

Ready Reckoner

Snapshot of India's Oil & Gas data

August, 2015



Analysis • Knowledge • Information

Petroleum Planning & Analysis Cell

(Ministry of Petroleum & Natural Gas)

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Highlights

<ul style="list-style-type: none">• IOCL Panipat Refinery's shutdown of Once-through Hydro Cracking Unit (OHCU) of 28 days was completed on 21.8.2015.
<ul style="list-style-type: none">• IOCL Mathura Refinery's Diesel Hydro Treating (DHDT) unit was under shutdown for 18 days effective 26.8.2015.
<ul style="list-style-type: none">• IOCL Bongaigaon Refinery's Delayed Coker Unit-1(DCU-I) was under shutdown for 10 days effective 24.8.2015.
<ul style="list-style-type: none">• The consumption of petroleum products has registered a growth of 6.9% in August, 2015 as compared to that in August, 2014. Except for SKO, Lubes, & FO+LSHS, all other products have recorded positive growth during the month. April-August 2015 recorded cumulative growth of 6.7% during April-August, 2015 and except negative growth in SKO, all products recorded positive growth in April-August 2015.
<ul style="list-style-type: none">• LPG Consumption, continuously, for last two years in a row recorded a positive growth with a growth of 7.9% during August 2015 and a cumulative growth of 8.6% for the period April -August 2015 was observed.
<ul style="list-style-type: none">• LPG-Packed Domestic consumption also registered, continuously, a positive growth for the 24th month in a row with a growth of 5.3% during August 2015 and 7.2% growth for the period April-August 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 1 st 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 1 st AE
		Growth %	-0.8	3.1	-4.6	3.1*
4	Gross Fiscal Deficit	%	-4.8	-4.6	-4.1 (RE)	-3.9 (BE)

Economic Indicators		Unit/Base	2013-14	2014-15	August		April-August	
					2014	2015	2014	2015
5	Index of Industrial Production@	Growth %	-0.1	2.8	0.9	4.2	3.6	3.5
6	Imports	\$ Billion	450.2	447.5	37.5	33.7	190.7	168.6
7	Exports	\$ Billion	314.4	310.5	26.8	21.3	132.5	111.1
8	Trade Balance	\$ Billion	-135.8	-137.0	-10.7	-12.5	-58.2	-57.5
9	Foreign Exchange Reserves	\$ Billion	303.7	341.4	318.6	351.9		

@ IIP is for the month of July 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 (P)	2014-15 (P)	August		April-August	
					2014	2015 ^(P)	2014	2015 ^(P)
1	Crude Oil Production In India	MMT	37.8	37.5	3.0	3.2	15.6	15.6
2	Consumption of Petroleum Products	MMT	158.4	165.0	12.9	13.8	68.3	72.9
3	Production of Petroleum Products	MMT	220.3	220.7	18.2	19.5	89.6	93.8
4	Imports & Exports:							
	Crude Oil Imports	MMT	189.2	189.4	16.0	17.2	78.2	83.9
		\$ Billion	143.0	112.7	11.7	6.0	59.0	33.7
	Petroleum Products (POL) Imports	MMT	16.7	20.4	1.8	2.4	8.6	11.7
		\$ Billion	12.2	11.8	1.2	0.9	5.9	4.9
	Gross Petroleum Imports (Crude + POL)	MMT	205.9	209.8	17.8	19.6	86.8	95.5
		\$ Billion	155.2	124.5	12.8	6.9	64.9	38.6
	Petroleum Products Exports	MMT	67.9	63.9	5.3	5.9	24.7	24.0
		\$ Billion	60.7	47.3	4.5	2.6	22.4	12.8
5	Petroleum Imports as % of India's Gross Imports	%	34.5	27.8	34.1	20.5	34.0	22.9
6	Petroleum Exports as % of India's Gross Exports	%	19.3	15.2	16.8	12.2	16.9	11.5
7	Import Dependency (On Consumption)	%	77.6	78.4	76.8	78.7	78.3	79.7

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	76,059	4,90,619

* Note: April-August 2015 imports are based on actuals and for Sep 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 Sep 15- March 16:

If Crude prices increased by One \$/bbl - Net Import bill increases by Rs. 5,002 crores (\$ 0.78 bn)

If Exchange rate of \$ increases by Rs. 1/\$ - Net Import bill increases by Rs. 4,232 crores (\$ 0.65 bn)

4. Indigenous Crude Oil Production (Million Metric Tonne)						
Details	2013-14	2014-15 (P)	August		April-August	
			2014	2015 (P)	2014	2015 (P)
ONGC	19.2	18.6	1.6	1.6	7.8	7.8
OIL	3.5	3.4	0.3	0.3	1.4	1.4
Private / JVs	12.0	11.7	0.9	1.0	4.9	4.9
Total Crude Oil	34.7	33.8	2.7	2.9	14.1	14.1
Condensate	3.1	3.7	0.3	0.3	1.4	1.6
Total (Crude Oil + Condensate) (MMT)	37.8	37.5	3.0	3.2	15.6	15.6
Total (Crude Oil + Condensate) (Million Barrels)	277.04	274.7	22.2	23.5	114.3	114.6

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

Details	2013-14 (P)	2014-15 (P)	August		April-August	
			2014	2015 ^(P)	2014	2015 ^(P)
1. Indigenous Crude Oil Processing :	33.9	34.3	2.9	2.8	14.2	14.4
a) Products from Indigenous Crude (93.3% of crude oil processed)	31.6	32.0	2.7	2.6	13.3	13.4
b) Products from Fractionators (Including LPG and Gas)	3.8	3.7	0.3	0.3	1.5	1.4
2. Total Production from Indigenous Crude & Condensate (a + b)	35.5	35.6	3.0	2.9	14.8	14.8
3. Total Domestic Consumption	158.4	165.0	12.9	13.8	68.3	72.9
% Self Sufficiency (2 / 3)	22.4%	21.6%	23.2%	21.3%	21.7%	20.3%

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

Year	2013-14	2014-15 (P)	August		April-August	
			2014	2015 ^(P)	2014	2015 ^(P)
Total Domestic (MMTOE)	73.2	71.2	5.7	6.0	29.7	29.3
Overseas production of OVL (MMTOE)	8.4	8.9	0.642	0.745	3.604	3.696
Overseas Production as % of Domestic	11.4%	12.5%	11.2%	12.3%	12.1%	12.6%

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 (June 2015)	32.107	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)	August		April-August	
					2014	2015 (P)	2014	2015 (P)
IOCL	Barauni (1964)	6.0	6.5	5.9	0.5	0.6	2.7	2.6
	Koyali (1965)	13.7	13.0	13.3	1.1	1.2	5.6	5.4
	Haldia (1975)	7.5	8.0	7.7	0.6	0.7	3.2	3.3
	Mathura (1982)	8.0	6.6	8.5	0.7	0.7	3.6	3.6
	Panipat (1998)	15.0	15.1	14.2	1.3	1.1	5.4	6.1
	Guwahati (1962)	1.0	1.0	1.0	0.1	0.08	0.4	0.4
	Digboi (1901)	0.7	0.7	0.6	0.0	0.05	0.3	0.2
	Bongaigaon (1979)	2.4	2.3	2.4	0.2	0.2	0.9	1.1
	IOCL TOTAL	54.2	53.1	53.6	4.6	4.6	22.1	22.9
HPCL	Mumbai (1954)	6.5	7.7	7.4	0.7	0.7	2.8	3.0
	Vizag (1957)	8.3	7.8	8.8	0.8	0.9	3.5	3.5
HMEL	Bhatinda (2012)	9.0	9.3	7.3	0.0	0.9	2.5	4.6
	HPCL-TOTAL	23.8	24.8	23.5	1.5	2.5	8.7	11.0
BPCL	Mumbai (1955)	12.0	12.7	12.8	1.1	1.1	5.1	5.6
	Kochi (1966)	9.5	10.3	10.4	0.9	0.9	4.4	4.6
BORL	Bina (2011)	6.0	5.4	6.2	0.5	0.6	2.3	2.4
	BPCL-TOTAL	27.5	28.4	29.4	2.6	2.7	11.7	12.6

Com- pany	Refinery	Installed Capacity (1.4.2015)	Crude Oil Processing					
			2013-14 (P)	2014-15 (P)	August		April-August	
					2014	2015 ^(P)	2014	2015 ^(P)
CPCL	Manali (1969)	10.5	10.1	10.3	0.8	0.5	4.3	3.9
	CBR (1993)	1.0	0.6	0.5	0.04	0.05	0.2	0.2
	CPCL-TOTAL	11.5	10.7	10.8	0.9	0.6	4.5	4.2
NRL	Numaligarh (2000)	3.0	2.6	2.8	0.3	0.3	1.2	0.9
ONGC	Tatipaka (2001)	0.1	0.1	0.05	0.01	0.003	0.02	0.02
MRPL	Mangalore (1996)	15.0	14.6	14.6	1.2	1.3	5.5	6.4
	ONGC TOTAL	15.1	17.3	14.7	1.2	1.4	5.6	6.4
RIL	Jamnagar (DTA) (1999)	33.0	30.3	30.9	2.7	2.8	12.6	13.1
	Jamnagar (SEZ) (2008)	27.0	37.7	37.2	3.1	3.2	15.7	14.8
EOL	Vadinar (2006)	20.0	20.2	20.5	1.7	1.8	8.5	8.7
	All India	215.1	222.4	223.3	18.5	19.6	90.7	94.6

9. High Sulphur (HS) & Low Sulphur (LS) Crude Oil Processing (MMT)							
	Type of crude	2013-14 (P)	2014-15 (P)	August		April-August	
				2014	2015 ^(P)	2014	2015 ^(P)
1	HS Crude	160.2	161.4	13.3	14.0	64.9	68.1
2	LS Crude	62.2	61.9	5.3	5.6	25.8	26.5
Total Crude		222.5	223.3	18.5	19.6	90.7	94.6
Share of HS Crude of total crude processing		72.0%	72.3%	71.5%	71.7%	71.5%	72.0%

10. Gross Refining Margins (GRM) of Refineries (\$/bbl)					
Company	Refinery	2012-13	2013-14	2014-15	April-June, 2015
IOCL	Barauni	2.40	6.68	-1.20	9.99
	Koyali	4.61	4.52	4.79	9.80
	Haldia	0.85	2.84	-1.51	10.90
	Mathura	0.55	2.10	-2.19	10.71
	Panipat	3.34	3.62	-1.97	10.26
	Guwahati	9.52	6.38	8.68	13.85
	Digboi	20.81	15.41	13.73	19.41
	Bongaigaon	5.26	6.71	-0.26	16.72
	Average	3.16	4.24	0.27	10.77
BPCL	Kochi	5.36	4.80	3.17	9.00
	Mumbai	4.67	3.95	3.97	8.17
	Average	4.97	4.33	3.62	8.55
HPCL	Mumbai	2.08	5.38	4.88	7.48
	Visakhapatnam	2.08	1.50	1.12	9.39
	Average	2.08	3.43	2.84	8.56
CPCL	Chennai	0.99	4.08	1.97	10.09
MRPL	Mangalore	2.45	2.67	-0.64	6.62
NRL	Numaligarh	10.52	12.09	16.67	28.64
BORL	Bina	7.00	7.70	6.10	19.40
RIL	Jamnagar	9.20	8.10	8.60	10.40
Essar	Vadinar	7.96	7.98	8.37	11.05

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

Company	Refinery	2012-13	2013-14	2014-15	April-June, 2015
IOCL	Guwahati	3.43	0.88	0.96	0.52
	Digboi	13.25	8.50	5.42	8.52
	Bongaigaon	0.25	2.34	-6.51	7.19
NRL	Numaligarh	4.86	6.98	9.46	13.53

12. Natural Gas at a Glance

<i>(MMSCM)</i>						
	2013-14	2014-15	August		April-August	
	(P)	(P)	2014	2015 ^(P)	2014	2015 ^(P)
Gross Production	35390.99	33662.91	2736.44	2836.50	14084.80	13702.03
Net Production (Excluding Flare Gas)	34554.74	32694.40	2655.11	2732.40	13709.93	13196.05
LNG Import	17727.99	18535.70	1784.16	1592.84	7948.49	8441.52
Total Consumption (Net Production + Import)	52282.73	51230.10	4439.27	4325.24	21658.42	21637.57
Total Consumption (in BCM)	52.28	51.23	4.43	4.32	21.65	21.63

13. Consumption of Petroleum Products (Million Metric Tonnes)

Products	August 2014		August 2015 ^(P)		April-August 2014		April-August 2015 ^(P)	
	Production	Consumption	Production	Consumption	Production	Consumption	Production	Consumption
LPG	0.8	1.4	0.9	1.5	3.8	7.0	4.2	7.6
MS	2.6	1.6	3.1	1.8	13.0	7.9	14.0	8.8
NAPHTHA	1.4	1.0	1.5	1.1	7.4	4.8	7.2	5.6
ATF	0.9	0.5	1.1	0.5	4.0	2.3	4.4	2.5
SKO	0.7	0.6	0.6	0.6	3.2	3.0	3.1	2.9
HSD	7.8	5.1	8.4	5.4	38.4	29.4	40.4	30.4
LDO	0.03	0.03	0.04	0.03	0.2	0.1	0.2	0.2
LUBES	0.07	0.3	0.09	0.2	0.3	1.2	0.4	1.3
FO/LSHS	1.1	0.6	1.0	0.5	5.3	2.5	4.6	2.6
BITUMEN	0.2	0.2	0.2	0.2	2.0	2.0	2.0	2.1
OTHERS	2.6	1.7	2.6	1.8	12.0	8.0	13.3	9.1
ALL INDIA	18.2	12.9	19.5	13.8	89.6	68.3	93.8	72.9
Growth (%)			7.4%	6.9%			4.7%	6.7%

14. LPG Consumption (Thousand Metric Tonne)

LPG Category	2013-14	2014-15 ^(P)	August			April-August		
			2014	2015 ^(P)	Gr (%)	2014	2015 ^(P)	Gr (%)
LPG-Packed Domestic	14411.6	16040.4	1285.9	1353.5	5.3	6230.8	6682.3	7.2
LPG-Packed Non-Domestic	1073.6	1051.0	80.4	114.8	42.8	385.7	532.1	38.0
LPG-Bulk	245.7	315.7	24.8	30.1	21.4	131.0	130.8	-0.2
Auto LPG	194.3	163.8	13.6	14.1	3.7	66.0	70.9	7.4
Direct Private Imports*	368.5	449.4	31.1	36.2	16.2	171.6	169.0	-1.5
Total	16293.6	18020.3	1435.9	1548.8	7.9	6985.1	7585.0	8.6

Note: April-June 2015 data as per DGCIS. July-August data prorated on the basis of 2014-15 (Apr-Mar) data provided by DGCIS

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	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 (as on 1.4.2015)	Length (KM)	10977	1469	2198	1000	140	24	15808
	Cap (MMSCMD)	206	80	43	6	9.5	6	350.50

		ONGC*	OIL	Cairn	HMEL	IOCL	BPCL	HPCL	Other	Total
Crude Oil (as on 1.4.2015)	Length (KM)	1214	1193	670	1017	4448	937	-	-	9479
	Cap (MMTPA)	60.06	8.4	8.7	9	40.4	6	-	-	132.56
Products (as on 1.4.2015)	Length (KM)	-	654	-	-	6633	1935	2514	2687	14423
	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 31.03.2015

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	100.8
Hazira	Shell	5	Existing	60
Dabhol	RGPPL (GAIL - NTPC JV)	1.25 in phase-1 without break water to be increased to 5.0	Existing	50
Kochi	Petronet LNG Ltd (PLL)	5	Existing	2
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 31.3.2015)	(as on 1.8.2015)
Haryana	Haryana City Gas, Adani Gas Limited, Gail Gas Ltd.	Sonepat, Faridabad, Gurgaon	16	24703
Andhra Pradesh, Telangana	Bhagyanagar Gas Ltd	Kakinada, Hyderabad, Vijaywada, Rajamundry	32	3683
Assam	Assam Gas Co. Ltd	Tinsukia, Dibrugarh, Sibsagar, Jorhat, Golaghat	00	28794
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	349	1421792
Madhya Pradesh	Avantika Gas Ltd, GAIL Gas Ltd	Dewas, Vijaipur, Indore including Ujjain, Gwalior	20	4311
New Delhi	Indraprastha Gas Ltd	National Capital Territory of Delhi (Including Noida & Ghaziabad)	326	586474
Rajasthan	GAIL Gas Ltd	Kota	3	190

State	Entity Operating	Geographical Region	CNG Stations	PNG Connections
			(as on 31.3.2015)	(as on 1.8.2015)
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	844028
Tripura	Tripura Natural Gas Co. Ltd	Agartala	5	19114
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	26959
		Total	1009	29600048

20. Information on Prices, Taxes and Under-recoveries

Sales & profit of Petroleum Sector (Rs. Crores)		
April-June 2015	Turnover	PAT
Upstream Companies	37965	6659
Downstream Companies	204646	10400
Standalone Refineries	22329	1571
Private	99367	7285

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.	28.71	25.67
Central taxes	17.98	10.78
State taxes	12.24	6.58
Dealer comm.	2.27	1.42
Retail Selling Price	61.20	44.45
	PDS SKO*	Sub. Dom LPG
Price before taxes and dealer commission	13.56	514.71
Central taxes	0	0
State taxes	0.44	0
Dealer commission	1.24	44.88
Retail Selling Price	15.24	559.50

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

Change in Ex. Rate/ Crude price : Impact on Under-recoveries		
(Rs. Crores)	Rs.1/\$ Ex. Rate	\$1/bbl Crude
Impact on Under-recovery	930	1240

20. Information on Prices, Taxes and Under-recoveries

Under-recoveries & Burden Sharing			
	2013-14	2014-15	Apr-Jun`15
Per unit under-recovery (Rs./litre/Cylinder)			
Diesel	8.39	2.70	Deregulated
PDS SKO	33.98	27.93	18.03
Sub. Dom LPG	499.52	409.72	194.58*
Total Under-recoveries including DBTL (Rs. Crores)			
Diesel	62,837	10,935	Deregulated
PDS SKO	30,574	24,799	3,888
Sub. Dom LPG#	50,327	40,551	4,857
Total	143,738	76,285	8,745
Burden Sharing (Rs. Crores)			
	2013-14	2014-15	Apr-Jun`15
Government	70,772	27,308	7442**
Upstream	67,021	42,822	1300
OMCs	2,076	2,184	3
Fiscal Subsidy under Govt. Schemes (Rs. Crores)			
PDS SKO	681	Scheme was extended till	
Sub. Dom LPG	1,920	31.3.2015	
* Avg. of DBTL and U/R towards non-DBTL # Includes subsidy under DBTL (2013-14: Rs.3869 crore; 2014-15: Rs. 3971 crore ; Apr-Jun`15: Rs. 4854 crore) ** Govt. compensation pending disbursement. (includes Rs. 4854 crore DBTL subsidy)			

International Prices/ Exchange rates (\$/bbl)			
	2013-14	2014-15	Apr-Jun`15
Crude (Indian Basket)	105.52	84.16	61.49
Petrol	114.31	95.45	78.36
Diesel	119.41	96.64	72.08
Kerosene	118.80	96.98	71.97
LPG (\$/MT)	880.49	683.87	454.52
FO (\$/MT)	595.79	471.99	346.81
Naphtha (\$/MT)	881.30	717.44	524.84
Exchange (Rs./\$)	60.50	61.15	63.50
Borrowings of OMCs (Rs. Crores)			
	2013-14	2014-15	Apr-Jun`15
IOCL	86,263	55,248	52520
BPCL	20,322	13,098	16540
HPCL	32,164	20,335	18417
Petroleum Sector Contribution to Central/State Govt.			
	2012-13	2013-14	2014-15
Central Government	142,626	152,900	172066
State Governments	136,034	152,460	160554
Total (Rs. Crores)	278,660	305,360	332620
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