86,263	55,248	52,469
BPCL	20,322	13,098	15,976
HPCL	32,164	20,335	21,337

Petroleum sector contribution to Central/State Govt.				
	2013-14	2014-15	2015-16	
Central Government	152,900	172,066	258,443	
% to total revenue receipt	15%	16%	21%	
State Governments	152,460	160,554	160,209	
% to total revenue receipt	11%	9%	8%	
Total (Rs. Crores)	305,360	332,620	418,652	

Subsidy as a % of GDP(at current prices)			
	2013-	2014-15	2015-16
Petroleum subsidy	1.30	0.62	0.25

Note- GDP figure for 2013-14 are 2nd RE. 2014-15 are RE & 2015-16 are PE

22. Capital expenditure of PSU oil companies

Company	2013-14	2014-15	2015-16 ^(P)	April-May	
				Target*	2016 ^(P)
ONGC Videsh Ltd (OVL)	35,357	7,172	6,783	14,843	8,167
ONGC Ltd	32,470	29,997	29,502	29,307	3,150
Oil India Ltd (OIL)	9,351	3,774	3,550	4,020	472
GAIL (India) Ltd	4,070	1,632	1,880	1,929	144
Indian Oil Corp. Ltd. (IOCL)	16,661	14,314	14,368	15,395	1,572
Hindustan Petroleum Corp. Ltd (HPCL)	2,642	2,670	5,459	6,862	319
Bharat Petroleum Corp. Ltd (BPCL)	4,374	6,875	10,926	13,097	877
Mangalore Refinery & Petrochem Ltd (MRPL)	1,449	2,747	1,550	600	10
Chennai Petroleum Corp. Ltd (CPCL)	229	466	1,318	1,148	96
Numaligarh Refinery Ltd (NRL)	372	103	237	352	25
Balmer Lawrie Co. Ltd (BL)	120	80	38	50	2
TOTAL	107,095	69,830	75,611	87,603	14,834

* Targets are for financial year 2016-17 and actual is for April-May 2016. Budget Estimates are for both Plan and Non-Plan

23. Conversion factors and volume conversion

Weight to volume conversion				Volume conversion	
Product	Weight (MT)	Volume (KL)	Barrel (bbl)	From	To
LPG	1	1.844	11.60	1 US Barrel (bbl)	159 litres
Petrol (MS)	1	1.411	8.50	1 US Barrel (bbl)	42 US Gallons
Diesel (HSD)	1	1.210	7.45	1 US Gallon	3.78 litres
Kerosene (SKO)	1	1.285	7.90	1 Kilo litre (KL)	6.29 bbl
ATF	1	1.288	8.10	1 Million barrels per day	49.8 MMTPA
Light Diesel Oil (LDO)	1	1.172	7.37	Energy conversion	
Furnace Oil (FO)	1	1.071	6.74	1 Kilocalorie (kcal)	4.187 kJ
Crude Oil	1	1.170	7.33	1 Kilocalorie (kcal)	3.968 Btu
Exclusive Economic Zone					
200 Nautical Miles	370.4 Kilometers				
				1 Kilowatt-hour (kWh)	860 kcal
				1 Kilowatt-hour (kWh)	3,412 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)	10,000 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	4,541 SCM/day	
1 MT of LNG	1,314 SCM		Power generation from 1 MMSCMD of gas	220 MW	