Ready Reckoner

Snapshot of India's Oil & Gas data

October, 2015

Analysis • Knowledge • Information

Petroleum Planning & Analysis Cell

(Ministry of Petroleum & Natural Gas)

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Highlights

•	Diesel Hydrodesulphurization Unit (DHDS); Hydrogen Generation Unit (HGU) and sulphur Recovery Unit (SRU) at IOCL Bongaigaon were under shutdown effective 23.10.2015 for 25 days.
•	Crude Distillation Unit (CDU-1) and Fluid Catalytic Cracking Unit (FCCU) at BPCL Kochi were under shutdown effective 05.10.2015 for 15 days.
•	All units at Essar Oil were under shutdown effective 17.9.2015 for 30 days.
•	The consumption of all petroleum products continued to register a good growth of 17.5% in October, 2015 as compared to that in October, 2014. Except for SKO, all other products recorded a positive growth. On cumulative basis, a growth of 9.9% was registered for the period April-October, 2015.
•	There has been a growth of 14.5% in the consumption of MS during October, 2015 as compared to October, 2014 and a cumulative growth of 14.2 % for the period April to October, 2015.
•	HSD consumption in the country recorded a robust growth of 16.3% during the month of October, 2015 and cumulative growth of 7.1% was registered in April-October 2015.
•	LPG Consumption, continuously for the last 26 months in a row recorded a positive growth of 12.5% during October 2015 and a cumulative growth of 8.5% for the period April -October 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	252.68 4th AE	124.05 1st AE
		Growth %	-0.8	3.1	-4.6	3.1*
4	Gross Fiscal Deficit	%	-4.9	-4.4	-4.1 (RE)	-3.9 (BE)

	Economic Indicators	Unit/Base	2013-14	2014-15	October		April-October	
					2014	2015	2014	2015
5	Index of Industrial Production@	Growth %	-0.1	2.8	2.6	3.6	2.9	4.0
6	Imports	$ Billion	450.2	447.5	39.5	31.1	273.6	232.1
7	Exports	$ Billion	314.4	310.5	25.9	21.4	187.3	154.3
8	Trade Balance	$ Billion	-135.8	-137.0	-13.6	-9.8	-86.3	-77.8
9	Foreign Exchange Reserves	$ Billion	303.7	341.4	315.9	353.6		

@ IIP is for the month of September 2015 ; NS-New Series; PE-Provisional Estimates ; AE-Advanced Estimates; RE-Revised Estimates; BE-Budget Estimates * compared to first AE of 2014-15

2. Import Dependency								
Petroleum & Natural Gas Sector		Unit/ Base	2013-14	2014-15	October		April-October	
					2014	2015 (P)	2014	2015 (P)
1	Crude Oil Production In India	MMT	37.8	37.5	3.2	3.2	21.8	21.8
2	Consumption of Petroleum Products	MMT	158.4	165.5	13.0	15.2	94.1	103.4
3	Production of Petroleum Products	MMT	220.3	220.7	19.0	18.4	128.2	130.1
4	Imports & Exports:							
	Crude Oil Imports	MMT	189.2	189.4	16.2	15.6	110.4	114.9
		$ Billion	143.0	112.7	10.1	5.0	80.1	43.6
	Petroleum Products (POL) Imports	MMT	16.7	21.3	1.5	2.3	12.0	16.5
		$ Billion	12.2	12.1	1.0	0.8	8.0	6.5
	Gross Petroleum Imports (Crude + POL)	MMT	205.9	209.8	17.7	17.9	122.5	131.4
		$ Billion	155.2	124.5	11.0	5.8	88.1	50.0
	Petroleum Products Exports	MMT	67.9	63.9	6.1	4.4	37.1	33.6
		$ Billion	60.7	47.3	4.5	2.1	32.2	17.3
5	Petroleum Imports as % of India's Gross Imports	%	34.5	27.8	27.8	18.6	32.2	21.5
6	Petroleum Exports as % of India's Gross Exports	%	19.3	15.2	17.4	9.8	17.2	11.2
7	Import Dependency (On Consumption)	%	77.6	78.5	77.7	80.5	78.1	80.0

3. 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	73,286	4,72,932

* Note: April-October 2015 imports are based on actuals and for November 2015 to March 2016, the imports are estimated at$55/bbl and Rs. 65/$:

Impact of variation in Crude oil price & Exchange rate on Crude oil imports for November 2015- March 2016:

If Crude prices increased by One $/bbl - Net Import bill increases by Rs. 3,513 crores ($ 0.54 bn)

If exchange rate of $ increases by Rs. 1/$ - Net Import bill increases by Rs. 2,972 crores ($ 0.46 bn)

4. Indigenous Crude Oil Production (Million Metric Tonne)						
Details	**2013-14**	**2014-15**	**October**		**April-October**	
			2014	**2015 (P)**	**2014**	**2015 (P)**
ONGC	19.2	18.6	1.6	1.6	10.9	10.9
OIL	3.5	3.4	0.3	0.3	2.0	1.9
Private / JVs	12.0	11.7	1.0	1.0	6.8	6.8
Total Crude Oil	**34.7**	**33.8**	**2.9**	**2.9**	**19.8**	**19.6**
Condensate	3.1	3.7	0.3	0.3	2.0	2.2
Total (Crude Oil + Condensate) (MMT)	**37.8**	**37.5**	**3.2**	**3.2**	**21.8**	**21.8**
Total (Crude Oil + Condensate) (Million Barrels)	277.04	274.7	23.6	23.1	160.0	160.0

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

Details	2013-14	2014-15	October		April-October	
			2014	2015 (P)	2014	2015 (P)
1. Indigenous Crude Oil Processing :	33.9	34.2	2.8	2.8	19.8	20.1
a) Products from Indigenous Crude *(93.3% of crude oil processed)*	31.6	32.0	2.6	2.7	18.5	18.7
b) Products from Fractionators (Including LPG and Gas)	3.8	3.7	0.3	0.3	2.2	2.0
2. Total Production from Indigenous Crude & Condensate **(a + b)**	35.5	35.6	2.9	3.0	20.6	20.7
3. Total Domestic Consumption	158.4	165.5	13.0	15.2	94.1	103.4
% Self Sufficiency (2 / 3)	**22.4%**	**21.5%**	**22.3**	**19.5**	**21.9**	**20.0**

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

Year	2013-14	2014-15 (P)	October		April-October	
			2014	2015 (P)	2014	2015 (P)
Total Domestic (MMTOE)	73.2	71.2	6.1	6.0	41.5	41.0
Overseas production of OVL (MMTOE)	8.4	8.9	0.728	0.771	5.025	5.224
Overseas Production as % of Domestic	11.5%	12.5%	11.9%	12.9%	12.1%	12.7%

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 (October 2015)	**30.720**	**MMSCM**

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**	**October**		**April-October**	
					2014	**2015 (P)**	**2014**	**2015 (P)**
IOCL	Barauni (1964)	6.0	6.5	5.9	0.5	0.6	3.7	3.7
	Koyali (1965)	13.7	13.0	13.3	1.2	1.3	7.8	7.8
	Haldia (1975)	7.5	8.0	7.7	0.6	0.5	4.5	4.3
	Mathura (1982)	8.0	6.6	8.5	0.7	0.8	4.9	5.0
	Panipat (1998)	15.0	15.1	14.2	1.3	1.3	7.9	8.7
	Guwahati (1962)	1.0	1.0	1.0	0.1	0.1	0.6	0.6
	Digboi (1901)	0.7	0.7	0.6	0.1	0.05	0.4	0.3
	Bongaigaon (1979)	2.4	2.3	2.4	0.2	0.2	1.3	1.5
	IOCL TOTAL	**54.2**	**53.1**	**53.6**	**4.7**	**4.7**	**30.9**	**32.0**
HPCL	Mumbai (1954)	6.5	7.7	7.4	0.6	0.7	4.0	4.4
	Visakh (1957)	8.3	7.8	8.8	0.5	0.8	4.8	5.1
HMEL	Bhatinda (2012)	9.0	9.3	7.3	0.9	0.9	3.4	6.4
	HPCL-TOTAL	**23.8**	**24.8**	**23.5**	**1.9**	**2.5**	**12.2**	**15.9**
BPCL	Mumbai (1955)	12.0	12.7	12.8	1.0	1.1	7.1	7.7
	Kochi (1966)	9.5	10.3	10.4	0.9	0.7	6.2	6.1
BORL	Bina (2011)	6.0	5.4	6.2	0.6	0.6	3.5	3.7
	BPCL-TOTAL	**27.5**	**28.4**	**29.4**	**2.5**	**2.4**	**16.8**	**17.5**

Com-pany	Refinery	Installed Capacity (1.4.2015)	Crude Oil Processing					
			2013-14	2014-15	October		April-October	
					2014	2015 (P)	2014	2015 (P)
CPCL	Manali (1969)	10.5	10.1	10.3	0.8	0.6	5.9	5.2
	CBR (1993)	1.0	0.6	0.5	0.04	0.04	0.3	0.3
	CPCL-TOTAL	**11.5**	**10.7**	**10.8**	**0.8**	**0.7**	**6.2**	**5.6**
NRL	Numaligarh (2000)	3.0	2.6	2.8	0.2	0.2	1.7	1.4
ONGC	Tatipaka (2001)	0.1	0.1	0.05	0.003	0.005	0.03	0.03
MRPL	Mangalore (1996)	15.0	14.6	14.6	1.2	1.0	7.9	8.3
	ONGC TOTAL	**15.1**	**14.7**	**14.7**	**1.2**	**1.0**	**7.9**	**8.3**
RIL	Jamnagar (DTA) (1999)	33.0	30.3	30.9	2.8	2.8	18.1	18.6
	Jamnagar (SEZ) (2008)	27.0	37.7	37.2	3.2	3.3	22.0	21.2
EOL	Vadinar (2006)	20.0	20.2	20.5	1.7	0.8	11.9	10.4
All India		**215.1**	**222.4**	**223.3**	**19.1**	**18.3**	**127.8**	**130.9**

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

	Type of crude	2013-14	2014-15	October		April-October	
				2014	2015 (P)	2014	2015 (P)
1	HS Crude	160.2	161.4	14.2	12.3	92.0	93.1
2	LS Crude	62.2	61.9	4.9	6.0	35.8	37.8
Total Crude		**222.5**	**223.3**	**19.1**	**18.3**	**127.8**	**130.9**
Share of HS Crude of total crude processing		**72.0%**	**72.3%**	**74.5**	**67.1**	**72.0**	**71.1**

10. Gross Refining Margins (GRM) of Refineries ($/bbl)					
Company	**Refinery**	**2012-13**	**2013-14**	**2014-15**	**April-Sept, 2015**
IOCL	Barauni	2.40	6.68	-1.20	4.79
	Koyali	4.61	4.52	4.79	6.38
	Haldia	0.85	2.84	-1.51	4.65
	Mathura	0.55	2.10	-2.19	4.54
	Panipat	3.34	3.62	-1.97	4.88
	Guwahati	9.52	6.38	8.68	14.31
	Digboi	20.81	15.41	13.73	15.59
	Bongaigaon	5.26	6.71	-0.26	11.64
	Average	**3.16**	**4.24**	**0.27**	**5.76**
BPCL	Kochi	5.36	4.80	3.17	7.18
	Mumbai	4.67	3.95	3.97	5.39
	Average	**4.97**	**4.33**	**3.62**	**6.20**
HPCL	Mumbai	2.08	5.38	4.88	6.08
	Visakhapatnam	2.08	1.50	1.12	4.91
	Average	**2.08**	**3.43**	**2.84**	**5.45**
CPCL	Chennai	0.99	4.08	1.97	5.99
MRPL	Mangalore	2.45	2.67	-0.64	3.56
NRL	Numaligarh	10.52	12.09	16.67	22.09
BORL	Bina	7.00	7.70	6.10	12.80
RIL	Jamnagar	9.20	8.10	8.60	10.50
Essar	Vadinar	7.96	7.98	8.37	10.25

11. GRM of North East Refineries excluding Excise Duty Benefit ($/bbl)					
Company	**Refinery**	**2012-13**	**2013-14**	**2014-15**	**April-Sept, 2015**
IOCL	Guwahati	3.43	0.88	0.96	0.41
	Digboi	13.25	8.50	5.42	4.57
	Bongaigaon	0.25	2.34	-6.51	2.20
NRL	Numaligarh	4.86	6.98	9.46	9.00

12. Natural Gas at a Glance						
						(MMSCM)
	2013-14	**2014-15**	**October**		**April-October**	
			2014	**2015 (P)**	**2014**	**2015 (P)**
Gross Production	35390.99	33662.91	2853.50	2795.03	19664.38	19247.11
Net Production (Excluding Flare Gas)	34554.74	32694.40	2766.15	2704.11	19126.76	18551.44
LNG Import	17727.99	18535.70	**1834.46**	**1907.30**	**11308.23**	**12140.45**
Total Consumption (Net Production + Import)	52282.73	51230.10	**4600.61**	**4611.41**	**30434.99**	**30691.89**
Total Consumption (in BCM)	**52.28**	**51.23**	**4.60**	**4.61**	**30.43**	**30.69**

13. Consumption of Petroleum Products (Million Metric Tonnes)

Products	October 2014		October 2015 (P)		April-October 2014		April-October 2015(P)	
	Production	Consumption	Production	Consumption	Production	Consumption	Production	Consumption
LPG	0.8	1.5	0.8	1.7	6.3	10.0	5.8	10.9
MS	2.8	1.6	3.0	1.9	18.5	11.0	19.9	12.6
NAPHTHA	1.5	0.8	1.3	1.0	10.8	6.4	9.9	7.8
ATF	1.1	0.5	0.8	0.5	6.1	3.3	6.3	3.5
SKO	0.7	0.6	0.6	0.6	4.6	4.1	4.4	4.0
HSD	8.0	5.5	7.8	6.3	54.1	39.8	55.6	42.6
LDO	0.03	0.02	0.04	0.03	0.2	0.2	0.2	0.2
LUBES	0.07	0.2	0.08	0.3	0..5	2.0	0.6	1.8
FO/LSHS	1.0	0.4	0.9	0.5	7.2	3.4	6.5	3.7
BITUMEN	0.3	0.3	0.4	0.5	2.5	2.6	2.6	2.9
OTHERS	2.7	1.5	2.6	1.9	17.5	11.3	18.4	13.5
ALL INDIA	**19.0**	**13.0**	**18.4**	**15.2**	**128.2**	**94.1**	**130.1**	**103.4**
Growth (%)			**-2.9**	**17.5%**			**1.5%**	**9.9%**

14. LPG Consumption (Thousand Metric Tonne)

LPG Category	2013-14	2014-15	October			April-October		
			2014	2015 (P)	Gr (%)	2014	2015 (P)	Gr (%)
LPG-Packed Domestic	14411.6	16040.4	1334.8	1473.7	10.4	8951.6	9576.0	7.0
LPG-Packed Non-Domestic	1073.6	1051.0	81.1	134.8	66.3	551.8	786.9	42.6
LPG-Bulk	245.7	315.7	28.1	31.2	10.9	189.5	189.1	-0.2
Auto LPG	194.3	163.8	13.4	14.3	7.0	92.7	99.7	7.5
Direct Private Imports*	368.5	429.2	41.6	32.9	-20.9	242.8	230.3	-5.2
Total	**16293.6**	**18000.0**	**1498.9**	**1689.9**	**12.5**	**10028.4**	**10881.9**	**8.5**

Note: April-August 2015 data as per DGCIS. September-October 2015 data prorated on the basis of 2015-16 (April-August) data

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	76	4	**53418**
LPG Distributors (total) **(Nos.)**	7934	4044	3952	0	0	0	0	**15930**
SKO/LDO Agencies **(Nos.)**	3919	1001	1638	0	0	0	0	**6558**
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)	11070	1469	2355	1000	140	24	**16058**
(as on 30.09,2015)	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**

***Other** includes GAIL and Petronet India*

** 94 KM of ONGC's crude pipeline is either "not in use" or in "standby" condition. This length is not included above.*

17. Gas Pipelines under execution / construction

Network/ Region	Entity	Length in KMs	Design Capacity (mmscmd)	Pipeline Size
Kochi-Kottanad-Bengaluru-Mangalore	GAIL	1104	16	24"/18"/12"
Dabhol -Bengaluru (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 30.09.2015

Existing/ Upcoming Terminals	Promotors	Capacity (MMTPA)	Expected Timelines	Capacity Utilisation in % in 2014-15
Dahej	Petronet LNG Ltd (PLL)	Existing 10 to be increased to 15 by 2016-17	Existing	108.90
Hazira	Shell	5	Existing	67
Dabhol	RGPPL (GAIL - NTPC JV)	1.25 in phase-1 without break water to be increased to 5.0	Existing	75
Kochi	Petronet LNG Ltd (PLL)	5	Existing	3.41
Kakinada East Godavari (FSRU)	GAIL + AP Govt. (JV) Proposed	3.5	2017-18	-
Mundra	Adani & GSPC (Proposed)	5	2016-17	-
Ennore	IOCL	5 in phase 1 to be increased to 10	2017-18	-
Gangavaram (AP)	PLL	5	2018-19	-
Mangalore	ONGC + BPCL	2.5	2018-19	-
Jaigarh (Maharashtra)	H-Energy Gateway Pvt. Ltd	8	2018-19	-

19. 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 1.10.2015)**
Haryana	Haryana City Gas, Adani Gas Limited, Gail Gas Ltd.	Sonepat, Faridabad, Gurgaon	20	25,894
Andhra Pradesh, Telangana	Bhagyanagar Gas Ltd	Kakinada, Hyderabad, Vijaywada, Rajamundry	32	3,748
Assam	Assam Gas Co. Ltd	Tinsukia, Dibrugarh, Sibsagar, Jorhat, Golaghat	00	28,889
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	Gandhinagar, Mehsana, Sabarkantha, Nadiad, Halol, Hazira, Rajkot, Khambhat, Palej, Valsad, Navsari, Surendernagar, Vadodara, Ahmedabad, Surat, Ankaleshwar & Bhavnagar, Anand	361	1,433,487
Madhya Pradesh	Avantika Gas Ltd, GAIL Gas Ltd	Dewas, Vijaipur, Indore including Ujjain, Gwalior	21	4,311
New Delhi	Indraprastha Gas Ltd	National Capital Territory of Delhi (Including Noida & Ghaziabad)	324	600,522
Rajasthan	GAIL Gas Ltd	Kota	3	189

State	Entity Operating	Geographical Region	CNG Stations	PNG Connections
			(as on 30.9.2015)	(as on 1.10.2015)
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	212	854,950
Tripura	Tripura Natural Gas Co. Ltd	Agartala	5	19,747
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	41	28,737
		Total	**1,026**	**3,000,474**

20. Information on Prices, Taxes and Under-recoveries

Sales & profit of Petroleum Sector (Rs. Crores)

April-Sept. 2015	Turnover	PAT
Upstream Companies(PSU)	75,014	12,617
Downstream Companies(PSU)	378,187	10,768
Standalone Refineries(PSU)	41,120	478
Private (RIL&EOL)	187,639	13,954

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.19.06/Ltr
Diesel	2.50%	Rs.10.66/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.	27.02	27.28
Central taxes	19.56	11.18
State taxes	12.21	6.91
Dealer comm.	2.27	1.43
Retail Selling Price	61.06	46.80
	PDS SKO*	**Sub. Dom LPG**
Price before taxes and dealer commission	13.56	500.33
Central taxes	0	0
State taxes	0.44	0
Dealer commission	1.24	44.88
Retail Selling Price	15.24	545.00
Less cash compensation under DBTL		127.18
Effective cost to consumer after subsidy		417.82

* SKO at Mumbai as on 1st Nov., 2015. Petrol and diesel at Delhi as on 16th Nov.. 2015 and LPG as on 1st Nov. 2015.

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

(Rs. Crores)	Rs.1/$ Ex. Rate	$1/bbl Crude
Impact on Under-recovery	920	1270

20. Information on Prices, Taxes and Under-recoveries

Under-recoveries & Burden Sharing

	2013-14	2014-15	Apr-Sept`15
Per unit under-recovery (Rs./litre/Cylinder)			
Diesel	8.39	2.70	Deregulated
PDS SKO	33.98	27.93	16.62
Sub. Dom LPG	499.52	409.72	*173.09
Total Under-recoveries including DBTL (Rs. Crores)			
Diesel	62,837	10,935	Deregulated
PDS SKO	30,574	24,799	7,122
Sub. Dom LPG#	50,327	40,551	8,814
Total	143,738	76,285	15,936

Burden Sharing (Rs. Crores)

	2013-14	2014-15	Apr-Sept.`15
Government	74,610	31,279	**13,949
Upstream	67,021	42,822	1,980
OMCs	2,107	2,184	7

Fiscal Subsidy under Govt. Schemes (Rs. Crores)

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

* Avg. of DBTL and U/R towards non-DBTL
# Includes subsidy under DBTL (2013-14: Rs.3869 crore; 2014-15: Rs. 3971 crore ; Apr-Sept.'15: Rs. 8807 crore)
** Govt. compensation pending disbursement Rs. 2554 crore.

International Prices/ Exchange rates ($/bbl)

	2013-14	2014-15	Apr-Sept`15
Crude (Indian Basket)	105.52	84.16	55.79
Petrol	114.31	95.45	72.05
Diesel	119.41	96.64	64.81
Kerosene	118.80	96.98	64.90
LPG ($/MT)	880.49	683.87	416.52
FO ($/MT)	595.79	471.99	297.91
Naphtha ($/MT)	881.30	717.44	472.07
Exchange (Rs./$)	60.50	61.15	64.23

Borrowings of OMCs (Rs. Crores)

	2013-14	2014-15	Apr-Sept`15
IOCL	86,263	55,248	56,633
BPCL	20,322	13,098	16,986
HPCL	32,164	20,335	22,094

Petroleum Sector Contribution to Central/State Govt.

	2013-14	2014-15	Apr-Jun`15
Central Government	152900	172066	47294
State Governments	152460	160554	40250
Total (Rs. Crores)	305360	332620	87544

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	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	4128 SCM/day
1 MT of LNG	1314 SCM	Power generation from 1 MMSCMD of gas	242 MW