Ready Reckoner

Snapshot of India's Oil & Gas data

May, 2015

Analysis • Knowledge • Information

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

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Highlights

The fields in South Gujarat contributed maximum in loss of production due to natural decline in brownfield and increasing water cut. The production in Assam field was affected due to natural decline in brownfield and power failure.
The drop has been offset partially by increased condensate production of ONGC at Hazira.
Crude Oil production in PSC regime was affected by under-performance of “Bhagyam Field Wells”. RJ-ON-90/1 accounted for major loss of production.
Planned shutdown of IOC Refineries: Koyali: 23st March, 2015 to 4th May, 2015 - units under shutdown were FCCU, DCU, DHDT, Coker, VGO-HDT; Barauni: CRU under shutdown from 27th April to 22nd May, 2015; Planned Shutdown of BPCL-BORL refinery: all units from 30.3.2015 to 1.5.2015.
Lower availability of BS IV diesel during May, 2015 due to some issues of DHDT unit in IOCL’s Mathura Refinery and BPCL’s Kochi. HPCL’s Mumbai refinery which was under shut down from 25th April to 1st June, 2015 is further extended due to issues in FCCU. HMEL’s CCR unit which was under planned shutdown stabilized during first fortnight of May, 2015.
The consumption of all petroleum products has registered a growth of 2.9 % in May, 2015 as compared to that in May, 2014. Except for LPG, MS, Naphtha, Lubes, Pet coke and ATF, all other products have recorded negative growth.
LPG consumption for the 21st month in a row recorded a positive growth of 6.0% during May 2015 and a cumulative growth of 7.8% for the period April -May 2015.

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)	7.3 (PE)	-
3	Agricultural Production (Food grains)	MMT	257.1	265.04 Final	251.12 3nd AE	-
		Growth %	-0.8	3.1	-5.3	
4	Gross Fiscal Deficit	%	-4.8	-4.6	-4.1 (RE)	-3.9 (BE)

Economic Indicators		Unit/Base	2013-14	2014-15	May		April-May	
					2014	2015	2014	2015
5	Index of Industrial Production@	Growth %	-0.1	2.8	1.5	4.1		
6	Imports	$ Billion	450.2	447.5	39.2	32.8	75.0	65.8
7	Exports	$ Billion	314.4	310.5	28.0	22.3	53.6	44.4
8	Trade Balance	$ Billion	-135.8	-137.0	-11.2	-10.4	-21.3	-21.4
9	Foreign Exchange Reserves	$ Billion	303.7	341.4	312.4	352.5		

@ IIP is for the month of April 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 (P)	2014-15 (P)	May		April-May	
					2014	2015 (P)	2014	2015 (P)
1	Crude Oil Production In India	MMT	37.8	37.5	3.2	3.2	6.3	6.2
2	Consumption of Petroleum Products	MMT	158.4	165.0	14.7	15.1	28.1	29.7
3	Production of Petroleum Products	MMT	220.3	220.7	18.4	19.5	35.7	35.9
4	Imports & Exports:							
	Crude Oil Imports	MMT	189.2	189.4	14.9	17.5	31.8	33.0
		$ Billion	143.0	112.7	11.3	7.6	24.0	13.8
	Petroleum Products (POL) Imports	MMT	16.7	20.2	1.6	2.0	3.2	3.9
		$ Billion	12.2	11.9	1.2	1.0	2.3	1.9
	Gross Petroleum Imports (Crude + POL)	MMT	205.9	209.6	16.5	19.5	35.0	36.9
		$ Billion	155.2	124.6	12.5	8.6	26.3	15.7
	Petroleum Products Exports	MMT	67.9	63.7	5.2	4.5	9.7	8.3
		$ Billion	60.7	47.1	4.8	2.7	8.9	4.7
5	Petroleum Imports as % of India's Gross Imports	%	34.5	27.8	31.9	26.2	35.1	23.9
6	Petroleum Exports as % of India's Gross Exports	%	19.3	15.2	17.1	12.1	16.6	10.6
7	Import Dependency (On Consumption)	%	**77.6**	**78.4**	**80.4**	**80.7**	**80.0**	**80.8**

3. Quantity and Value of Crude oil imports

Petroleum & Natural Gas Sector	**Quantity (MMT)**	**$ Million**	**Rs. Crore**
2014-15 (Actuals)	189.43	1,12,748	6,87,369
2015-16 (Estimated)	188.23	88,203	5,48,655

* Note: April-May 2015 imports are based on actuals and for June 2015 to March 2016, the imports are estimated at $65/bbl and Rs. 62/$:

Impact of variation in Crude oil price & Exchange rate on Crude oil imports for June 15- March 16:

- If Crude prices increases by One $/bbl - Net Import bill increases by Rs. 7,096 crores ($ 1.14 bn)
- If Exchange rate of $ increases by Rs. 1/$ - Net Import bill increases by Rs. 7,440 crores ($ 1.18 bn)

4. Indigenous Crude Oil Production (Million Metric Tonne)

Details	**2013-14**	**2014-15** (P)	**May**		**April-May**	
			2014	**2015** (P)	**2014**	**2015** (P)
ONGC	19.2	18.6	1.6	1.6	3.1	3.1
OIL	3.5	3.4	0.3	0.3	0.6	0.6
Private / JVs	12.0	11.7	1.0	1.0	2.0	1.9
Total Crude Oil	**34.7**	**33.8**	**2.9**	**2.9**	**5.7**	**5.6**
Condensate	3.1	3.7	0.3	0.3	0.5	0.6
Total (Crude Oil + Condensate) (MMT)	**37.8**	**37.5**	3.2	3.2	6.3	6.2
Total (Crude Oil + Condensate) (Million Barrels)	277.04	274.7	23.2	23.4	46.0	45.5

5. Self Sufficiency in Petroleum Products (Million Metric Tonnes)

Details	**2013-14** **(P)**	**2014-15** **(P)**	**May**		**April-May**	
			2014	**2015 (P)**	**2014**	**2015 (P)**
1. Indigenous Crude Oil Processing :	33.9	34.3	2.7	2.8	5.4	5.5
a) Products from Indigenous Crude *(93.3% of crude oil processed)*	31.6	32.0	2.5	2.6	5	5.1
b) Products from Fractionators (Including LPG and Gas)	3.8	3.7	0.3	0.3	0.6	0.6
2. Total Production from Indigenous Crude & Condensate **(a + b)**	35.5	35.6	2.9	2.9	5.6	5.7
3. Total Domestic Consumption	158.4	165.0	14.7	15.1	28.1	29.7
% Self Sufficiency (2 / 3)	**22.4%**	**21.6%**	**19.6%**	**19.3%**	**20.0%**	**19.2%**

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

Year	**2013-14**	**2014-15** **(P)**	**May**		**April-May**	
			2014	**2015 (P)**	**2014**	**2015 (P)**
Total Domestic (MMTOE)	73.2	71.2	6.1	6.1	12.0	11.7
Overseas production of OVL (MMTOE)	8.4	8.9	0.8	0.8	1.5	1.5
Overseas Production as % of Domestic	11.4%	12.5%	12.6%	12.8%	12.8%	12.9%

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

Prognosticated CBM Resources	92	TCF
Established CBM resources	9.9	TCF
Total available Coal bearing area	26000	Sq. KM
Exploration Initiated	17200	Sq. KM
Blocks Awarded	33	Nos.
Commercial production of CBM gas (April 2015)	**29.984**	**MMSCM**

8. Refineries: Installed Capacity and Crude Oil Processing (MMTPA / MMT)

Com-pany	Refinery	Installed Capacity (1.4.2015)	Crude Oil Processing					
			2013-14 (P)	2014-15 (P)	May		April-May	
					2014	2015 (P)	2014	2015 (P)
IOCL	Barauni (1964)	6.0	6.5	6.0	0.6	0.5	1.1	1.0
	Koyali (1965)	13.7	13.0	13.3	1.2	1.2	2.3	1.8
	Haldia (1975)	7.5	8.0	7.7	0.7	0.7	1.3	1.3
	Mathura (1982)	8.0	6.60	8.5	0.8	0.7	1.5	1.4
	Panipat (1998)	15.0	15.1	14.2	0.8	1.4	2.1	2.7
	Guwahati (1962)	1.0	1.0	1.0	0.1	0.1	0.2	0.2
	Digboi (1901)	0.7	0.7	0.6	0.1	0.1	0.1	0.1
	Bongaigaon (1979)	2.4	2.3	2.4	0.2	0.2	0.4	0.5
	IOCL TOTAL	**54.2**	**53.1**	**53.6**	**4.3**	4.8	**8.9**	8.9
HPCL	Mumbai (1954)	6.5	7.7	7.4	0.3	0.4	0.9	1.0
	Vizag (1957)	8.3	7.8	8.8	0.6	0.8	1.2	1.5
HMEL	Bhatinda (2012)	9.0	9.3	7.3	0.9	0.9	1.7	1.8
	HPCL-TOTAL	**23.8**	**24.8**	**23.5**	**1.8**	2.2	**3.8**	4.3
BPCL	Mumbai (1955)	12.0	12.7	12.8	1.0	1.2	1.8	2.3
	Kochi (1966)	9.5	10.3	10.4	0.7	0.9	1.6	1.8
BORL	Bina (2011)	6.0	5.4	6.2	0.4	0.6	0.9	0.6
	BPCL-TOTAL	**27.5**	**28.4**	**29.4**	**2.2**	**2.7**	**4.0**	**4.7**

Com-pany	**Refinery**	**Installed Capacity** (1.4.2015)	**Crude Oil Processing**					
			2013-14 (P)	**2014-15** (P)	**May**		**April-May**	
					2014	**2015** (P)	**2014**	**2015** (P)
CPCL	Manali (1969)	10.5	10.1	10.3	0.9	0.9	1.8	1.8
	CBR (1993)	1.0	0.6	0.5	0.1	0.04	0.1	0.1
	CPCL-TOTAL	**11.5**	**10.7**	**10.8**	**1.0**	1.0	**1.9**	1.9
NRL	Numaligarh (2000)	3.0	2.6	2.8	0.3	0.2	0.5	0.2
ONGC	Tatipaka (2001)	0.1	0.1	0.05	0.003	0.004	0.01	0.01
MRPL	Mangalore (1996)	15.0	14.6	14.6	1.0	1.3	2.1	2.4
	ONGC TOTAL	**15.1**	**17.3**	**14.7**	**1.0**	1.3	**2.1**	2.5
RIL	Jamnagar (DTA) (1999)	33.0	30.3	30.9	2.8	2.7	4.6	4.8
	Jamnagar (SEZ) (2008)	27.0	37.7	37.2	3.2	3.1	6.4	6.1
EOL	Vadinar (2006)	20.0	20.2	20.5	1.7	1.8	3.4	3.5
All India		**215.1**	**222.4**	**223.3**	**18.3**	**19.7**	**35.9**	**36.8**

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

	Type of crude	**2013-14** (P)	**2014-15** (P)	**May**		**April-May**	
				2014	**2015** (P)	**2014**	**2015** (P)
1	HS Crude	160.2	161.4	13.4	14.2	26.3	26.7
2	LS Crude	62.2	61.9	4.8	5.5	9.6	10.1
Total Crude		222.5	223.3	18.3	**19.8**	**35.9**	**36.8**
Share of HS Crude of total crude processing		**72.0%**	**72.3%**	**73.5%**	**72.3%**	**73.3%**	**72.5%**

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

Company	Refinery	2011-12	2012-13	2013-14	2014-15
IOCL	Barauni	0.39	2.40	6.68	-1.20
	Koyali	5.07	4.61	4.52	4.79
	Haldia	2.38	0.85	2.84	-1.51
	Mathura	0.59	0.55	2.10	-2.19
	Panipat	4.39	3.34	3.62	-1.97
	Guwahati	11.94	9.52	6.38	8.68
	Digboi	14.85	20.81	15.41	13.73
	Bongaigaon	6.25	5.26	6.71	-0.26
	Average	**3.63**	**3.16**	**4.24**	**0.27**
BPCL	Kochi	3.09	5.36	4.80	3.17
	Mumbai	1.73	4.67	3.95	3.97
	Average	**2.29**	**4.97**	**4.33**	**3.62**
HPCL	Mumbai	1.74	2.08	5.38	4.88
	Visakhapatnam	2.95	2.08	1.50	1.12
	Average	**2.39**	**2.08**	**3.43**	**2.84**
CPCL	Chennai	4.16	0.99	4.08	1.97
MRPL	Mangalore	5.60	2.45	2.67	-0.64
NRL	Numaligarh	12.45	10.52	12.09	16.67
BORL	Bina	-	7.00	7.70	6.10
RIL	Jamnagar	8.60	9.20	8.10	8.60
Essar	Vadinar	4.23	7.96	7.98	8.37

11. GRM of North East Refineries excluding Excise Duty Benefit ($/bbl)

Company	Refinery	2011-12	2012-13	2013-14	2014-15
IOCL	Guwahati	3.73	3.43	0.88	0.96
	Digboi	6.41	13.25	8.50	5.42
	Bongaigaon	0.56	0.25	2.34	-6.51
NRL	Numaligarh	5.80	4.83	6.98	9.46

12. Natural Gas at a Glance

(MMSCM)

	2013-14 (P)	2014-15 (P)	May		April-May	
			2014	2015 (P)	2014	2015 (P)
Gross Production	35390.99	33662.91	2942.77	2852.21	5713.33	5521.91
Net Production (Excluding Flair Gas)	34554.74	32694.40	2874.04	2756.85	5574.16	5333.37
LNG Import	17727.99	18535.70	**1538.20**	**1451.94**	**3149.01**	**2924.62**
Total Consumption (Net Production + Import)	52282.73	51230.10	**4412.24**	**4208.79**	**8723.17**	**8257.99**
Total Consumption (in BCM)	52.28	51.23	**4.41**	**4.20**	**8.72**	**8.25**

13. Consumption of Petroleum Products (Million Metric Tonnes)

Products	May 2014		May 2015 $^{(P)}$		April-May 2014		April-May 2015 $^{(P)}$	
	Production	Consumption	Production	Consumption	Production	Consumption	Production	Consumption
LPG	0.7	1.4	0.8	1.5	1.5	2.8	1.6	3.0
MS	2.6	1.7	2.9	1.8	5.1	3.2	5.1	3.6
NAPHTHA	1.5	1.0	1.5	1.2	3.0	1.9	2.9	2.2
ATF	0.8	0.5	0.8	0.5	1.6	0.9	1.4	1.0
SKO	0.6	0.6	0.6	0.6	1.3	1.2	1.1	1.1
HSD	8.0	6.5	8.7	6.4	15.3	12.4	15.8	12.9
LDO	0.03	0.03	0.03	0.02	0.1	0.1	0.1	0.1
LUBES	0.04	0.2	0.1	0.3	0.1	0.5	0.2	0.5
FO/LSHS	1.0	0.5	1.0	0.5	2.0	1.0	1.8	1.0
BITUMEN	0.5	0.6	0.5	0.5	1.1	1.1	1.0	1.1
OTHERS	2.6	1.6	2.6	1.7	4.7	3.1	5.0	3.3
ALL INDIA	**18.4**	**14.7**	**19.5**	**15.1**	**35.7**	**28.1**	**35.9**	**29.7**
Growth (%)			**5.4%**	**2.9%**			**0.6%**	**5.7%**

14. LPG Consumption (Thousand Metric Tonne)

LPG Category	2013-14	2014-15 (P)	May			April-May		
			2014	2015 (P)	Gr (%)	2014	2015 (P)	Gr (%)
LPG-Packed Domestic	14411.6	16040.4	1276.4	1321.6	3.5	2488.3	2627.5	5.6
LPG-Packed Non-Domestic	1073.6	1051.0	78.1	107.4	37.5	149.2	207.9	39.3
LPG-Bulk	245.7	315.7	24.7	25.8	4.7	42.2	49.0	16.1
Auto LPG	194.3	163.8	13.4	14.6	9.4	25.6	28.4	10.9
Direct Private Imports*	368.5	449.4	30.2	39.2	29.8	66.6	75.4	13.2
Total	**16293.6**	**18020.3**	**1422.8**	**1508.6**	**6.0**	**2771.9**	**2988.1**	**7.8**

*May 2015 data prorated on the basis of 2014-15 (April-March) data provided by DGCIS and excluding butane, propane, other C3/C4, etc. imports

15. 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.)**	24405	12809	13233	1400	1491	77	4	**53419**
LPG Distributors (total) **(Nos.)**	7934	4044	3952	0	0	0	0	**15930**
SKO/LDO Agencies **(Nos.)**	3919	1005	1638	0	0	0	0	**6562**
LPG Bottling **(TMTPA)**	7812	3165	3057	0	0	0	10	**14044**
Rural ROs **(Nos.)**	6230	2184	2664	108	385	9	0	**11580**
RGGLVY **(Nos.)**	2096	1182	1164	0	0	0	0	**4442**
LPG Consumers **(Nos. crore)**	8.88	4.58	4.73	0	0	0	0	**18.19**

16. Major Pipeline network

Nature of Pipeline		GAIL	Reliance	GSPCL	AGC	IOCL	ONGC	Total
Natural Gas	Length (KM)	10977	1469	2197.7	1000	140.41	24	**15808.00**
(as on 1.4.2015)	Cap (MMSCMD)	206	80	43	6	9.5	6	**350.50**

		ONGC	OIL	Cairn	HMEL	IOCL	BPCL	HPCL	Other	Total
Crude Oil	Length (KM)	1214	1193	670	1017	4448	937	-	-	**9479**
(as on 1.4.2015)	Cap (MMTPA)	60.06	8.4	8.7	9	40.4	6	-	-	**132.56**
Products	Length (KM)	-	654	-	-	6633	1935	2514	2687	**14423**
(as on 1.4.2015)	Cap (MMTPA)	-	1.7	-	-	40.09	14.94	23.57	9.27	**89.57**

***Others** include GAIL and Petronet India*

17. Gas Pipelines under execution / construction

Network/ Region	Entity	Length in KMs	Design Capacity (mmscmd)	Pipeline Size
Kochi - Kottanad - Banglore - Mangalore	GAIL	1104	16	24"/18"/12"
Dabhol -Banglore (DBPL)	GAIL	410	16	36"/30"/24"/18"
Surat - Paradip	GAIL	2112	75	36"/24"/18"
Jagdishpur- Haldia	GAIL	1860	32	
Mallavaram - Bhilwada	GITL	2035	78.25	36"/30"/24"/18"
Mehsana - Bhatinda	GIGL	2052	77.11	
Bhatinda -Srinagar	GIGL	725	42	
Kakinada - Srikakulam	APGDC	391	90	
Shadol-Phulpur	RGPL	312	3.5	
Ennore-Nellore	KEI-RSOS PEPL	430	36	
Total		**11397**		

18. Existing and upcoming LNG Terminals as on 31.03.2015

Existing/ Upcoming Terminals	Promotors	Capacity (MMTPA)	Expected Timelines
Dahej	Petronet LNG Ltd (PLL)	15*	Existing
Hazira	Shell	3.6	Existing
Dabhol	RGPPL (GAIL - NTPC JV)	5**	Existing
Kochi	Petronet LNG Ltd (PLL)	5	Existing
Kakinada East Godavari initially FSRU	GAIL + AP Govt. (JV) Proposed	3.5	2016-18
Mundra	Adani & GSPC (Proposed)	5	2016-17
Ennore	IOCL	10***	2017-18
Gangavaram (AP)	PLL	5	2018-19
Mangalore	ONGC + BPCL	2.5	2018-19
Jaigarh (Maharashtra)	H-Energy Gateway Pvt. Limited	8	2018-19

* Existing 10 MMTPA to be increased to 15 MMTPA by 2016-17 ; ** 1.25 MMTPA in Phase-1 without break water, to be increased to 5.0 MMTPA;
*** 5 MMTPA in Phase - 1 to be increased to 10 MMTPA.

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

State	Entity Operating	Geographical Region	CNG Stations	PNG Connections
			(as on 31.3.2015)	(as on 1.5.2015)
Haryana	Haryana City Gas, Adani Gas Limited, Gail Gas Ltd.	Sonepat, Faridabad, Gurgaon	16	23789
Andhra Pradesh, Telangana	Bhagyanagar Gas Ltd	Kakinada, Hyderabad, Vijaywada, Rajamundry	32	3285
Assam	Assam Gas Co. Ltd	Tinsukia, Dibrugarh, Sibsagar, Jorhat, Golaghat	00	28154
Gujarat	Sabarmati Gas Ltd, GSPC Gas Co. Ltd, Adani Gas Ltd , Vadodara Mahanagar Seva Sadan, GAIL, GAIL Gas, HPCL, Gujarat Gas Co. Ltd, Charotar Gas Sahakari Mandali Ltd	Ghandhinagar, Mehsana, Sabarkantha, Nadiad, Halol, Hazira, Rajkot, Khambhat, Palej, Valsad, Navsari, Surendernagar, Vadodara, Ahmedabad, Surat, Ankeleswar & Bhavnagar, Anand	349	1400132
Madhya Pradesh	Avantika Gas Ltd, GAIL Gas Ltd	Dewas, Vijaipur, Indore including Ujjain, Gwalior	20	3297
New Delhi	Indraprastha Gas Ltd	National Capital Territory of Delhi (Including Noida & Ghaziabad)	326	562332
Rajasthan	GAIL Gas Ltd	Kota	3	180

State	Entity Operating	Geographical Region	CNG Stations	PNG Connections
			(as on 31.3.2015)	(as on 1.5.2015)
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	211	824769
Tripura	Tripura Natural Gas Co. Ltd	Agartala	5	18252
West Bengal	GEECL	Kolkata	7	00
Uttar Pradesh	GAIL Gas Ltd, Sanwariya Gas, Green Gas , Central U.P. Gas , Siti Energy Ltd	Meerut, Mathura, Agra, Kanpur, Bareilly, Lucknow, Moradabad, Ferozabad	40	23511
		Total	**1009**	**2887701**

20. Information on Prices, Taxes and Under-recoveries

Sales & profit of Petroleum Sector (Rs. Crores)

2014-15	Turnover	PAT
Upstream Companies	147,942	23,282
Downstream Cos.	880,676	13,091
Standalone Refineries	109,163	-1,033
Private/JVs	471,477	25,087

Customs & Excise Duty rates

	Customs duty	Excise duty
Crude oil	Nil+Rs.50/MT as NCCD	NIL+Rs.4500/ MT Cess + Rs. 50/ MT NCCD
Petrol	2.50%	Rs.17.46/Ltr
Diesel	2.50%	Rs.10.26/Ltr
PDS SKO	Nil	NIL
Non PDS SKO	5%	14%
Sub. Dom LPG	Nil	Nil
Non Domestic LPG	5%	8%
Furnace Oil	5%	14%
Naphtha	5%	14%
ATF	NIL	8%

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

	Petrol	Diesel
Price before taxes and dealer comm.	35.57	32.87
Central taxes	18.14	10.89
State taxes	11.15	5.91
Dealer comm.	2.07	1.26
Retail Selling Price	66.93	50.93
	PDS SKO*	**Sub. Dom LPG**
Price before taxes and dealer comm.	13.55	581.64
Central taxes	0	0
State taxes	0.44	0
Dealer comm.	1.15	44.88
Retail Selling Price	15.14	626.50

*At Mumbai, other products 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	1,210	1,200

20. Information on Prices, Taxes and Under-recoveries

Under-recoveries & Burden Sharing

Per unit under-recovery (Rs./litre/Cylinder)

	2012-13	2013-14	2014-15
Diesel	11.26	8.39	2.70*
PDS SKO	31.16	33.98	27.93
Sub. Dom LPG	427.14	499.52	409.72

Total Under-recoveries (Rs. Crores)

	2012-13	2013-14	2014-15
Diesel	92,061	62,837	10,935*
PDS SKO	29,410	30,574	24,799
Sub. Dom LPG	39,558	46,458	36,580
Total	161,029	139,869	72,314

Burden Sharing (Rs. Crores)

	2012-13	2013-14	2014-15
Government	100,000	70,772	27,308
Upstream	60,000	67,021	42,822
OMCs	1,029	2,076	2,184

Fiscal Subsidy under Govt. Schemes (Rs. Crores)

PDS SKO	746	681	**
Sub. Dom LPG	2,007	1,920	**

* Deregulated w.e.f. 19th October 2014

**Scheme was extended till 31.3.2015.

International Prices/ Exchange rates ($/bbl)

	2012-13	2013-14	2014-15
Crude (Indian Basket)	107.97	105.52	84.16
Petrol	118.98	114.31	95.45
Diesel	121.97	119.41	96.64
Kerosene	123.11	118.80	96.98
LPG ($/MT)	885.20	880.49	683.87
FO ($/MT)	632.52	595.79	471.99
Naphtha ($/MT)	888.49	881.30	717.44
Exchange (Rs./$)	54.45	60.50	61.15

Borrowings of OMCs (Rs. Crores)

	2012-13	2013-14	2014-15
IOCL	80,894	86,263	55,248
BPCL	23,839	20,322	13,098
HPCL	33,789	32,164	20,335

Petroleum Sector Contribution to Central/State Govt.

	2012-13	2013-14	Apr-Dec’14
Central Government	142,626	152,900	108,220
State Governments	136,034	152,460	118,621
Total (Rs. Crores)	278,660	305,360	226,841

Subsidy as a % of GDP

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

21. Conversion Factors and Volume Conversion

Weight to Volume Conversion

Product	Weight (MT)	Volume (KL)	Barrel (bbl)
LPG	1	1.844	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	7.90
Light Diesel Oil (LDO)	1	1.0720	6.75
Furnace Oil (FO)	1	1.0424	6.55
Crude Oil	1	1.1700	7.33

Volume Conversion

From	To
1 bbl (British Barrel)	159 litres
1 bbl (British Barrel)	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	4128 SCM/day
1 MT of LNG	1314 SCM	Power generation from 1 MMSCMD of gas	242 MW